UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS
MONTHLY LISTING

JULY - SEPTEMBER 1994

NATIONAL EARTHQUAKE INFORMATION CENTER

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1994

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MONTHLY LISTING

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

JULY 1994

K DAY E Y	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT LONG	DEPTH	MAGNITUDES GS MB Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00 37 14.7?	34.73 S 70.86 W	5 G		0.4	8	CHILE-ARGENTINA BORDER REGION
01	01 31 56.9%	40.704 N 29.894 E	5 G		0.2	5	TURKEY. ML 2.6 (ISK).
01	01 56 25.2%	62.995 N 150.854 W	125			68	CENTRAL ALASKA. <AEIC>.
a 01	01 57 57.1	7.960 S 109.137 E	101	4.9	1.2	60	JAWA, INDONESIA. Mw 5.1 (HRV). Felt along the southern coast of central Jawa.
01	02 54 26.0%	33.454 S 70.431 W	100 G		0.4	8	CHILE-ARGENTINA BORDER REGION
01	03 34 40.4%	40.143 N 20.002 E	10 G		0.4	6	GREECE-ALBANIA BORDER REGION. MD 2.5 (TIR).
01	04 07 11.3	49.182 N 6.901 E	10 G		1.2	20	GERMANY. ML 2.8 (STR), 2.3 (UCC).
01	04 07 46.2%	39.077 N 28.163 E	10 G		0.4	5	TURKEY. ML 2.8 (ISK).
01	04 32 28.3	39.238 N 29.237 E	10 G		0.7	15	TURKEY. MD 3.8 (ATH). ML 3.5 (ISK).
01	04 46 27.5%	39.212 N 29.168 E	10 G		0.4	11	TURKEY. ML 3.1 (ISK).
01	05 14 49.1	42.293 N 143.015 E	63	5.0	1.0	186	HOKKAIDO, JAPAN REGION. Felt (IV JMA) at Urakawa.
01	05 25 58.0%	35.199 N 3.936 W	10 G		1.3	10	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
01	07 27 49.0?	39.51 N 29.58 E	10 G		0.7	5	TURKEY. ML 2.6 (ISK).
01	07 54 13.9%	39.016 N 26.133 E	5 G		0.8	5	TURKEY. ML 3.4 (ISK).
01	08 27 11.4%	39.946 N 29.430 E	10 G		0.3	5	TURKEY. ML 2.6 (ISK).
01	08 54 41.0?	40.62 N 23.03 E	5 G		0.5	4	GREECE. ML 1.3 (THE).
01	09 37 33.8%	41.161 N 23.618 E	10 G		0.9	5	GREECE-BULGARIA BORDER REGION. ML 2.0 (THE).
01	09 42 15.3%	41.157 N 23.602 E	10 G		0.9	5	GREECE-BULGARIA BORDER REGION. ML 2.1 (THE).
01	09 50 45.9%	40.269 N 24.221 E	10 G		0.6	5	AEGEAN SEA. ML 2.1 (THE).
a 01	10 12 41.2	40.232 N 53.383 E	41 G	6.0 5.2	1.0	516	TURKMENISTAN. Mw 5.6 (GS), 5.6 (HRV). Ms 5.3 (BRK). Felt (V) at Krasnovodsk and Nebitdag. Depth from broadband displacement seismograms.
01	12 02 43.8%	39.354 N 29.112 E	10 G		0.2	13	TURKEY. ML 3.1 (ISK).
01	12 54 26.8?	42.06 N 24.06 E	10 G		1.1	5	BULGARIA. ML 3.0 (THE).
01	12 55 55.2?	39.14 N 27.57 E	10 G		0.8	4	TURKEY. ML 2.9 (ISK).
01	13 05 55.3	27.645 N 56.514 E	44 *	5.0 4.2	1.0	148	SOUTHERN IRAN. Felt in the Bandar-e Abbas area.
01	14 25 20.3%	39.219 N 29.170 E	10 G		0.2	7	TURKEY. ML 2.8 (ISK).
01	15 33 03.7	35.399 N 27.123 E	48 *	3.9	1.0	20	DODECANESE ISLANDS. MD 3.9 (ATH).
01	16 13 53.1*	5.024 N 125.615 E	10 G	4.7	1.2	6	MINDANAO, PHILIPPINE ISLANDS
01	16 36 29.9	15.684 N 94.489 W	92 *	4.1	1.5	27	NEAR COAST OF OAXACA, MEXICO. MD 4.7 (GCG).
01	17 57 51.5	36.663 N 116.317 W	5 G		0.6	19	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (GS). Felt (III) at Amargosa valley, Nevada.
a 01	19 50 04.3	40.219 N 53.391 E	44 D	5.6	1.0	403	TURKMENISTAN. Mw 5.2 (GS), 5.2 (HRV).
01	20 02 31.8	38.267 N 38.824 E	10 G	4.7	1.1	101	TURKEY. ML 4.9 (BHL), 4.7 (ISK).
01	20 08 48.0	35.210 N 4.095 W	9		1.1	18	STRAIT OF GIBRALTAR. mbLg 3.5 (MDD). MD 3.6 (RBA).
01	20 23 45.8?	32.49 S 72.04 W	10 G		0.5	10	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
01	21 21 56.9%	33.104 S 71.407 W	50 G		0.6	12	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
01	22 35 03.5*	67.639 N 21.391 E	10 G		1.3	5	SWEDEN. MD 2.7 (BER).
01	22 43 17.8	42.134 N 142.923 E	65	5.0	0.9	119	HOKKAIDO, JAPAN REGION. Felt (IV JMA) at Urakawa; (II JMA) at Hiroo and Obihiro. Also felt in northern Honshu.
01	23 46 52.7?	34.47 S 70.74 W	10 G		0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
02	00 27 14.3	49.181 N 6.909 E	10 G		1.0	16	GERMANY. ML 2.7 (STR), 2.4 (UCC).
02	02 18 27.8*	31.451 S 68.862 W	85 ?		1.2	13	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).
a 02	02 38 22.6	3.243 S 135.878 E	34 D	5.1 5.0	1.0	72	IRIAN JAYA REGION, INDONESIA. Mw 5.6 (HRV). Ms 5.1 (BRK).
02	03 33 06.2?	34.38 S 71.54 W	50 G		0.1	8	NEAR COAST OF CENTRAL CHILE
02	03 47 36.6%	39.212 N 29.155 E	5 G		0.4	5	TURKEY. ML 2.7 (ISK).
02	04 13 04.7%	39.224 N 29.174 E	10 G		0.5	5	TURKEY. ML 2.8 (ISK).
a 02	05 08 08.0	10.555 S 163.063 E	28 D	5.4 5.0	0.9	156	SOLOMON ISLANDS. Mw 5.6 (HRV). Ms 4.9 (BRK).
a 02	05 46 54.1	21.071 S 178.695 W	567 D	5.3	0.9	228	FIJI ISLANDS REGION. Mw 5.6 (HRV).
02	05 57 55.1	32.890 S 71.033 W	60 G		0.3	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
02	06 10 31.3%	33.211 S 70.939 W	70 G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
a 02	06 43 15.8	21.115 S 178.729 W	577 D	5.1	0.9	184	FIJI ISLANDS REGION. Mw 5.5 (HRV).
02	08 33 57.5	47.144 N 10.296 E	10 G		0.1	5	AUSTRIA. ML 2.4 (VIE).
a 02	09 14 43.0	5.763 S 131.103 E	88	5.9	1.0	317	BANDA SEA. Mw 5.8 (GS), 5.8 (HRV).
02	10 13 14.1	39.240 N 29.224 E	10 G		0.8	13	TURKEY. ML 3.1 (ISK).

02	10	18	09.5*	1.679	S	78.126	W	128	D	4.2	1.0	15	ECUADOR
02	10	21	54.8?	32.57	S	70.05	W	120	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
02	11	11	35.3%	33.881	S	70.521	W	100	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
02	11	48	27.9*	67.605	N	15.258	E	10	G		1.2	9	NORTHERN NORWAY. MD 3.3 (BER).
02	12	07	17.0?	29.99	S	178.46	W	359	?	4.4	0.5	7	KERMADEC ISLANDS, NEW ZEALAND
a 02	12	08	47.2	28.369	N	129.548	E	47	D	5.1 4.5	1.1	131	RYUKYU ISLANDS. Mw 5.3 (HRV). Felt (IV JMA) at Naze, Amami O-shima.
02	13	06	30.5*	32.121	S	71.151	W	50	G		0.4	11	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
02	13	43	26.8%	40.243	N	124.468	W	4				43	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.6 (BRK), 3.8 (GS). Felt (V) at Honeydew.
02	13	48	23.1%	40.455	N	29.238	E	10	G		0.6	6	TURKEY. ML 2.7 (ISK).
02	16	17	31.6%	33.893	S	71.302	W	50	G		0.2	7	NEAR COAST OF CENTRAL CHILE
02	16	23	54.0*	5.339	S	144.111	E	33	N	3.9	0.4	5	NEW GUINEA, PAPUA NEW GUINEA
02	17	42	27.4	40.812	N	27.783	E	10	G		0.6	9	TURKEY. ML 3.0 (ISK).
02	17	42	47.6	43.149	N	0.265	E	10	G		1.1	43	FRANCE. ML 3.6 (LDG). mbLg 3.7 (MDD). Felt (III) in the Campan area. Also felt at Bagneres-de-Bigorre.
02	18	10	59.5	3.653	S	140.022	E	51	*	4.8 4.5	1.3	45	IRIAN JAYA, INDONESIA
02	18	19	52.5%	34.118	S	70.749	W	80	G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
02	19	03	35.4%	37.957	N	122.375	W	4				10	CENTRAL CALIFORNIA. <BRK>. ML 2.0 (BRK). Felt.
02	19	33	57.8?	10.10	S	112.75	E	33	N	4.2	1.1	7	SOUTH OF JAWA, INDONESIA
02	20	09	17.4%	18.547	N	120.568	E	33	N		1.3	7	LUZON, PHILIPPINE ISLANDS
02	20	34	11.9*	32.537	N	76.113	E	33	N	3.9	1.4	20	KASHMIR-INDIA BORDER REGION
02	20	45	32.0	36.714	N	68.707	E	33	N	4.8	1.2	91	HINDU KUSH REGION, AFGHANISTAN
02	20	53	41.9*	13.651	N	59.911	W	10	G		0.5	13	WINDWARD ISLANDS. MD 3.2 (TRN).
02	21	07	26.4	36.743	N	68.650	E	57	D	4.7	0.9	56	HINDU KUSH REGION, AFGHANISTAN
02	22	05	41.9	36.593	N	68.867	E	33	N	4.4	0.6	14	HINDU KUSH REGION, AFGHANISTAN
02	22	16	33.3*	36.505	N	68.660	E	33	N	4.2	0.7	10	HINDU KUSH REGION, AFGHANISTAN
02	22	19	35.2	19.176	N	120.981	E	21		4.3	1.2	21	PHILIPPINE ISLANDS REGION
02	22	47	15.1	44.168	N	6.911	E	5	G		0.4	24	FRANCE. ML 2.5 (LDG), 2.3 (GEN).
02	23	22	57.6?	12.12	S	114.10	E	10	G	4.2	0.8	6	NORTHWEST OF AUSTRALIA
03	00	36	09.7*	40.729	N	30.356	E	5	G		0.4	7	TURKEY. ML 2.8 (ISK).
03	00	51	10.4*	36.551	N	10.225	W	10	G		0.6	14	NORTH ATLANTIC OCEAN. mbLg 2.7 (MDD).
03	00	54	17.3%	34.241	N	118.470	W	13				8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
03	00	58	49.3	38.803	N	122.730	W	5	G		0.8	36	NORTHERN CALIFORNIA. ML 3.0 (GS). MD 3.1 (GM).
03	01	06	48.8%	40.734	N	30.350	E	5	G		0.7	7	TURKEY. ML 3.0 (ISK).
03	01	08	24.9?	40.75	N	30.48	E	5	G		0.7	5	TURKEY. ML 2.7 (ISK).
03	01	08	56.1%	33.949	S	70.272	W	120	G		0.1	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
03	01	20	06.3%	40.736	N	30.160	E	10	G		0.6	7	TURKEY. ML 2.8 (ISK).
03	01	22	25.4%	39.215	N	29.173	E	10	G		0.6	10	TURKEY. ML 3.1 (ISK).
03	02	13	48.0%	34.290	N	118.457	W	9				57	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.3 (GS).
03	02	49	54.7*	19.472	S	175.595	W	220	G	4.9	0.9	27	TONGA ISLANDS
03	03	01	06.3*	11.255	S	113.519	E	33	N		1.2	5	SOUTH OF JAWA, INDONESIA
03	05	05	16.7%	34.336	N	116.466	W	5				31	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 3.2 (GS).
03	05	44	24.9%	61.497	N	149.881	W	31				85	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.0 (PMR). Felt (III) at Eagle River.
03	05	51	01.0?	38.88	N	26.64	E	10	G		0.8	4	AEGEAN SEA. ML 3.2 (ISK).
03	05	53	38.9%	35.444	N	3.829	W	10	G		0.9	5	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
03	06	06	27.0%	60.401	N	143.610	W	0				36	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC).
03	07	31	17.6	35.958	N	119.890	W	10	G		1.0	14	CENTRAL CALIFORNIA. ML 2.8 (GS), 2.8 (PAS). MD 2.7 (GM).
03	07	35	59.3*	27.266	N	126.771	E	105	*	4.7	0.8	25	NORTHWEST OF RYUKYU ISLANDS
03	07	51	12.9?	33.98	S	71.82	W	33	N		0.5	7	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
03	08	27	53.5%	40.705	N	23.099	E	10	G		0.4	6	GREECE
03	08	35	19.9*	31.852	S	71.773	W	10	G		0.4	13	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
03	08	36	45.1?	6.35	S	147.04	E	104	*	4.1	0.6	7	EASTERN NEW GUINEA REG., P.N.G.
03	08	39	52.0*	23.956	N	126.951	E	33	N	4.0	1.4	12	SOUTHEAST OF RYUKYU ISLANDS
03	09	16	49.3	40.451	N	21.859	E	10	G		0.6	8	GREECE. ML 2.3 (THE).
03	09	28	26.7%	40.754	N	29.904	E	10	G		0.7	5	TURKEY. ML 2.6 (ISK).
03	09	44	32.3*	7.539	S	128.564	E	146	*	4.7	1.1	13	BANDA SEA
03	10	34	11.2*	41.893	N	0.638	E	10	G		0.9	6	SPAIN. ML 2.3 (LDG). mbLg 2.6 (MDD).
03	12	18	19.8*	36.062	N	28.183	E	33	N		0.7	10	DODECANESE ISLANDS
03	12	25	35.5	40.914	N	20.905	E	10	G		0.5	18	GREECE-ALBANIA BORDER REGION. ML 3.1 (TTG), 2.8 (THE).
03	13	00	41.9?	15.33	N	60.67	W	10	G		0.9	6	LEEWARD ISLANDS. MG 2.2 (FDF).
03	13	18	53.6?	40.22	N	29.08	E	10	G		0.1	4	TURKEY. ML 2.7 (ISK).
03	14	23	16.4	38.821	N	122.781	W	5	G		0.8	29	NORTHERN CALIFORNIA. ML 2.8 (GS).
03	14	26	41.3	28.742	N	34.573	E	15		4.3	1.2	40	EGYPT. ML 4.5 (JER), 4.4 (BHL). MD 4.5 (RYD), 4.4 (HLW).
03	14	43	00.3	9.464	S	124.343	E	75	*	5.0	1.3	17	TIMOR REGION, INDONESIA
03	15	16	43.9?	41.90	N	23.20	E	10	G		0.4	6	GREECE-BULGARIA BORDER REGION. ML 2.6 (THE).
03	15	40	42.4	6.838	N	73.091	W	150		4.5	1.1	59	NORTHERN COLOMBIA
03	15	44	42.1	48.492	N	9.596	E	24			0.9	23	GERMANY. ML 3.1 (VIE), 3.1 (LDG), 2.8 (FUR).
03	16	14	24.8?	16.77	N	147.73	E	10	G	4.3	0.4	5	MARIANA ISLANDS REGION
03	16	17	24.5	44.935	N	110.316	W	5	G		0.8	9	YELLOWSTONE REGION, WYOMING. ML 3.0 (GS), 3.3 (BUT).
03	16	39	33.2	36.632	N	27.079	E	155		3.9	0.8	41	DODECANESE ISLANDS
03	17	15	35.1%	33.691	S	70.682	W	31			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
03	18	26	35.8	42.695	N	111.106	W	5	G		0.7	12	EASTERN IDAHO. ML 2.7 (GS).
03	18	26	37.8%	33.758	S	71.568	W	10	G		0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
03	21	05	38.1%	62.804	N	149.666	W	79				12	CENTRAL ALASKA. <AEIC>.
03	21	13	13.8*	45.119	N	7.239	E	5	G		1.2	10	NORTHERN ITALY. ML 2.4 (LDG).
03	21	37	54.1*	50.513	N	177.911	W	33	N	3.9	0.8	8	ANDREANOF ISLANDS, ALEUTIAN IS.
a 03	21	44	44.6	48.219	S	31.542	E	10	G	5.2 4.8	1.0	53	SOUTH OF AFRICA. Mw 5.4 (HRV).
03	21	48	16.0	52.350	N	169.372	W	33	N	4.2	0.9	21	FOX ISLANDS, ALEUTIAN ISLANDS
03	21	50	25.8%	43.089	N	18.886	E	10	G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
03	22	07	17.8*	13.766	N	145.019	E	122		4.5	1.3	24	MARIANA ISLANDS. Felt (IV) at Chalan Pago, Nimitz Hill, Santa Rita, Tumon and Umatac; (III) at Agana, Inarajan and Merizo; (II) at Potts Junction, Guam.
03	22	21	15.7*	13.285	S	167.340	E	278	*	4.7	0.9	77	VANUATU ISLANDS
03	22	31	49.5%	33.711	S	70.640	W	33	N		0.3	9	CHILE-ARGENTINA BORDER REGION
03	22	47	49.7	45.661	N	14.154	E	10	G		1.0	11	NORTHWESTERN BALKAN REGION. MD 2.6 (LJU), 2.5 (TRI). ML 2.4 (VIE). Felt (IV) in the Narin area, Slovenia.
03	22	58	20.0%	46.652	N	0.873	W	10	G		0.7	12	FRANCE. ML 2.9 (LDG).
03	23	42	38.4	37.905	N	118.206	W	5	G		0.8	41	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (GS), 3.6 (BRK). MD 3.5 (GM). Felt (III) at Dyer, Nevada.

04	00	17	44.2*	27.419	N	129.664	E	33	N	4.5	1.5	17	RYUKYU ISLANDS
04	01	06	09.0*	28.652	N	34.980	E	10	G	3.6	1.3	5	EGYPT. MD 4.2 (RYD), 4.2 (HLW). ML 4.1 (BHL).
04	01	19	06.6	36.216	N	117.867	W	5	G		1.0	10	CALIFORNIA-NEVADA BORDER REGION. ML 2.8 (GS).
04	01	19	56.0*	59.855	N	153.540	W	139				48	SOUTHERN ALASKA. <AEIC>.
04	01	24	06.1*	39.394	N	27.953	E	5	G		0.3	5	TURKEY. ML 2.9 (ISK).
04	01	28	59.2*	38.361	N	2.249	W	5	G		0.9	13	SPAIN. mbLg 2.9 (MDD).
04	01	42	15.2*	39.926	N	30.188	E	10	G		0.2	8	TURKEY. ML 2.9 (ISK).
04	02	56	03.8*	33.695	S	70.666	W	33	N		0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
04	03	09	55.8*	32.89	N	142.30	E	33	N	5.0	0.6	11	SOUTH OF HONSHU, JAPAN
04	03	27	36.6*	38.772	N	0.901	W	10	G		1.4	13	SPAIN. mbLg 3.0 (MDD). Felt (III) in the Caudete area.
04	03	41	42.6*	21.251	S	174.497	W	33	N	4.4	1.0	16	TONGA ISLANDS
04	03	57	38.0*	6.23	N	129.94	E	33	N		1.0	14	EAST OF PHILIPPINE ISLANDS
04	04	05	31.3	7.864	S	76.247	W	115	*	4.5	0.6	30	NORTHERN PERU
04	04	09	03.8*	4.923	N	94.425	E	33	N	4.7	0.5	19	OFF W COAST OF NORTHERN SUMATERA
04	05	20	48.0*	62.125	N	152.040	W	112				71	CENTRAL ALASKA. <AEIC>.
04	05	47	51.8*	31.694	S	70.040	W	131	?		0.9	14	CHILE-ARGENTINA BORDER REGION. MD 4.2 (SAN).
04	06	00	11.7*	39.281	N	29.168	E	5	G		0.5	5	TURKEY. ML 2.8 (ISK).
04	06	01	24.7*	39.195	N	29.154	E	5	G		0.1	5	TURKEY. ML 2.8 (ISK).
04	06	18	20.4*	40.081	N	28.832	E	10	G		0.4	5	TURKEY. ML 2.8 (ISK).
04	06	29	37.4*	36.598	N	68.466	E	33	N	4.4	1.0	14	HINDU KUSH REGION, AFGHANISTAN
04	07	02	15.0*	31.655	N	113.480	W	10	G	4.0	1.1	10	GULF OF CALIFORNIA. ML 3.5 (GS).
04	07	26	20.6*	39.09	N	27.58	E	10	G		0.4	4	TURKEY. ML 2.8 (ISK).
04	07	28	27.8*	34.676	N	97.557	W	5	G		0.7	-6	OKLAHOMA. mbLg 2.8 (GS).
04	07	30	46.2*	38.420	N	22.007	E	5	G		1.2	6	GREECE. ML 2.5 (THE). MD 3.0 (ATH).
04	07	39	26.5*	61.741	N	149.569	W	36				66	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PMR).
04	07	44	54.5	46.260	N	14.541	E	10	G		0.5	6	NORTHWESTERN BALKAN REGION. ML 2.3 (VIE). MD 2.8 (LJU).
04	07	47	06.3*	61.868	N	149.741	W	56				59	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 2.9 (PMR).
04	08	22	14.1*	39.10	N	27.64	E	10	G		0.1	4	TURKEY. ML 2.8 (ISK).
04	10	07	07.4*	33.696	S	70.700	W	33	N		0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
04	10	30	53.9*	37.673	N	21.280	E	5	G		1.4	5	SOUTHERN GREECE. ML 3.0 (THE). MD 3.3 (ATH).
04	11	38	07.9*	39.24	N	27.76	E	10	G		0.4	4	TURKEY. ML 2.8 (ISK).
04	11	53	59.2*	35.575	N	121.473	W	5				64	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK), 3.2 (GS). MD 3.3 (GM).
04	11	54	58.3	30.904	N	86.429	E	33	N	3.9	0.9	16	XIZANG
04	12	48	55.0*	36.302	N	30.345	E	10	G		0.4	6	TURKEY. ML 3.3 (ISK).
04	12	56	48.1*	37.413	N	3.602	W	33	N		0.5	7	SPAIN. mbLg 2.3 (MDD).
04	13	38	43.2	37.795	N	6.806	W	10	G		1.1	37	SPAIN. mbLg 4.3 (MDD). Felt (V) in the Valverde del Camino area.
04	13	42	40.7*	33.01	S	70.13	W	33	N		1.1	8	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
04	14	07	17.7*	33.688	S	70.661	W	33	N		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
a 04	14	55	57.0	7.656	N	82.289	W	26	D	5.1 4.5	1.1	141	SOUTH OF PANAMA. Mw 5.5 (HRV). Ms 4.5 (BRK). MD 4.9 (UPA).
04	16	47	11.7*	39.320	N	29.460	E	10	G		0.8	5	TURKEY. ML 2.8 (ISK).
04	17	04	49.7*	39.835	N	29.370	E	5	G		0.5	6	TURKEY. ML 2.7 (ISK).
04	18	09	33.6*	2.570	S	140.376	E	33	N	4.9	0.8	8	NEAR NORTH COAST OF IRIAN JAYA. Felt at Jayapura.
04	19	14	26.6*	21.588	S	170.114	E	140	*	5.0	1.0	36	LOYALTY ISLANDS REGION
04	19	27	54.9*	17.75	N	66.22	W	33	N		0.3	5	PUERTO RICO REGION
04	20	46	10.2*	6.265	S	155.707	E	119	*	4.8	1.2	16	SOLOMON ISLANDS
04	21	27	52.8	5.569	S	154.332	E	166		5.1	0.7	31	SOLOMON ISLANDS
a 04	21	36	41.9	14.888	N	97.322	W	15	G	6.1 6.1	1.0	442	OFF COAST OF OAXACA, MEXICO. Mw 6.0 (GS), 6.5 (HRV). Mo=1.5*10**19 Nm (PPT). Two people were killed in the city of Oaxaca by a stone wall that fell during the earthquake and several people were injured. Felt in the states of Guerrero, Oaxaca, Puebla and Veracruz. Also felt at Mexico City. Depth from broadband displacement seismograms.
04	23	34	23.7	18.958	N	66.850	W	33	N		1.0	15	PUERTO RICO REGION. MD 3.9 (MPR).
05	00	24	04.7	47.927	N	152.850	E	130	D	4.9	0.8	152	KURIL ISLANDS
05	00	38	03.7*	38.79	N	23.22	E	10	G		0.7	6	GREECE. ML 2.4 (THE).
05	00	44	24.3*	50.02	N	18.77	E	10	G		0.2	4	POLAND
05	01	06	33.0*	40.722	N	29.921	E	10	G		0.3	5	TURKEY. ML 2.8 (ISK).
05	01	17	11.1*	41.69	N	23.79	E	10	G		0.1	4	GREECE-BULGARIA BORDER REGION. ML 2.0 (THE).
a 05	02	59	42.4	16.301	S	177.472	W	414	D	5.4	0.9	379	FIJI ISLANDS REGION. Mw 5.9 (HRV). mb 5.8 (BRK).
05	03	02	38.8	19.187	N	66.978	W	10	G		0.7	14	PUERTO RICO REGION. MD 3.8 (MPR).
05	06	02	14.7*	48.841	N	129.178	W	10	G	2.9		15	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.3 (PGC).
05	07	33	12.0*	39.35	N	23.74	E	10	G		0.5	4	AEGEAN SEA
05	07	34	30.7	37.598	N	23.572	E	29		3.6	0.8	21	SOUTHERN GREECE. MD 3.7 (ATH).
05	08	47	54.7*	39.74	N	29.43	E	5	G		0.5	5	TURKEY. ML 2.7 (ISK).
05	08	51	32.1*	32.111	S	71.177	W	33	N		0.3	11	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
05	09	09	42.8*	23.387	N	121.623	E	33	N	4.1	1.2	11	TAIWAN
05	09	12	12.6	7.424	N	82.455	W	10	G	4.6	1.2	15	SOUTH OF PANAMA
05	09	18	48.4*	37.181	N	0.907	E	33	N		0.9	9	WESTERN MEDITERRANEAN SEA. mbLg 3.1 (MDD).
05	10	01	00.1	28.693	N	34.607	E	10	G	4.0	1.0	23	EGYPT. ML 4.5 (JER), 4.2 (BHL). MD 4.4 (RYD), 4.2 (HLW).
a 05	10	09	22.6	10.432	N	125.322	E	29	D	5.5 5.5	1.3	151	LEYTE, PHILIPPINE ISLANDS. Mw 5.9 (HRV). Ms 5.4 (BRK). Mo=1.3*10**18 Nm (PPT). Felt (III RF) at Palo.
05	10	20	16.5	44.137	N	12.211	E	8			1.3	50	NORTHERN ITALY. ML 3.6 (VIE), 3.5 (LDG), 3.4 (STR).
05	10	26	04.1*	40.19	N	23.89	E	5	G		0.5	4	GREECE. ML 2.2 (THE).
05	10	36	44.9	7.479	N	71.986	W	49		4.6 4.8	1.1	36	VENEZUELA
05	10	48	31.5*	34.34	S	69.92	W	5	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
05	10	55	12.8*	39.230	N	27.724	E	10	G		0.6	5	TURKEY. ML 2.8 (ISK).
05	10	59	28.1*	43.055	N	17.993	E	10	G		0.3	10	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
05	11	18	19.9*	34.15	S	70.16	W	10	G		0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
05	11	59	12.2	23.406	N	100.369	E	33	N	4.9	1.1	13	YUNNAN, CHINA
05	13	06	57.6*	17.58	S	177.99	W	146	?	4.5	1.1	27	FIJI ISLANDS REGION
05	13	18	16.0*	40.166	N	29.342	E	10	G		0.5	8	TURKEY. ML 2.8 (ISK).
a 05	13	31	17.2*	12.154	S	65.670	E	10	G	5.0 4.7	1.0	48	MID-INDIAN RIDGE. Mw 5.5 (HRV).
05	14	27	20.8*	9.986	S	112.716	E	33	N	4.4	0.3	6	SOUTH OF JAWA, INDONESIA
05	14	37	17.0*	34.22	S	70.05	W	5	G		0.5	6	CHILE-ARGENTINA BORDER REGION
05	15	38	14.4	41.168	N	21.986	E	10	G		0.1	6	NORTHWESTERN BALKAN REGION. ML 2.1 (THE), 1.9 (SKO).
05	15	38	25.9	46.038	N	151.612	E	33	N	4.9	0.7	40	KURIL ISLANDS
05	15	41	18.7*	34.44	S	69.93	W	5	G		0.7	6	CHILE-ARGENTINA BORDER REGION
05	16	27	32.2	42.797	N	143.835	E	104	D	4.8	0.8	93	HOKKAIDO, JAPAN REGION

05	16	29	02.3	40.120	N	21.617	E	10	G	0.5	6	GREECE. ML 2.2 (THE).	
05	17	22	39.5%	34.232	S	70.044	W	5	G	0.6	9	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).	
05	17	52	27.9%	34.251	S	70.057	W	5	G	0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).	
05	17	58	43.1%	36.520	N	121.142	W	9			62	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK), 3.1 (GS). MD 3.3 (GM).	
05	18	33	53.4*	30.973	S	68.386	W	210	G	0.5	12	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).	
05	18	41	22.2%	34.157	S	70.199	W	10	G	0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).	
05	18	53	49.3%	59.733	N	153.726	W	127			78	SOUTHERN ALASKA. <AEIC>.	
05	19	10	30.17	34.25	S	69.99	W	5	G	0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).	
05	19	31	24.6?	34.31	S	69.97	W	5	G	0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).	
05	19	37	50.9%	69.872	N	142.118	W	29	3.8		30	NORTHERN ALASKA. <AEIC>. ML 4.2 (AEIC), 4.0 (PMR), 4.0 (PGC).	
05	19	59	11.4%	34.250	S	70.046	W	5	G	0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).	
05	20	01	40.0%	34.221	S	70.071	W	5	G	0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).	
05	20	12	37.5%	31.819	N	116.108	W	11			23	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.2 (ECX).	
05	20	33	21.4%	34.209	S	70.100	W	5	G	0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).	
05	20	40	40.2%	34.201	S	70.127	W	10	G	0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).	
05	20	51	24.6	34.184	S	70.120	W	5	G	0.5	12	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).	
05	21	05	05.6%	34.255	S	70.002	W	5	G	0.4	8	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).	
05	21	09	14.3%	34.239	S	70.051	W	5	G	0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).	
05	21	29	14.9%	62.308	N	151.155	W	85			68	CENTRAL ALASKA. <AEIC>.	
05	21	38	43.5?	34.56	S	70.39	W	5	G	0.3	7	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).	
05	22	17	48.9%	34.258	S	70.040	W	10	G	0.9	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).	
05	22	24	19.9%	34.213	S	70.136	W	5	G	0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).	
05	22	26	10.9%	63.003	N	150.492	W	104	3.5		86	CENTRAL ALASKA. <AEIC>.	
05	22	26	47.3%	34.273	S	70.041	W	5	G	0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).	
05	22	44	36.3	34.120	S	70.216	W	10	G	0.4	11	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).	
05	22	47	38.2%	34.241	S	70.082	W	5	G	0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).	
05	22	54	08.3?	34.32	S	70.01	W	10	G	0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).	
05	22	57	35.5?	34.24	S	70.10	W	10	G	0.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).	
05	23	11	43.7?	38.75	N	26.78	E	10	G	0.5	5	AEGEAN SEA. ML 3.1 (ISK).	
05	23	15	03.4	34.131	S	70.219	W	10	G	0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).	
05	23	16	23.1*	38.839	N	26.570	E	10	G	0.5	7	AEGEAN SEA. ML 3.3 (ISK). MD 3.4 (ATH).	
05	23	17	11.1%	34.163	S	70.160	W	10	G	0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).	
05	23	50	07.0?	34.21	S	178.57	W	33	N	4.6	1.1	14	SOUTH OF KERMADEC ISLANDS
05	23	58	32.6?	34.28	S	70.02	W	10	G	0.6	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).	
06	00	22	05.7?	34.50	S	72.23	W	10	G	0.5	10	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).	
06	00	36	28.7?	34.21	S	70.10	W	5	G	0.6	7		

07	00	19	25.4	19.300 S	169.806 E	33 N	5.2	4.7	1.1	66	France.
07	02	23	23.5*	39.296 N	29.169 E	10 G			0.5	5	VANUATU ISLANDS. Ms 4.7 (BRK).
07	03	19	22.3*	44.246 N	8.232 E	10 G			0.4	5	TURKEY. ML 2.8 (ISK).
07	03	36	15.5*	34.32 S	69.88 W	5 G			0.4	6	NORTHERN ITALY. ML 1.8 (GEN).
07	03	58	48.7*	19.09 S	168.95 E	33 N	4.8		0.8	8	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
07	05	34	48.6*	59.839 N	153.502 W	139				10	VANUATU ISLANDS
07	05	52	16.3*	58.553 N	155.302 W	131				45	SOUTHERN ALASKA. <AEIC>.
07	06	18	19.4*	34.22 S	70.08 W	10 G			0.1	74	ALASKA PENINSULA. <AEIC>.
07	06	56	39.3*	59.518 N	153.444 W	113	3.7			8	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
07	07	09	03.5*	32.49 S	71.99 W	33 N			0.7	93	SOUTHERN ALASKA. <AEIC>.
07	07	32	20.9*	18.052 N	100.690 W	33 N			0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
07	07	50	23.5*	39.835 N	29.345 E	10 G			0.4	6	GUERRERO, MEXICO
07	08	32	45.2*	39.284 N	29.209 E	10 G			0.5	5	TURKEY. ML 2.7 (ISK).
07	08	36	28.9*	9.844 S	120.648 E	33 N	4.1		1.4	12	TURKEY. ML 3.4 (ISK).
07	09	12	53.7*	39.06 N	27.68 E	10 G			0.2	6	SUMBA REGION, INDONESIA
07	10	01	43.6*	39.687 N	29.525 E	10 G			0.3	4	TURKEY. ML 2.7 (ISK).
07	13	06	47.0*	17.102 N	101.342 W	33 N			0.5	4	TURKEY. ML 2.7 (ISK).
07	13	15	36.6*	39.06 N	27.69 E	10 G			0.6	8	NEAR COAST OF GUERRERO, MEXICO
07	13	21	51.0*	34.951 N	116.926 W	0				4	TURKEY. ML 2.8 (ISK).
07	14	00	21.2*	31.737 S	68.088 W	5 G			1.3	22	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
07	15	19	21.6*	34.285 N	118.452 W	10				11	SAN JUAN PROVINCE, ARGENTINA
07	15	46	08.7*	34.950 N	116.926 W	0				52	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.0 (GS).
										35	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.0 (GS).
07	15	55	39.4*	27.859 S	71.181 W	33 N			1.2		Felt (III) at Barstow.
										10	NEAR COAST OF NORTHERN CHILE. Felt (IV) at Freirina and Huasco.
07	17	51	28.5*	41.189 N	29.045 E	10 G			0.1	5	TURKEY. ML 2.8 (ISK).
07	19	12	26.0	41.464 N	19.691 E	5 G			1.0	16	ALBANIA. ML 3.0 (TIR), 2.9 (TTG), 2.7 (THE).
07	19	31	26.2*	44.359 N	79.130 E	33 N	4.4		1.0	20	EASTERN KAZAKHSTAN
07	19	44	21.9*	51.57 N	165.92 W	33 N	4.4		1.4	16	SOUTH OF ALEUTIAN ISLANDS. ML 4.4 (PMR).
07	20	31	21.9*	44.25 N	8.23 E	10 G			0.5	4	NORTHERN ITALY. ML 1.7 (GEN).
07	21	07	58.7*	53.914 N	133.908 W	10 G	4.2			30	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 4.4 (PGC), 4.3 (PMR). Felt on Langara Island.
07	22	24	16.3	29.472 N	142.069 E	33 N	4.8	4.7	1.2	45	SOUTH OF HONSHU, JAPAN
07	22	54	10.8	1.070 S	78.291 W	13 *	5.1		0.9	109	ECUADOR. Felt (V) at Ambato, (IV) at Latacunga and (II) at Quito.
08	00	15	29.0	44.456 N	7.307 E	10 G			0.6	40	NORTHERN ITALY. ML 3.3 (GEN), 3.0 (LDG).
08	00	25	26.2*	44.44 N	7.30 E	10 G			0.1	4	NORTHERN ITALY. ML 1.9 (GEN).
08	00	50	13.3	40.087 N	24.804 E	12	3.4		1.1	37	AEGEAN SEA. ML 3.8 (ISK), 3.5 (THE).
08	00	54	54.1	44.582 N	7.274 E	13			0.4	25	NORTHERN ITALY. ML 2.8 (LDG), 2.7 (GEN).
08	02	17	52.2*	43.976 N	8.174 E	10 G			1.0	6	CORSICA. ML 2.0 (GEN).
08	02	36	04.7*	34.022 S	70.010 W	5 G			0.5	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
08	03	45	08.0*	41.15 N	21.33 E	5 G			1.0	4	NORTHWESTERN BALKAN REGION. ML 1.5 (SKO).
08	03	49	50.1*	39.306 N	29.262 E	5 G			0.3	5	TURKEY. ML 2.8 (ISK).
08	04	16	04.8*	41.390 N	125.259 W	10 G			0.7	10	OFF COAST OF NORTHERN CALIFORNIA. MD 2.6 (GM).
08	04	22	05.3*	0.270 N	125.368 E	67 *	4.9		1.5	12	NORTHERN MOLUCCA SEA
08	04	59	42.1*	13.516 N	125.419 E	33 N	4.6		0.4	5	PHILIPPINE ISLANDS REGION
08	05	26	31.8	38.747 N	26.429 E	10 G			1.1	18	AEGEAN SEA. ML 3.7 (ISK), 3.5 (THE).
08	05	52	26.6*	33.974 S	70.190 W	10 G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
08	05	52	45.4*	12.550 S	74.781 W	41 *	4.6		1.4	33	CENTRAL PERU. Felt (II) at Hauncavelica.
08	06	26	32.7	34.489 N	26.391 E	87	4.0		0.9	44	CRETE. MD 4.1 (ATH).
08	07	11	18.1*	45.814 N	25.986 E	33 N			0.9	6	ROMANIA
08	07	25	59.8*	41.866 N	141.803 E	33 N	4.7		0.9	20	HOKKAIDO, JAPAN REGION
08	07	27	32.9*	51.227 N	179.009 W	33 N	4.4		1.1	41	ANDREANOF ISLANDS, ALEUTIAN IS.
08	07	34	13.5*	47.30 N	11.69 E	10 G			1.2	4	AUSTRIA. ML 0.7 (VIE).
08	07	41	37.8*	20.066 N	98.228 W	10 G			1.3	6	VERACRUZ, MEXICO
08	08	26	59.4*	44.192 N	148.753 E	33 N	4.5		1.1	11	KURIL ISLANDS
08	08	43	37.0*	10.310 S	113.770 E	40 *	4.9		1.1	12	SOUTH OF JAWA, INDONESIA
08	09	26	46.0*	39.22 N	27.79 E	10 G			0.3	4	TURKEY. ML 2.7 (ISK).
08	09	53	46.9*	6.52 S	148.88 E	33 N	4.6		1.4	5	NEW BRITAIN REGION, P.N.G. ML 4.4 (PMG).
08	10	00	07.8*	51.239 N	157.775 E	33 N	4.6		0.6	19	NEAR EAST COAST OF KAMCHATKA
08	10	11	10.0*	49.493 S	122.447 E	10 G	5.0		0.8	18	SOUTH OF AUSTRALIA
08	10	17	16.6*	37.793 N	6.888 W	10 G			1.3	9	SPAIN. mbLg 3.1 (MDD).
08	10	34	51.5	51.621 N	150.966 E	493 *	4.2		0.5	55	SEA OF OKHOTSK
08	11	24	26.4*	31.362 N	130.802 E	213 ?	3.8		0.2	7	KYUSHU, JAPAN
08	12	21	18.5*	36.45 N	2.83 W	5 G			0.9	9	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
08	12	40	32.0*	56.93 N	33.68 W	10 G	4.3	4.2	1.5	6	NORTH ATLANTIC OCEAN
08	13	04	52.0	57.247 N	33.534 W	10 G	4.4	4.0	0.8	48	NORTH ATLANTIC OCEAN
08	15	26	50.9*	57.834 N	156.446 W	127				60	ALASKA PENINSULA. <AEIC>.
08	16	06	23.9	16.259 N	145.595 E	271	4.8		1.0	68	MARIANA ISLANDS
a 08	17	10	14.2	0.256 N	66.740 E	10 G	5.1	4.8	1.0	82	CARLSBERG RIDGE. Mw 5.4 (HRV).
08	18	40	34.5*	30.840 S	138.530 E	10 G			1.2	8	SOUTH AUSTRALIA. ML 3.7 (TOO).
08	18	44	37.5*	34.269 N	118.612 W	11				9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
08	19	47	01.2	39.510 N	21.620 E	10 G			0.7	7	GREECE. ML 2.8 (THE).
08	20	04	47.4*	10.40 N	61.48 W	33 N			0.3	4	TRINIDAD. MD 3.0 (TRN).
08	20	11	35.6*	13.45 N	89.48 W	80 G			0.1	9	EL SALVADOR. MD 4.0 (SSS). Felt (II) at San Salvador.
a 08	20	32	09.5*	28.855 S	75.314 E	10 G	5.0		1.1	17	MID-INDIAN RIDGE. Mw 5.2 (HRV).
08	20	35	42.2*	47.47 N	0.78 W	10 G			0.9	4	FRANCE. ML 2.3 (LDG).
08	21	39	57.0	47.490 N	154.213 E	33 N	4.6		0.9	50	KURIL ISLANDS
08	21	53	39.4*	10.773 S	113.138 E	33 N	4.6		0.9	8	SOUTH OF JAWA, INDONESIA
08	22	28	36.2*	14.510 S	76.041 W	39 *	4.6		0.8	13	NEAR COAST OF PERU. Felt (III) at Marcona.
08	22	41	46.8*	61.418 N	152.392 W	130				68	SOUTHERN ALASKA. <AEIC>.
08	23	05	46.8*	37.28 N	25.21 W	10 G			0.3	6	AZORES ISLANDS
08	23	08	38.3	39.323 N	29.153 E	11	3.8		1.0	74	TURKEY. ML 4.2 (THE), 3.9 (ISK). Felt at Emet.
08	23	17	11.9*	39.260 N	29.085 E	10 G			0.2	5	TURKEY. ML 2.8 (ISK).
08	23	17	19.1*	42.41 N	83.72 E	33 N	4.5		0.9	9	NORTHERN XINJIANG, CHINA
08	23	34	34.3*	39.261 N	29.126 E	10 G			0.7	5	TURKEY. ML 2.8 (ISK).
08	23	43	43.0*	39.20 N	29.10 E	5 G			0.9	4	TURKEY. ML 2.7 (ISK).
09	00	58	21.6*	38.23 N	26.95 W	10 G			0.3	5	AZORES ISLANDS
09	01	40	05.8	40.125 N	24.815 E	10 G			0.2	7	AEGEAN SEA. ML 2.8 (THE).
09	02	18	59.6	16.243 N	97.502 W	43	4.5		1.0	54	OAXACA, MEXICO
09	02	58	10.6*	3.811 S	151.320 E	10 G	4.9	4.6	1.3	25	NEW IRELAND REGION, P.N.G. Ms 4.4 (BRK).
09	03	23	54.6*	39.25 N	29.36 E	10 G			0.2	4	TURKEY. ML 2.8 (ISK).

09	03	47	00.9	16.694	S	73.084	W	64	*	5.0	1.1	64	NEAR COAST OF PERU
09	04	18	08.7*	7.949	S	120.269	E	33	N	4.8	1.0	12	FLORES SEA
09	04	26	16.1?	26.76	N	130.14	E	33	N	4.9	0.9	20	SOUTHEAST OF RYUKYU ISLANDS
09	04	48	31.0*	11.080	S	112.497	E	33	N	5.1	0.9	15	SOUTH OF JAWA, INDONESIA
09	05	58	42.5&	60.201	N	152.445	W	98				68	SOUTHERN ALASKA. <AEIC>.
09	06	32	36.3&	10.807	N	62.229	W	60	G		0.2	5	NEAR COAST OF VENEZUELA. MD 3.2 (TRN).
09	07	49	31.9	22.667	S	66.301	W	230	D	4.5	1.0	33	JUJUY PROVINCE, ARGENTINA
09	08	49	08.9?	39.75	N	29.62	E	10	G		0.6	4	TURKEY. ML 2.7 (ISK).
09	08	58	22.6	5.685	S	149.518	E	148		4.8	1.0	19	NEW BRITAIN REGION, P.N.G.
09	09	11	29.1	44.299	N	114.097	W	10	G		0.7	11	WESTERN IDAHO. ML 3.0 (GS), 3.2 (BUT).
09	10	19	31.9	44.234	N	8.217	E	10	G		0.8	16	NORTHERN ITALY. ML 2.3 (GEN), 2.3 (LDG).
09	11	41	43.3?	39.09	N	27.81	E	10	G		0.4	4	TURKEY. ML 2.8 (ISK).
09	11	44	14.5	51.728	N	175.305	W	65		4.7	0.9	71	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR). Felt on Adak.
09	12	15	59.0	55.468	N	158.189	W	33	N	4.7	1.0	94	ALASKA PENINSULA. ML 4.6 (PMR). Felt (II) at Chignik.
09	13	50	13.1*	37.013	S	177.185	E	163	?	4.9	1.1	18	OFF E. COAST OF N. ISLAND, N.Z.
09	13	58	03.0*	53.356	N	160.979	E	33	N	4.7	0.8	41	NEAR EAST COAST OF KAMCHATKA
09	14	23	00.1*	42.988	N	18.037	E	5	G		0.7	10	NORTHWESTERN BALKAN REGION. ML 2.8 (TTG).
09	14	30	52.3	31.692	S	144.847	E	10	G		0.5	7	NEW SOUTH WALES, AUSTRALIA
09	15	48	21.2&	39.222	N	29.103	E	10	G		0.9	5	TURKEY. ML 2.8 (ISK).
09	15	56	34.4?	38.67	N	20.60	E	10	G		1.3	7	GREECE. ML 3.1 (THE).
a 09	15	57	58.6	37.217	S	95.101	W	26	D	5.4 5.1	0.9	138	SOUTHERN PACIFIC OCEAN. Mw 5.7 (HRV). Ms 5.0 (BRK).
09	16	22	58.2	43.109	N	0.540	W	10	G		0.5	10	PYRENEES. ML 2.5 (LDG).
09	16	42	12.8	31.506	S	69.091	W	5	G		0.9	15	SAN JUAN PROVINCE, ARGENTINA. MD 4.4 (SAN).
09	17	25	09.0&	58.958	N	152.506	W	73				52	KODIAK ISLAND REGION. <AEIC>.
09	17	30	09.4*	5.928	S	145.823	E	33	N	3.5	1.3	5	EASTERN NEW GUINEA REG., P.N.G.
09	17	55	51.1	39.273	N	29.186	E	10	G		0.6	13	TURKEY. ML 3.2 (ISK).
09	18	12	06.7?	15.16	S	173.28	W	120	G	4.3	1.0	22	TONGA ISLANDS
09	18	16	32.8?	50.64	N	178.46	W	33	N		1.3	7	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.0 (PMR).
09	19	40	07.7?	34.16	S	72.01	W	33	N		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
09	19	56	55.5	44.055	N	8.995	E	20			0.9	60	NORTHERN ITALY. ML 3.3 (LDG), 3.2 (GEN), 3.0 (STR). MD 3.5 (TRI).
09	19	58	45.9?	44.12	N	9.05	E	10	G		0.2	7	NORTHERN ITALY. ML 2.0 (GEN).
09	20	35	50.9?	17.73	N	61.78	W	10	G		0.7	5	LEEWARD ISLANDS. MD 2.4 (TRN).
09	21	02	07.7	36.630	N	138.870	E	168		3.7	1.1	18	EASTERN HONSHU, JAPAN
09	21	10	38.2	43.142	N	0.516	W	10	G		0.9	16	PYRENEES. ML 2.9 (LDG). mbLg 2.7 (MDD).
09	21	18	14.1	44.087	N	9.019	E	19			0.7	22	NORTHERN ITALY. ML 2.7 (GEN).
09	22	05	34.0	42.852	N	12.493	E	10	G		1.3	27	CENTRAL ITALY. ML 3.3 (LDG).
09	22	56	11.2&	34.290	N	118.451	W	7				52	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.0 (GS).
09	23	08	46.5?	44.05	N	9.57	E	10	G		0.5	7	NORTHERN ITALY. ML 2.3 (GEN).
09	23	49	34.6&	37.593	N	118.822	W	6				55	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.7 (GS).
10	00	52	31.3	44.053	N	9.036	E	13			0.9	28	NORTHERN ITALY. ML 3.0 (LDG), 2.8 (GEN).
10	02	01	01.7	41.654	N	3.068	E	10	G		1.1	27	SPAIN. mbLg 3.5 (MDD). ML 3.2 (LDG), 3.0 (STR).
10	02	27	30.4	45.692	N	14.397	E	10	G		0.6	7	NORTHWESTERN BALKAN REGION. MD 2.7 (TRI), 2.5 (LJU), 2.4 (VIE).
10	02	53	35.2*	12.323	N	88.395	W	39	D	4.4 3.9	1.1	40	OFF COAST OF CENTRAL AMERICA
a 10	02	58	33.6	13.770	S	167.165	E	199	D	5.4	1.0	199	VANUATU ISLANDS. Mw 5.3 (HRV).
10	03	27	55.5&	33.644	S	118.723	E	10	G		1.1	6	WESTERN AUSTRALIA
10	05	51	17.1?	12.10	S	114.13	E	10	G	4.0	1.0	7	NORTHWEST OF AUSTRALIA
10	07	23	36.5	42.217	N	7.450	W	48	?		1.1	24	SPAIN. mbLg 3.4 (MDD). Felt (IV) in the Villar de Barrio area.
10	07	32	37.9*	42.650	N	1.987	E	10	G		1.5	8	PYRENEES. ML 2.2 (LDG).
10	07	42	11.9?	39.08	N	27.69	E	5	G		0.0	4	TURKEY. ML 2.8 (ISK).
10	08	11	34.2&	44.318	N	7.365	E	10	G		0.5	9	NORTHERN ITALY. ML 2.1 (GEN).
10	08	20	14.6&	59.339	N	152.846	W	79				50	SOUTHERN ALASKA. <AEIC>.
10	08	35	14.2*	38.197	N	27.849	E	10	G		0.9	6	TURKEY. ML 3.2 (ISK). Felt at Germencik.
10	12	27	14.9&	60.776	N	151.783	W	80				82	KENAI PENINSULA, ALASKA. <AEIC>.
10	12	36	12.2&	40.384	N	125.457	W	23				2	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
10	13	45	07.2&	39.847	N	28.010	E	10	G		0.5	5	TURKEY. ML 2.8 (ISK).
10	13	55	50.8&	40.104	N	29.347	E	10	G		0.3	7	TURKEY. ML 2.8 (ISK).
10	14	03	53.0&	37.679	N	3.379	W	10	G		0.4	9	SPAIN. mbLg 2.4 (MDD).
10	14	44	03.6*	6.356	S	128.978	E	190	?	4.5	1.2	14	BANDA SEA
10	16	21	13.8&	40.387	N	124.987	W	14				36	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM). ML 3.1 (BRK), 3.0 (GS).
10	16	25	43.6&	61.518	N	146.439	W	31				48	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 2.8 (PMR).
10	16	48	31.7?	44.15	N	8.81	E	10	G		0.6	6	NORTHERN ITALY. ML 2.5 (GEN).
10	17	46	30.3&	59.316	N	153.172	W	103				45	SOUTHERN ALASKA. <AEIC>.
10	18	17	39.2&	16.074	N	60.897	W	33	N		0.3	8	LEEWARD ISLANDS. MG 2.8 (PDF).
10	19	06	46.3&	34.792	N	116.293	W	5				28	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 3.0 (GS). Double event.
10	19	26	33.2?	44.07	N	8.68	E	5	G		0.5	4	NORTHERN ITALY. ML 2.3 (GEN).
10	20	04	59.7?	17.89	S	178.68	W	612	*	4.3	0.7	13	FIJI ISLANDS REGION
10	21	17	46.1	9.853	S	124.442	E	33	N	4.8	0.9	35	TIMOR REGION, INDONESIA
10	21	43	12.4?	44.07	N	7.62	E	10	G		0.2	4	NORTHERN ITALY. ML 1.7 (GEN).
10	21	51	27.5&	50.414	N	130.303	W	10	G			6	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.2 (PGC).
10	22	57	08.2*	9.685	N	70.633	W	33	N	4.2	1.1	7	VENEZUELA
a 10	23	14	06.4	36.478	N	70.150	E	230	D	4.8	0.9	188	HINDU KUSH REGION, AFGHANISTAN. Mw 5.2 (HRV).
10	23	48	32.4?	41.43	N	24.75	E	10	G		0.5	6	GREECE-BULGARIA BORDER REGION. ML 2.9 (THE).
11	00	22	20.2*	45.913	N	10.980	E	10	G		0.4	8	NORTHERN ITALY. ML 2.6 (VIE).
11	00	29	12.2	44.300	N	7.775	E	10	G		0.5	14	NORTHERN ITALY. ML 2.2 (GEN).
11	00	40	28.1&	35.454	N	118.912	W	14				58	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 3.0 (GS).
11	00	59	20.1*	3.033	S	129.952	E	33	N	4.9	1.2	28	SERAM, INDONESIA
11	01	25	53.3?	40.86	N	22.99	E	5	G		0.2	4	GREECE. ML 1.7 (THE).
11	01	31	19.6&	35.784	N	4.718	W	10	G		1.2	13	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
11	01	59	11.8?	36.41	N	2.86	W	10	G		1.1	4	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
11	02	18	56.5&	63.006	N	151.093	W	124		3.8		76	CENTRAL ALASKA. <AEIC>.
11	02	47	59.7	0.684	S	133.547	E	30	D	4.9	1.0	32	IRIAN JAYA REGION, INDONESIA
11	02	54	20.2*	41.516	N	26.821	E	5	G		1.6	14	GREECE-BULGARIA BORDER REGION. ML 3.3 (THE).
11	03	16	35.1	19.227	N	66.763	W	10	G	4.4	0.8	37	PUERTO RICO REGION. MD 4.2 (MPR).
11	03	58	32.8&	16.768	N	62.184	W	33	N		1.0	8	LEEWARD ISLANDS. MD 3.0 (TRN).
11	04	36	52.3*	26.679	N	127.674	E	47	D	4.4 3.9	1.2	24	RYUKYU ISLANDS
11	05	48	47.0?	41.13	N	28.69	E	10	G		0.3	4	TURKEY. ML 2.8 (ISK).

11	06	13	41.0	51.120	N	159.526	E	36	D	4.8	1.2	48	OFF EAST COAST OF KAMCHATKA
11	06	22	31.5?	36.37	N	26.83	E	147	?		0.1	7	DODECANESE ISLANDS
11	06	47	52.9*	31.347	S	68.788	W	10	G	3.8	1.4	14	SAN JUAN PROVINCE, ARGENTINA
11	06	49	15.5&	34.256	N	118.692	W	16				58	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.3 (PAS). ML 3.2 (GS).
11	06	50	49.6&	34.260	N	118.692	W	16				76	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS), 3.7 (GS). Felt in the Northridge area.
11	07	16	16.1?	39.11	N	27.61	E	10	G		0.4	4	TURKEY. ML 2.8 (ISK).
11	07	36	00.6*	8.772	N	122.182	E	33	N	4.3	1.3	7	MINDANAO, PHILIPPINE ISLANDS
11	07	57	50.7&	50.338	N	130.152	W	10	G	3.5		42	VANCOUVER ISLAND REGION. <PGC-P>.
11	09	05	31.4&	44.602	N	6.662	E	10	G		0.6	5	FRANCE. ML 1.8 (GEN).
11	09	30	12.4&	32.084	N	114.881	W	16				30	W. ARIZONA-SONORA BORDER REGION. <ECK-P>. MD 3.6 (ECK). ML 3.6 (GS), 3.1 (PAS).
11	09	38	26.1?	10.93	S	112.95	E	33	N	4.8	1.6	13	SOUTH OF JAWA, INDONESIA
11	09	38	37.3?	39.71	N	29.51	E	10	G		0.1	4	TURKEY. ML 2.7 (ISK).
11	09	50	59.6?	59.32	N	6.08	E	10	G		0.4	4	SOUTHERN NORWAY. MD 1.6 (BER).
11	09	58	29.9	43.606	N	7.599	E	10	G		0.3	11	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN), 1.7 (LDG).
11	10	45	13.8*	19.292	N	121.055	E	33	N	4.1	1.6	8	PHILIPPINE ISLANDS REGION
11	12	02	44.2&	44.377	N	7.397	E	10	G		0.4	6	NORTHERN ITALY. ML 1.9 (GEN).
11	12	12	33.0&	33.696	S	70.498	W	97	?		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
11	12	34	37.9?	34.12	S	70.64	W	10	G		0.2	4	CHILE-ARGENTINA BORDER REGION
11	12	37	42.6&	41.857	N	20.149	E	5	G		0.5	8	ALBANIA. ML 2.3 (TTG).
11	12	38	25.1&	40.543	N	27.291	E	10	G		0.4	7	TURKEY. ML 3.0 (ISK).
11	12	46	30.2*	36.511	N	68.415	E	33	N	4.1	0.3	6	HINDU KUSH REGION, AFGHANISTAN
11	13	02	32.1&	36.571	N	121.051	W	9				14	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM).
11	14	34	10.5&	34.631	N	116.610	W	5				40	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.0 (GS).
11	15	02	08.3?	41.65	N	27.63	E	10	G		0.5	4	TURKEY. ML 2.8 (ISK).
11	15	21	29.7&	60.389	N	153.094	W	150				42	SOUTHERN ALASKA. <AEIC>.
11	15	26	52.1*	11.038	S	112.938	E	33	N	3.7	1.4	8	SOUTH OF JAWA, INDONESIA
11	15	30	24.4?	13.63	N	93.17	W	33	N	4.3	1.5	15	OFF COAST OF CHIAPAS, MEXICO
11	15	37	47.2&	34.261	N	118.696	W	15				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
11	15	40	49.9*	13.355	N	145.458	E	35	D	4.5 4.2	1.5	29	MARIANA ISLANDS. Felt (IV) on Guam.
11	17	06	17.5&	34.788	N	116.295	W	4				24	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
11	17	06	50.1*	53.247	N	171.137	E	33	N	3.7	0.9	10	NEAR ISLANDS, ALEUTIAN ISLANDS
11	17	21	52.0?	44.14	N	8.95	E	10	G		0.3	8	NORTHERN ITALY. ML 2.3 (LDG), 2.0 (GEN).
11	17	23	58.5	43.484	N	0.573	W	5	G		0.4	12	PYRENEES. ML 2.8 (LDG). mblg 2.8 (MDD).
11	17	24	09.0	44.675	N	9.103	E	10	G		0.6	24	NORTHERN ITALY. ML 2.7 (GEN), 2.7 (LDG).
11	18	55	12.6&	26.377	S	27.496	E	5	G		0.9	12	REPUBLIC OF SOUTH AFRICA. ML 3.6 (PRE).
11	19	51	53.9*	14.323	N	91.083	W	68	D	4.3	1.5	30	GUATEMALA. MD 4.6 (GCG).
11	19	53	12.7	41.953	N	22.970	E	10	G		1.0	15	NORTHWESTERN BALKAN REGION. ML 2.9 (THE).
11	20	23	29.7*	62.048	N	156.447	W	33	N		1.5	8	CENTRAL ALASKA. ML 2.9 (PMR).
11	20	35	16.2?	48.75	N	7.73	E	10	G		0.3	4	FRANCE. ML 1.7 (STR).
11	20	37	46.3&	59.679	N	152.160	W	58				45	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
11	20	57	13.0&	39.877	N	120.840	W	4				27	NORTHERN CALIFORNIA. <GM-P>. MD 2.7 (GM).
11	20	57	37.6	37.541	N	54.474	E	29	D	4.8 4.3	1.3	144	TURKMENISTAN-IRAN BORDER REGION. ML 4.9 (TEH). Felt at Gorgan, Iran.
11	21	31	12.9*	44.325	N	12.010	E	10	G		1.4	11	NORTHERN ITALY. ML 2.9 (LDG).
11	21	57	30.8	44.323	N	12.092	E	10	G		1.2	21	NORTHERN ITALY. ML 3.0 (LDG).
11	22	32	44.8	41.157	N	142.859	E	48	D	4.6	1.1	54	HOKKAIDO, JAPAN REGION. Felt (III) at Misawa, Honshu.
11	22	43	34.2*	3.197	N	126.577	E	69	*	4.8	1.1	21	TALAUD ISLANDS, INDONESIA
11	23	25	48.3	44.778	N	111.042	W	10	G		0.9	27	HEBGEN LAKE REGION. ML 3.8 (BUT). Felt (III) at Madison Junction and (II) at Midway Geyser Basin in Yellowstone National Park.
11	23	59	31.9?	38.64	N	26.33	E	10	G		0.4	4	AEGEAN SEA. ML 3.2 (ISK).
12	00	12	16.2?	37.77	N	54.61	E	33	N	4.6	0.6	11	TURKMENISTAN-IRAN BORDER REGION. Felt at Gorgan, Iran.
12	00	50	45.4?	38.82	N	26.68	E	10	G		0.6	4	AEGEAN SEA. ML 3.1 (ISK).
12	02	55	58.5&	34.192	S	70.629	W	100	G		0.1	8	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
12	03	06	11.3*	9.396	N	126.551	E	33	N		1.7	5	MINDANAO, PHILIPPINE ISLANDS
12	03	49	05.1&	39.566	N	23.314	E	10	G		0.5	7	AEGEAN SEA. ML 2.2 (THE).
12	04	35	05.3*	36.411	N	71.056	E	248	D	4.6	0.9	136	AFGHANISTAN-TAJIKISTAN BORD REG.
12	05	47	34.4	18.151	N	100.485	W	67		4.1	1.1	44	GUERRERO, MEXICO
12	05	58	26.3	39.501	N	23.400	E	10	G		0.4	9	AEGEAN SEA. ML 2.7 (THE).
12	07	05	42.9	46.706	N	10.209	E	10	G		0.5	7	NORTHERN ITALY. ML 2.5 (VIE).
12	07	53	45.5?	39.11	N	27.72	E	10	G		0.7	4	TURKEY. ML 2.7 (ISK).
12	08	28	53.0?	39.09	N	27.70	E	10	G		0.7	4	TURKEY. ML 2.8 (ISK).
12	08	31	13.9*	23.603	S	66.375	W	244	*	4.2	1.2	27	JUJUY PROVINCE, ARGENTINA
12	09	00	53.3	37.291	N	23.059	E	118	*	3.8	1.4	50	SOUTHERN GREECE
12	10	46	13.9*	14.147	N	92.925	W	33	N	4.0	1.4	19	NEAR COAST OF CHIAPAS, MEXICO. MD 4.6 (GCG).
12	11	01	20.0?	11.87	N	86.73	W	33	N	4.4	0.8	18	NEAR COAST OF NICARAGUA
12	11	08	37.2&	35.013	N	119.166	W	10				10	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
12	11	19	48.9	6.201	S	149.104	E	68	*	4.8	1.2	34	NEW BRITAIN REGION, P.N.G.
12	11	45	57.5?	30.44	S	176.11	W	33	N	4.2	1.5	6	KERMADEC ISLANDS REGION
12	11	58	12.9?	29.53	S	176.49	W	33	N	4.2	1.3	10	KERMADEC ISLANDS REGION
12	12	15	05.5&	63.105	N	150.638	W	117				76	CENTRAL ALASKA. <AEIC>.
12	12	17	44.6&	40.665	N	21.518	E	10	G		0.8	5	GREECE. ML 2.0 (THE).
12	12	20	48.2&	40.601	N	21.448	E	10	G		0.4	5	GREECE. ML 1.9 (THE).
12	12	24	14.2?	15.90	N	60.18	W	33	N		0.4	10	LEEWARD ISLANDS. ML 3.1 (FDF).
12	12	35	25.1	40.635	N	21.528	E	10	G		1.1	20	GREECE. ML 2.9 (THE), 2.6 (TIR).
12	12	45	24.6?	39.20	N	27.79	E	10	G		0.1	4	TURKEY. ML 2.7 (ISK).
12	13	02	54.2&	40.588	N	21.435	E	10	G		0.7	6	GREECE. ML 2.1 (THE).
12	13	41	28.9&	39.200	N	29.004	E	10	G		0.3	5	TURKEY. ML 2.9 (ISK).
12	13	44	22.0&	60.380	N	147.449	W	19				79	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
a 12	13	47	34.5	19.756	N	70.924	W	33	N	5.0 5.1	1.2	175	DOMINICAN REPUBLIC REGION. Mw 5.6 (HRV). MD 5.7 (HOJ). Ms 5.0 (BRK). Felt (VI) at Moca; (V) at La Isabela, Luperon, Puerto Plata and Santiago; (IV) at San Francisco de Macoris; (III) at Santo Domingo. Also felt at Hato Mayor, Imbert and Mao.
12	14	20	29.3&	63.353	N	151.487	W	18				71	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.4 (PMR).
12	14	49	47.3?	32.14	S	70.42	W	120	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
12	15	09	06.5?	35.08	N	24.80	E	33	N	3.3	0.3	4	CRETE. MD 3.8 (ATH).
12	15	32	51.4	40.887	N	21.320	E	10	G		1.4	7	GREECE. ML 2.3 (THE).
12	16	11	14.5?	2.81	S	129.57	E	36	*	4.9	1.0	19	SERAM, INDONESIA
12	16	31	23.6?	10.39	N	125.10	E	33	N		0.3	4	LEYTE, PHILIPPINE ISLANDS

12	16	41	31.47	36.37	N	2.90	W	10	G	1.5	7	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).		
12	17	16	38.9	42.952	N	0.071	E	5	G	1.0	14	PYRENEES. ML 3.1 (LDG). MD 3.1 (BTH). mbLg 2.9 (MDD). Felt (II) at Bagneres-de-Bigorre, France.		
12	18	08	49.28	40.388	N	125.722	W	8			14	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.7 (GM).		
12	19	25	59.6	44.869	N	10.409	E	10	G	1.2	43	NORTHERN ITALY. ML 3.4 (LDG), 3.0 (VIE), 2.9 (STR).		
12	20	26	05.5	44.468	N	114.306	W	5	G	0.7	22	WESTERN IDAHO. ML 3.6 (GS), 3.7 (BUT). Felt (III) at Challis, Clayton and May.		
12	21	19	34.8	51.524	N	178.784	E	33	N	4.7 3.9	1.2	92	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.9 (PMR).	
12	21	19	45.1*	51.508	N	178.604	E	33	N	4.9	0.7	35	RAT ISLANDS, ALEUTIAN ISLANDS	
12	21	29	23.78	16.787	N	99.741	W	33	N		1.4	15	NEAR COAST OF GUERRERO, MEXICO	
12	21	36	43.38	40.470	N	23.617	E	10	G		0.4	7	GREECE. ML 2.3 (THE).	
12	21	39	13.47	43.88	N	128.70	W	10	G		0.8	34	OFF COAST OF OREGON	
12	22	40	24.4*	6.199	S	105.445	E	33	N	5.0	1.2	53	SUNDA STRAIT	
a	13	00	25	14.4	16.644	S	167.469	E	33	N	5.4 5.1	1.3	105	VANUATU ISLANDS. Mw 5.4 (HRV). Ms 5.0 (BRK).
13	00	33	45.9*	16.658	S	167.457	E	33	N	4.7	0.8	8	VANUATU ISLANDS	
13	01	29	57.08	39.170	N	29.015	E	10	G		0.8	8	TURKEY. ML 2.9 (ISK).	
13	02	01	36.1*	39.200	N	20.735	E	10	G		0.4	9	GREECE-ALBANIA BORDER REGION. ML 2.5 (THE).	
13	02	07	32.98	59.991	N	152.794	W	108				64	SOUTHERN ALASKA. <AEIC>.	
13	02	24	26.5	39.464	N	21.377	E	33	N	3.3	1.3	29	GREECE. MD 3.5 (ATH). ML 3.4 (THE), 3.2 (TIR).	
a	13	02	35	56.0	16.620	S	167.518	E	33	N	6.4 7.3	1.3	390	VANUATU ISLANDS. Mw 7.1 (GS), 7.2 (HRV). Ms 7.3 (BRK). Mo=1.0*10**20 Nm (PPT). Felt (VI) at Port-Vila and (V) on Malakula. Also felt on Ambrym, Aoba, Efate, Epi, Erromango, Espiritu Santo, Maewo and Pentecost. Complex event observed on broadband displacement seismograms.
13	02	43	47.1*	16.643	S	167.379	E	33	N	5.6	1.4	78	VANUATU ISLANDS	
13	02	57	03.87	17.08	S	167.63	E	33	N	4.9	1.2	8	VANUATU ISLANDS	
13	02	58	35.07	16.13	S	166.80	E	33	N	4.8	1.5	23	VANUATU ISLANDS	
13	03	09	05.9*	16.574	S	167.184	E	33	N	4.9	0.7	13	VANUATU ISLANDS	
13	03	11	23.67	16.62	S	167.20	E	33	N		1.2	17	VANUATU ISLANDS	
a	13	03	13	19.3	16.812	S	167.249	E	33	N	6.1	1.3	341	VANUATU ISLANDS. Mw 6.7 (HRV).
13	03	14	14.88	39.179	N	29.021	E	10	G		0.6	6	TURKEY. ML 2.8 (ISK).	
13	03	23	42.7*	16.656	S	167.642	E	33	N	4.9	1.0	16	VANUATU ISLANDS	
13	03	42	00.5*	16.605	S	167.323	E	33	N	4.7	1.1	17	VANUATU ISLANDS	
13	03	50	56.67	16.77	S	167.19	E	33	N		1.4	22	VANUATU ISLANDS	
13	04	11	53.9*	16.751	S	167.227	E	33	N	4.8	1.0	16	VANUATU ISLANDS	
13	04	13	33.9	42.918	N	0.106	W	10	G		0.9	11	PYRENEES. MD 2.7 (BTH). ML 2.4 (LDG). Felt (II) at Agos-Vidalos, France.	
13	04	28	13.6*	16.554	S	167.355	E	33	N	4.8	0.9	12	VANUATU ISLANDS	
13	04	33	31.28	16.768	N	99.687	W	22			0.6	14	NEAR COAST OF GUERRERO, MEXICO	
13	04	38	27.17	16.57	S	167.47	E	33	N	4.7	1.3	14	VANUATU ISLANDS	
13	04	46	41.68	44.038	N	8.612	E	5	G		0.4	7	NORTHERN ITALY. ML 2.2 (GEN).	
13	04	53	27.57	6.09	N	82.06	W	33	N		1.4	5	SOUTH OF PANAMA	
13	04	59	33.48	33.308	N	115.705	W	4				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).	
13	05	14	00.47	17.16	S	167.37	E	33	N	4.8	0.8	6	VANUATU ISLANDS	
13	05	20	12.9*	16.741	S	167.291	E	33	N	4.8	1.1	18	VANUATU ISLANDS	
13	05	23	43.1*	29.875	N	51.195	E	33	N	4.5	1.6	19	SOUTHERN IRAN. MD 4.6 (RYD).	
13	06	23	06.9*	6.582	S	130.542	E	72	?	4.6	0.9	23	BANDA SEA	
13	06	36	33.1*	16.931	S	167.380	E	20	D	4.9	1.4	23	VANUATU ISLANDS	
13	06	37	23.6*	16.644	S	167.367	E	33	N		0.8	12	VANUATU ISLANDS	
13	06	43	38.17	39.67	N	29.54	E	10	G		0.7	4	TURKEY. ML 2.7 (ISK).	
13	07	09	53.47	16.82	S	167.48	E	33	N	4.5	1.4	11	VANUATU ISLANDS	
13	07	22	21.47	16.84	S	167.65	E	33	N	4.7	1.1	7	VANUATU ISLANDS	
13	07	30	47.58	39.054	N	27.690	E	10	G		0.5	5	TURKEY. ML 2.8 (ISK).	
13	07	42	36.17	39.11	N	27.61	E	10	G		0.4	4	TURKEY. ML 2.7 (ISK).	
13	08	09	51.7*	16.573	S	167.223	E	30	D	5.3 4.7	1.4	77	VANUATU ISLANDS	
13	08	23	35.37	38.41	N	27.80	E	10	G		0.5	5	TURKEY. ML 3.1 (ISK).	
13	08	41	40.98	36.242	N	3.662	W	10	G		1.0	10	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).	
13	08	42	58.98	39.229	N	29.085	E	10	G		0.3	10	TURKEY. ML 3.0 (ISK).	
13	08	52	39.07	39.14	N	27.72	E	10	G		0.7	4	TURKEY. ML 2.8 (ISK).	
13	09	01	56.6	16.900	S	167.488	E	24	D	5.2 4.9	1.3	67	VANUATU ISLANDS. Ms 4.8 (BRK).	
13	10	11	15.7*	16.654	S	167.137	E	33	N	4.7	1.0	17	VANUATU ISLANDS	
13	10	12	30.9	36.532	N	3.831	W	10	G		1.3	17	STRAIT OF GIBRALTAR. mbLg 3.4 (MDD).	
13	10	12	58.5*	16.601	S	167.197	E	33	N	4.8	1.2	32	VANUATU ISLANDS	
13	10	13	38.88	39.705	N	29.447	E	10	G		0.6	7	TURKEY. ML 2.8 (ISK).	
13	10	19	13.87	39.55	N	29.51	E	10	G		0.4	6	TURKEY. ML 2.8 (ISK).	
13	10	23	25.58	40.725	N	29.878	E	5	G		0.6	6	TURKEY. ML 2.8 (ISK).	
13	10	34	22.4*	5.406	S	151.961	E	58	?	4.6	1.1	9	NEW BRITAIN REGION, P.N.G.	
13	10	54	00.3*	35.879	N	21.127	E	10	G	3.8	0.6	13	CENTRAL MEDITERRANEAN SEA	
13	10	55	31.67	36.58	N	3.88	W	10	G		0.1	4	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).	
a	13	11	45	23.3	7.532	S	127.770	E	159	G	6.5	1.1	679	BANDA SEA. Mw 6.4 (GS), 6.5 (HRV). mb 6.8 (BRK). Mo=9.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
13	12	13	27.57	39.28	N	27.78	E	10	G		0.8	4	TURKEY. ML 2.8 (ISK).	
13	12	19	54.57	42.63	N	23.89	E	5	G		0.9	6	BULGARIA. ML 2.9 (THE).	
13	12	23	33.38	39.279	N	29.174	E	10	G		0.4	7	TURKEY. ML 2.8 (ISK).	
13	12	32	25.7*	16.854	S	167.396	E	33	N	4.4	0.9	16	VANUATU ISLANDS	
13	13	25	05.87	3.63	N	126.27	E	33	N	4.7	1.5	15	TALAUD ISLANDS, INDONESIA	
13	13	48	07.9	16.571	S	167.424	E	26	D	5.3 5.2	1.4	100	VANUATU ISLANDS	
13	14	09	19.5*	41.412	N	21.811	E	10	G		1.2	8	NORTHWESTERN BALKAN REGION. ML 2.2 (THE), 1.7 (SKO).	
13	15	10	18.37	16.86	S	167.29	E	33	N	4.2	0.7	8	VANUATU ISLANDS	
13	15	19	36.4*	44.032	N	8.989	E	5	G		0.6	14	NORTHERN ITALY. ML 2.8 (LDG), 2.7 (GEN).	
13	16	20	52.4*	32.665	S	71.543	W	13			0.5	12	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).	
13	16	28	25.9*	16.662	S	167.583	E	33	N	4.7	1.2	24	VANUATU ISLANDS	
13	16	45	09.08	42.430	N	18.919	E	10	G		0.5	8	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).	
13	17	12	51.1*	16.966	S	167.201	E	33	N	4.8 4.8	1.2	21	VANUATU ISLANDS	
13	17	52	05.08	61.296	N	146.827	W	5				71	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.3 (PMR).	
13	17	52	37.9	43.412	N	126.888	W	10	G	4.4	0.7	154	OFF COAST OF OREGON. ML 4.2 (BRK).	
13	17	52	42.9*	16.893	S	166.942	E	33	N	4.3	0.7	10	VANUATU ISLANDS	
13	19	07	21.1	32.784	S	71.402	W	11			0.7	16	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN). Felt (IV) at Valparaiso. Also felt at Santiago and Vina del Mar.	
13	19	16	11.3	44.196	N	6.762	E	5	G		0.4	26	FRANCE. ML 2.7 (GEN), 2.5 (LDG).	
13	19	22	46.67	51.41	N	15.89	E	10	G		1.0	5	POLAND	
13	19	29	49.08	37.628	N	137.480	E	10	G		1.5	13	NEAR WEST COAST OF HONSHU, JAPAN	

13	19	42	44.8%	38.144	N	1.467	W	10	G	1.5	6	SPAIN. mbLg 2.7 (MDD). Felt (II) in the Cieza area.		
13	20	08	52.47	28.76	N	34.72	E	10	G	0.9	4	EGYPT		
13	20	53	31.9%	39.770	N	24.424	E	5	G	0.8	8	AEGEAN SEA. ML 2.9 (THE).		
13	21	25	11.3%	39.330	N	120.085	W	15			27	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 2.8 (GS).		
13	21	30	41.97	35.77	N	29.24	E	33	N	0.6	4	EASTERN MEDITERRANEAN SEA. ML 3.7 (ISK).		
13	22	04	55.77	16.59	S	167.18	E	33	N	4.6	1.3	12	VANUATU ISLANDS	
13	22	23	51.6	4.318	S	135.087	E	26	D	5.1	4.4	1.0	37	IRIAN JAYA REGION, INDONESIA
13	22	31	13.4%	59.960	N	152.254	W	90					76	SOUTHERN ALASKA. <AEIC>.
13	23	02	58.8*	17.142	S	167.747	E	31	D	4.9	1.2	27	VANUATU ISLANDS	
14	00	01	25.4*	36.561	N	9.683	W	10	G	0.8	9	WEST OF GIBRALTAR. mbLg 3.3 (MDD). MD 3.2 (RBA).		
a 14	00	09	24.7	16.582	S	167.452	E	20	G	5.6	5.9	1.3	253	VANUATU ISLANDS. Mw 5.9 (GS), 5.9 (HRV). Ms 5.9 (BRK). Mo=1.2*10**18 Nm (PPT). Depth from broadband displacement seismograms.
14	00	26	25.27	10.80	S	113.70	E	33	N	4.4	1.5	11	SOUTH OF JAWA, INDONESIA	
14	00	48	27.07	17.10	S	167.30	E	33	N	4.2	1.5	11	VANUATU ISLANDS	
14	01	04	31.1*	16.565	S	167.760	E	25	D	4.3	0.9	11	VANUATU ISLANDS	
14	01	05	43.7*	12.193	N	143.712	E	33	N	4.7	1.4	43	SOUTH OF MARIANA ISLANDS	
14	01	23	06.27	56.25	N	5.53	W	5	G		0.7	10	UNITED KINGDOM. ML 2.0 (BGS). Felt (II) on Seil and at Lerags.	
14	03	01	57.67	12.25	N	89.31	W	33	N	4.1	0.5	24	OFF COAST OF CENTRAL AMERICA. MD 4.5 (SSS), 4.5 (GCG). Felt (II) at San Salvador, El Salvador.	
14	03	14	57.67	47.59	N	1.32	W	10	G		0.0	5	FRANCE. ML 2.1 (LDG).	
14	03	51	32.67	31.61	S	71.21	W	60	G		0.4	12	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).	
14	04	59	47.3%	31.973	S	70.194	W	120	?		0.4	12	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN). Felt (III) at Illapel and (II) at Petorca, Chile.	
14	05	00	57.8*	12.193	S	14.887	W	10	G	4.5	0.5	18	SOUTHERN MID-ATLANTIC RIDGE	
14	06	09	15.8*	13.896	N	93.237	W	33	N	4.2	1.6	25	OFF COAST OF CHIAPAS, MEXICO. MD 4.7 (GCG).	
14	06	11	59.57	54.00	N	165.74	W	33	N	4.3	1.2	23	FOX ISLANDS, ALEUTIAN ISLANDS	
14	06	37	16.4%	39.272	N	29.179	E	10	G		0.8	6	TURKEY. ML 2.8 (ISK).	
14	06	37	54.7*	33.520	N	140.811	E	64	?	4.8	0.8	15	SOUTH OF HONSHU, JAPAN	
14	06	52	37.1*	9.127	N	122.057	E	26		4.8	1.1	16	NEGROS, PHILIPPINE ISLANDS	
14	06	56	06.57	16.75	S	167.44	E	33	N	3.7	0.9	5	VANUATU ISLANDS	
14	06	57	01.4*	16.849	S	167.244	E	33	N	4.7	1.0	18	VANUATU ISLANDS	
a 14	07	10	59.9	5.437	S	133.782	E	28	D	5.1	4.6	0.8	58	ARU ISLANDS REGION, INDONESIA. Mw 5.2 (HRV).
14	07	33	53.17	39.11	N	27.61	E	10	G		0.4	4	TURKEY. ML 2.8 (ISK).	
14	07	53	06.3	17.127	S	167.587	E	36	D	5.1	5.2	1.4	131	VANUATU ISLANDS
14	08	07	38.6*	17.213	S	167.599	E	33	N	4.8	1.2	48	VANUATU ISLANDS	
a 14	08	25	38.7	16.709	S	167.366	E	30	D	5.3	5.3	1.4	166	VANUATU ISLANDS. Mw 5.7 (HRV).
14	08	44	04.37	39.35	N	27.29	E	10	G		0.3	4	TURKEY. ML 2.8 (ISK).	
14	08	54	38.27	44.54	N	7.21	E	5	G		0.1	4	NORTHERN ITALY. ML 1.8 (GEN).	
14	09	37	45.4*	16.730	S	167.436	E	33	N	4.4	0.6	8	VANUATU ISLANDS	
14	09	39	30.4*	17.070	S	167.344	E	33	N	4.9	1.0	14	VANUATU ISLANDS	
14	10	09	44.9*	6.972	N	73.211	W	153	*	4.2	1.6	12	NORTHERN COLOMBIA	
14	10	46	16.2%	32.706	S	71.480	W	10	G		0.8	12	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).	
14	11	02	37.3%	34.268	S	71.369	W	60	G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).	
14	11	06	14.2*	6.055	S	146.144	E	101	*		0.5	10	EASTERN NEW GUINEA REG., P.N.G.	
14	11	19	27.1%	39.865	N	24.035	E	5	G		0.5	8	AEGEAN SEA. ML 3.5 (THE).	
a 14	11	26	33.4*	16.797	S	167.423	E	21	D	5.1	4.8	1.3	88	VANUATU ISLANDS. Mw 5.3 (HRV). Ms 4.7 (BRK).
14	12	16	19.1	48.045	N	7.749	E	10	G		0.3	7	FRANCE. ML 2.4 (LDG).	
14	12	23	23.77	41.53	N	1.23	E	10	G		0.7	5	SPAIN	
14	12	41	52.0%	47.000	N	66.600	W	5	G	3.8		12	NEW BRUNSWICK, CANADA. <OTT-P>. mbLg 4.1 (OTT), 4.0 (GS). Felt at Bathurst, Bristol, Florenceville, Fredericton, Hartland and Woodstock.	
14	13	24	52.9	24.155	N	108.594	W	10	G	4.5	4.2	1.5	56	GULF OF CALIFORNIA
14	13	55	03.0*	16.766	S	167.309	E	33	N	4.2	0.8	10	VANUATU ISLANDS	
14	14	22	20.7%	39.601	N	29.404	E	10	G		0.7	5	TURKEY. ML 2.8 (ISK).	
14	14	32	17.4%	39.242	N	29.199	E	10	G		0.6	13	TURKEY. ML 3.4 (ISK).	
14	15	03	38.87	7.50	S	132.80	E	33	N	3.6	1.7	5	TANIMBAR ISLANDS REG., INDONESIA	
14	15	38	41.8	22.590	S	174.161	W	33	N	5.4	1.1	54	TONGA ISLANDS REGION	
14	15	45	52.4%	59.366	N	6.026	E	5	G		0.5	8	SOUTHERN NORWAY. MD 2.2 (BER).	
14	16	43	57.9*	31.658	S	69.534	W	107	?		0.8	13	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).	
14	17	32	18.8%	60.036	N	153.025	W	114				76	SOUTHERN ALASKA. <AEIC>.	
14	17	33	27.47	40.88	N	21.44	E	5	G		0.2	4	GREECE. ML 2.5 (THE).	
14	17	48	44.07	17.24	S	167.57	E	33	N	4.2	1.0	6	VANUATU ISLANDS	
14	17	58	33.1%	46.685	N	3.108	E	10	G		1.5	6	FRANCE. ML 1.5 (LDG).	
14	18	03	25.97	17.23	S	167.64	E	33	N	4.2	0.7	10	VANUATU ISLANDS	
14	18	17	20.27	35.45	N	2.50	W	10	G		0.2	4	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).	
a 14	18	38	09.8	55.403	N	163.814	W	167	D	5.2	1.0	342	UNIMAK ISLAND REGION. Mw 5.5 (HRV). mb 5.3 (BRK). Felt (IV) at King Cove; (III) at Akutan and Sand Point.	
14	19	53	56.77	6.05	S	150.41	E	70	?	4.0	1.6	5	NEW BRITAIN REGION, P.N.G.	
14	20	13	51.5*	28.070	N	55.489	E	33	N	4.6	0.5	45	SOUTHERN IRAN	
14	20	27	31.57	36.43	N	68.81	E	33	N	3.9	0.7	6	HINDU KUSH REGION, AFGHANISTAN	
14	20	55	02.07	34.00	S	71.46	W	33	N		0.4	6	NEAR COAST OF CENTRAL CHILE	
14	21	17	52.9	40.805	N	28.187	E	10	G		1.2	11	TURKEY. ML 3.5 (ISK). MD 3.4 (ATH).	
14	21	32	36.5%	34.629	N	116.611	W	4				8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).	
14	21	33	16.6%	61.391	N	147.176	W	10				69	SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.6 (PMR).	
14	21	45	48.5%	62.264	N	150.319	W	18				69	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).	
14	21	49	57.4*	38.183	N	21.360	E	33	N		0.7	11	GREECE. MD 3.4 (ATH). ML 3.2 (THE).	
14	21	58	21.5*	17.160	S	167.507	E	33	N	4.4	0.5	7	VANUATU ISLANDS	
14	22	09	33.9*	16.140	S	73.430	W	37	D	4.8	1.5	28	NEAR COAST OF PERU	
14	22	28	48.8%	60.743	N	150.989	W	44				70	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC), 2.9 (PMR).	
14	23	13	23.67	17.13	S	167.15	E	33	N	4.7	0.7	7	VANUATU ISLANDS	
14	23	17	38.0*	16.955	S	167.426	E	33	N	4.5	1.3	16	VANUATU ISLANDS	
15	00	08	18.3%	34.194	S	71.050	W	70	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).	
15	01	03	44.17	16.86	N	100.26	W	10	G		1.0	5	NEAR COAST OF GUERRERO, MEXICO	
15	02	00	44.9%	11.919	N	60.768	W	60	G		0.3	7	WINDWARD ISLANDS. MD 3.5 (TRN).	
15	02	17	14.2%	59.161	N	150.718	W	30				47	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC).	
15	05	02	13.3%	50.394	N	130.283	W	10	G	4.2		119	VANCOUVER ISLAND REGION. <PGC-P>.	
15	06	04	12.1*	39.667	N	20.065	E	10	G		1.3	11	GREECE-ALBANIA BORDER REGION. ML 2.9 (THE), 2.3 (TIR).	
15	06	11	16.47	40.85	N	22.85	E	5	G		0.1	4	GREECE. ML 1.8 (THE).	
15	07	58	55.6*	40.890	N	20.136	E	10	G		1.3	8	GREECE-ALBANIA BORDER REGION. ML 2.3 (TIR), 2.3 (THE).	
15	08	32	34.4*	16.845	S	167.246	E	33	N	4.8	1.2	22	VANUATU ISLANDS	

15	08 55 19.4	40.529 N	23.722 E	5 G	0.6	7	GREECE. ML 2.2 (THE).
15	09 30 55.8	34.219 N	118.549 W	16		9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS).
15	09 37 46.0	58.270 N	155.193 W	100		63	ALASKA PENINSULA. <AEIC>.
15	10 27 59.7	15.88 S	174.22 W	33 N 4.3	0.8	26	TONGA ISLANDS
15	10 49 12.8	36.877 N	9.138 W	10 G	1.1	24	WEST OF GIBRALTAR. mbLg 3.4 (MDD).
15	11 17 24.6	16.827 S	167.316 E	33 N 4.7	0.8	13	VANUATU ISLANDS
15	11 33 19.9	33.914 S	70.925 W	80 G	0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
15	11 49 32.2	38.65 N	28.43 W	5 G	0.1	4	AZORES ISLANDS. MG 3.0 (PDA).
15	11 50 42.3	38.64 N	28.44 W	5 G	0.2	4	AZORES ISLANDS. MG 3.1 (PDA).
15	12 37 30.9	42.69 N	23.49 E	10 G	0.6	7	BULGARIA. ML 3.1 (THE).
15	12 38 47.4	37.058 N	117.107 W	5 G	0.5	11	CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (GS).
15	13 11 49.6	16.585 S	167.380 E	28 D 5.0	1.2	41	VANUATU ISLANDS
15	13 14 48.4	22.24 S	68.73 W	84 ? 4.3	0.3	7	NORTHERN CHILE
15	13 30 10.6	10.29 N	125.24 E	33 N	0.5	4	LEYTE, PHILIPPINE ISLANDS
15	13 34 05.7	63.442 N	150.373 W	136		69	CENTRAL ALASKA. <AEIC>.
15	14 31 05.0	60.403 N	4.949 E	5 G	0.3	6	SOUTHERN NORWAY. MD 1.9 (BER).
15	14 37 27.3	38.080 N	27.525 E	10 G 3.4	1.5	8	TURKEY. MD 3.9 (ATH). ML 3.6 (ISK).
15	15 24 23.6	43.098 N	0.584 W	5 G	0.2	7	PYRENEES. ML 1.0 (STR).
15	15 27 20.4	18.450 S	167.290 E	33 N 4.4	1.2	17	VANUATU ISLANDS
15	15 43 28.5	7.13 S	126.75 E	338 ? 4.5	1.0	8	BANDA SEA
a 15	16 04 30.4	16.559 S	167.476 E	33 N 5.2 4.7	1.2	100	VANUATU ISLANDS. Mw 5.2 (HRV).
15	16 57 49.7	33.614 N	32.235 E	33 N	1.0	12	EASTERN MEDITERRANEAN SEA. ML 3.5 (ISK), 2.8 (CSS).
15	17 14 14.1	17.05 S	167.57 E	33 N 4.8	1.6	14	VANUATU ISLANDS
a 15	17 53 07.8	48.783 N	153.619 E	118 D 5.0	0.9	234	KURIL ISLANDS. Mw 5.3 (HRV).
15	17 53 41.6	18.281 S	168.083 E	29 D 4.7	0.9	23	VANUATU ISLANDS
15	18 02 30.9	33.799 S	179.041 W	33 N 5.1	1.2	27	SOUTH OF KERMADEC ISLANDS
15	18 07 54.4	32.70 S	71.51 W	33 N	1.3	11	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
15	18 19 02.0	40.754 N	29.952 E	10 G	0.3	7	TURKEY. ML 2.9 (ISK).
15	18 35 19.2	2.747 N	128.679 E	228 * 4.9	0.5	26	HALMAHERA, INDONESIA
15	19 20 43.3	16.722 S	167.240 E	33 N 5.0	1.0	26	VANUATU ISLANDS
15	20 02 31.1	40.444 N	23.558 E	5 G	0.5	6	GREECE. ML 2.0 (THE).
15	20 17 56.3	44.404 N	7.383 E	5 G	0.6	14	NORTHERN ITALY. ML 2.1 (GEN), 1.5 (LDG).
15	20 19 27.3	44.407 N	7.377 E	5 G	0.4	13	NORTHERN ITALY. ML 2.1 (GEN), 1.8 (LDG).
15	20 43 03.4	16.75 S	167.69 E	33 N	1.4	8	VANUATU ISLANDS
15	20 46 18.3	39.243 N	29.163 E	10 G	0.4	8	TURKEY. ML 3.0 (ISK).
15	20 58 01.6	39.234 N	29.175 E	10 G	0.5	12	TURKEY. ML 3.2 (ISK).
15	21 11 25.3	44.065 N	9.092 E	5 G	0.5	13	NORTHERN ITALY. ML 2.7 (LDG), 2.6 (GEN).
15	21 19 47.8	44.103 N	9.036 E	5 G	0.8	38	NORTHERN ITALY. ML 3.1 (LDG), 3.1 (GEN).
15	22 32 16.3	2.822 S	129.719 E	33 N 4.9	0.7	13	SERAM, INDONESIA
15	23 08 35.0	12.842 N	88.870 W	72 D 4.6	1.5	55	OFF COAST OF CENTRAL AMERICA. MD 5.3 (SSS). Felt (III) at San Salvador, El Salvador.
15	23 32 56.7	16.70 S	167.53 E	33 N 3.7	0.2	5	VANUATU ISLANDS
15	23 54 34.5	39.310 N	29.171 E	10 G 3.7	0.9	70	TURKEY. MD 4.0 (ATH). ML 3.8 (ISK).
16	00 06 05.5	39.273 N	29.194 E	10 G	0.8	10	TURKEY. ML 3.2 (ISK).
16	00 30 12.2	39.284 N	29.158 E	10 G	0.3	10	TURKEY. ML 3.1 (ISK).
16	00 31 10.0	39.276 N	29.144 E	10 G	0.4	7	TURKEY. ML 2.9 (ISK).
16	01 04 47.6	10.382 N	125.128 E	33 N 4.5 4.1	0.9	9	LEYTE, PHILIPPINE ISLANDS
16	01 18 31.6	39.282 N	29.200 E	10 G	0.6	6	TURKEY. ML 2.8 (ISK).
16	01 35 53.8	41.99 N	23.19 E	5 G	0.5	5	GREECE-BULGARIA BORDER REGION. ML 2.4 (THE).
16	01 37 35.3	39.26 N	29.17 E	10 G	0.5	4	TURKEY. ML 2.8 (ISK).
16	01 46 58.5	39.259 N	29.122 E	10 G	0.4	9	TURKEY. ML 3.1 (ISK).
16	02 12 09.1	5.581 S	151.842 E	33 N 5.0 4.4	0.8	60	NEW BRITAIN REGION, P.N.G.
16	02 22 16.4	33.188 N	115.604 W	4		8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.2 (GS).
16	03 09 16.3	40.808 N	27.446 E	9	1.0	29	TURKEY. ML 3.6 (ISK).
16	03 28 18.9	47.023 N	8.351 E	10 G	0.5	6	SWITZERLAND. ML 2.3 (LDG).
16	04 04 24.8	39.28 N	29.17 E	10 G	0.8	4	TURKEY. ML 2.8 (ISK).
16	04 38 13.8	32.44 S	71.85 W	33 N	0.5	11	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
16	05 17 30.8	43.374 N	19.184 E	10 G	0.5	9	NORTHWESTERN BALKAN REGION. MD 2.1 (TTG).
16	05 51 27.8	44.433 N	7.304 E	10 G	0.3	10	NORTHERN ITALY. ML 1.9 (GEN).
16	06 13 57.0	39.245 N	29.147 E	10 G	0.4	7	TURKEY. ML 2.9 (ISK).
16	06 32 55.4	36.244 N	120.805 W	8		58	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 2.9 (PAS), 2.8 (GS).
16	07 31 31.0	16.83 S	167.52 E	33 N	0.6	6	VANUATU ISLANDS
16	07 47 46.9	39.08 N	27.77 E	10 G	0.6	4	TURKEY. ML 2.8 (ISK).
16	08 01 32.6	40.310 N	124.567 W	20		35	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.3 (GM). ML 3.3 (BRK), 3.2 (GS).
16	08 48 22.9	17.36 S	167.74 E	33 N 3.9	0.6	6	VANUATU ISLANDS
16	08 53 34.1	18.46 N	107.35 W	33 N 3.6	1.3	13	OFF COAST OF JALISCO, MEXICO
16	08 57 43.7	36.439 N	21.270 E	81 ?	1.0	24	SOUTHERN GREECE
16	10 21 33.3	32.458 N	115.452 W	6 G		9	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.0 (PAS), 3.3 (GS). MD 3.2 (ECX).
16	10 22 35.7	32.456 N	115.454 W	6 G		23	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.1 (PAS), 3.2 (GS). MD 3.5 (ECX).
16	10 24 39.0	32.449 N	115.457 W	6 G		24	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.8 (PAS), 3.0 (GS). MD 3.1 (ECX).
16	10 52 24.1	46.590 N	0.599 E	10 G	1.0	18	FRANCE. ML 2.5 (LDG), 2.0 (STR).
16	10 53 59.6	38.03 N	27.48 E	5 G	0.5	6	TURKEY. ML 3.3 (ISK).
16	11 30 39.2	33.392 S	70.561 W	90 G	0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
16	12 40 36.9	39.286 N	29.203 E	10 G	0.4	5	TURKEY. ML 2.8 (ISK).
16	12 59 09.2	39.284 N	29.148 E	10 G	0.3	6	TURKEY. ML 2.8 (ISK).
16	14 00 44.1	62.764 N	148.883 W	10		66	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.1 (PMR).
16	14 26 00.8	7.289 S	129.665 E	171 ? 4.8	0.6	12	BANDA SEA
16	15 16 18.9	44.340 N	7.294 E	5 G	0.2	7	NORTHERN ITALY. ML 1.8 (GEN).
16	17 51 39.3	29.754 S	71.849 W	33 N 4.7 4.6	1.1	57	NEAR COAST OF CENTRAL CHILE
a 16	18 05 05.6	4.619 S	125.615 E	443 G 5.8	1.0	279	BANDA SEA. Mw 5.7 (GS), 5.6 (HRV). Depth from broadband displacement seismograms.
16	19 18 02.7	39.242 N	29.187 E	10 G	0.5	12	TURKEY. ML 3.3 (ISK).
16	19 41 36.8	32.54 S	71.97 W	10 G	0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
16	20 09 31.3	62.912 N	151.314 W	110		60	CENTRAL ALASKA. <AEIC>.
16	20 11 04.4	40.158 N	24.759 E	11	1.2	38	AEGEAN SEA. ML 3.8 (THE), 3.8 (ISK).
16	20 13 46.5	43.023 N	0.851 W	10 G	1.4	12	PYRENEES. MD 2.7 (BTH). mbLg 2.6 (MDD).
16	21 07 53.4	39.233 N	29.131 E	10 G	0.3	8	TURKEY. ML 2.9 (ISK).
16	21 30 32.1	38.282 N	20.329 E	10 G	1.7	13	GREECE. MD 3.3 (ATH).

16	21	30	45.6?	44.84	N	8.79	E	10	G	0.3	9	NORTHERN ITALY. ML 2.4 (GEN).		
16	23	03	53.5%	39.243	N	29.223	E	10	G	0.3	10	TURKEY. ML 3.1 (ISK).		
16	23	05	52.8?	34.35	S	70.72	W	100	G	0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).		
16	23	16	36.4*	6.932	S	154.433	E	33	N	4.5	0.4	6	SOLOMON ISLANDS	
16	23	41	40.1*	40.147	N	24.835	E	5	G	0.9	11	AEGEAN SEA. MD 3.2 (ATH). ML 3.1 (THE).		
17	00	23	16.0%	60.294	N	6.312	E	5	G	0.7	5	SOUTHERN NORWAY. MD 1.8 (BER).		
17	01	03	29.8?	16.92	N	119.58	E	18	D	4.6	1.5	30	LUZON, PHILIPPINE ISLANDS	
17	02	16	28.1%	34.077	N	116.731	W	9			7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).		
17	03	03	04.9*	7.555	S	129.796	E	162	?	4.6	0.8	14	BANDA SEA	
17	03	05	21.5%	34.786	N	116.295	W	4			27	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).		
17	03	06	45.3%	34.781	N	116.289	W	3			26	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).		
17	03	32	01.9*	16.650	S	167.265	E	33	N	0.8	15	VANUATU ISLANDS		
17	03	32	56.0*	22.225	S	67.192	W	178	*	4.4	1.2	21	CHILE-BOLIVIA BORDER REGION	
17	03	36	22.5%	69.703	N	142.446	W	20	G	4.3	54	NORTHERN ALASKA. <AEIC>. ML 4.3 (AEIC), 4.3 (PGC), 4.2 (PMR).		
a	17	04	42	41.9	5.941	S	107.515	E	314	5.1	1.2	120	JAWA, INDONESIA. Mw 5.2 (HRV).	
17	05	52	40.3*	52.050	N	174.444	W	27	D	4.2	1.2	19	ANDREANOF ISLANDS, ALEUTIAN IS.	
17	06	00	57.3*	18.956	S	69.371	W	108	D	4.8	1.2	69	NORTHERN CHILE	
17	06	48	48.0*	28.674	N	34.737	E	10	G		0.2	7	EGYPT	
17	06	51	05.3?	28.67	N	34.70	E	10	G		0.7	4	EGYPT	
17	07	12	46.2*	34.166	N	25.797	E	65	*	3.8	1.5	24	CRETE	
17	08	11	48.1?	39.10	N	27.58	E	10	G		0.3	4	TURKEY. ML 2.8 (ISK).	
17	08	44	01.3?	39.62	N	29.61	E	10	G		0.4	4	TURKEY. ML 2.7 (ISK).	
17	08	49	55.9?	44.09	N	9.02	E	10	G		0.3	6	NORTHERN ITALY. ML 2.1 (GEN).	
17	08	56	45.2	42.697	N	111.161	W	5	G		0.7	18	EASTERN IDAHO. ML 3.4 (GS), 3.8 (BUT).	
17	09	21	38.3%	45.042	N	7.338	E	10	G		0.6	6	NORTHERN ITALY. ML 2.2 (GEN).	
17	09	36	59.7*	37.510	N	7.565	W	10	G		1.4	6	PORTUGAL	
17	09	50	27.3%	60.463	N	153.353	W	170			68	SOUTHERN ALASKA. <AEIC>.		
17	09	57	05.5	38.932	N	20.571	E	10	G		1.1	12	GREECE	
17	10	25	06.4	41.709	N	19.767	E	10	G		1.1	16	ALBANIA. MD 3.0 (TTG). ML 2.7 (TIR).	
17	11	10	58.7?	44.12	N	9.06	E	10	G		0.3	7	NORTHERN ITALY. ML 2.5 (GEN).	
17	12	21	49.7	43.093	N	0.379	W	10	G		0.4	8	PYRENEES. ML 2.0 (LDG).	
17	12	23	03.6?	45.08	N	6.35	E	5	G		0.3	5	FRANCE. ML 1.7 (GEN).	
17	12	40	52.5?	18.39	N	122.69	E	33	N	4.1	1.5	7	LUZON, PHILIPPINE ISLANDS	
17	12	43	09.0*	3.470	N	126.685	E	77	*	4.9	0.9	26	TALAUD ISLANDS, INDONESIA	
17	13	58	13.9%	37.580	N	118.872	W	7				31	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).	
17	14	16	32.6?	31.46	S	71.73	W	33	N		0.3	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).	
17	14	20	31.3	53.963	N	164.090	W	39	D	4.7 4.2	1.1	87	UNIMAK ISLAND REGION	
17	14	48	22.3	43.077	N	0.416	W	10	G		0.5	9	PYRENEES. MD 2.3 (BTH). ML 2.2 (LDG).	
17	15	01	42.7%	40.036	N	27.765	E	10	G		0.6	10	TURKEY. ML 3.3 (ISK).	
17	15	18	05.4?	38.68	N	26.45	E	10	G		0.0	4	AEGEAN SEA. ML 3.1 (ISK).	
17	15	29	09.7%	34.234	N	118.591	W	18			63	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.4 (GS). Felt at Canoga Park, Santa Monica, Thousand Oaks, Woodland Hills and in much of the San Fernando Valley.		
17	16	02	20.8*	50.937	N	153.143	E	190	?	4.5	1.0	33	KURIL ISLANDS	
17	16	03	27.4%	34.138	S	70.827	W	90	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).	
17	17	35	33.6?	31.66	S	68.11	W	112	?		1.6	15	SAN JUAN PROVINCE, ARGENTINA	
17	17	40	48.3	29.149	N	81.371	E	29	D	5.0	0.7	60	NEPAL	
17	18	53	50.0*	32.383	S	69.552	W	140	G		0.4	11	MENDOZA PROVINCE, ARGENTINA. MD 3.7 (SAN).	
17	19	16	09.0%	40.305	N	124.534	W	21			23	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM).		
17	20	29	24.9?	36.01	N	3.42	W	10	G		0.0	4	STRAIT OF GIBRALTAR	
17	20	49	32.4	14.700	N	60.946	W	130	G		0.4	17	WINDWARD ISLANDS. MD 4.2 (TRN).	
17	20	54	48.9*	0.063	N	123.507	E	164	?	4.5	1.2	12	MINAHASSA PENINSULA, SULAWESI	
17	21	21	57.6%	44.387	N	7.370	E	5	G		0.2	8	NORTHERN ITALY. ML 1.9 (GEN).	
a	17	22	04	58.0	16.680	S	167.383	E	33	N	5.4 5.2	1.3	157	VANUATU ISLANDS. Mw 5.6 (HRV). Ms 5.3 (BRK).
17	22	11	46.4*	37.948	N	71.976	E	33	N	4.5	1.0	27	AFGHANISTAN-TAJIKISTAN BORD REG.	
17	22	19	54.6	40.253	N	24.498	E	10	G		1.0	17	AEGEAN SEA. ML 3.3 (THE).	
17	23	06	29.1	17.626	N	62.938	W	131		4.2	0.7	35	LEEWARD ISLANDS. MD 3.6 (TRN).	
17	23	56	03.5*	13.040	N	120.434	E	26	D	4.8	0.8	23	MINDORO, PHILIPPINE ISLANDS	
18	00	29	26.1*	32.502	S	71.101	W	54	?		0.3	12	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).	
18	00	31	11.6*	16.864	S	167.399	E	33	N		1.3	19	VANUATU ISLANDS	
18	00	51	10.3%	39.270	N	29.050	E	10	G		0.4	6	TURKEY. ML 2.8 (ISK).	
18	01	36	06.7*	58.856	N	145.640	W	10	G		1.0	19	GULF OF ALASKA. ML 2.5 (AEIC).	
a	18	02	24	38.7	29.573	S	177.318	W	38	D	5.4 5.5	1.1	193	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.7 (HRV). Ms 5.6 (BRK). Mo=7.0*10**17 Nm (PPT).
18	02	35	27.1?	44.12	N	9.06	E	10	G		0.2	7	NORTHERN ITALY. ML 2.2 (GEN).	
18	03	00	19.2%	44.306	N	7.303	E	5	G		0.4	6	NORTHERN ITALY. ML 1.8 (GEN).	
18	03	03	44.6%	54.581	N	153.248	W	19		3.9		43	SOUTH OF ALASKA. <AEIC>. ML 4.0 (AEIC).	
18	03	03	48.8%	60.207	N	153.314	W	143				75	SOUTHERN ALASKA. <AEIC>.	
18	04	30	15.0?	39.25	N	29.11	E	10	G		0.7	4	TURKEY. ML 2.8 (ISK).	
18	04	58	55.3	15.980	N	119.243	E	33	N	4.4	1.2	20	LUZON, PHILIPPINE ISLANDS	
18	05	24	21.2*	9.740	S	112.493	E	33	N	5.4 4.7	1.1	84	SOUTH OF JAWA, INDONESIA	
18	06	14	09.2?	7.18	S	130.05	E	232	*	4.5	0.9	7	TANIMBAR ISLANDS REG., INDONESIA	
18	07	03	05.8%	40.950	N	22.152	E	10	G		0.7	6	GREECE. ML 2.2 (THE).	
18	07	30	35.7?	39.21	N	27.60	E	10	G		0.4	4	TURKEY. ML 2.8 (ISK).	
18	07	34	52.3?	39.11	N	27.60	E	10	G		0.2	4	TURKEY. ML 2.8 (ISK).	
18	08	26	29.4?	37.36	N	30.08	E	10	G		0.3	4	TURKEY. ML 3.3 (ISK).	
18	09	27	02.6%	63.433	N	147.552	W	13				55	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).	
18	09	28	58.9*	6.991	S	103.045	E	20	D	4.9	1.1	25	SOUTHWEST OF SUMATERA, INDONESIA	
18	09	37	18.8*	6.608	N	125.868	E	107	*	4.7	0.7	14	MINDANAO, PHILIPPINE ISLANDS	
18	10	08	00.9%	40.808	N	30.152	E	10	G		0.5	5	TURKEY. ML 2.8 (ISK).	
18	10	42	35.7	51.233	N	178.053	W	33	N	4.5	1.1	48	ANDREANOF ISLANDS, ALEUTIAN IS.	
18	11	09	24.9*	17.219	S	167.258	E	27	D	4.8	1.4	38	VANUATU ISLANDS	
18	11	48	18.1?	39.26	N	27.78	E	10	G		0.4	4	TURKEY. ML 2.7 (ISK).	
18	12	18	01.7	45.207	N	10.549	E	12			1.1	28	NORTHERN ITALY. ML 2.9 (LDG), 2.8 (VIE), 2.2 (LJU).	
18	12	29	23.0	54.384	N	3.063	W	10	G		0.7	15	UNITED KINGDOM. ML 2.2 (BGS). Felt (III) at Coniston, Elterwater, Torver and Windermere.	
18	13	05	25.3?	39.24	N	27.79	E	10	G		0.2	4	TURKEY. ML 2.8 (ISK).	
18	13	58	42.7	20.977	S	178.722	W	574	D	5.1	1.0	132	FIJI ISLANDS REGION	
18	14	13	02.5*											

18	15	44	16.5*	38.713	N	20.435	E	10	G	4.8	1.5	148	GREECE. ML 4.4 (THE), 4.3 (TIR), 4.3 (TTG). MD 4.4 (ATH). Felt on Ithaki, Kefallinia and Levkas.
18	16	21	29.7*	13.924	S	167.189	E	210	*	4.7	1.3	46	VANUATU ISLANDS
a 18	16	33	59.8*	9.591	S	112.939	E	33	N	5.6 5.0	1.3	151	SOUTH OF JAWA, INDONESIA. Mw 5.5 (HRV).
18	16	43	35.9*	46.707	N	6.930	E	5	G		0.2	5	SWITZERLAND. ML 2.1 (LDG).
a 18	18	01	18.9?	29.54	S	177.49	W	138	?	5.0	1.5	25	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.3 (HRV).
18	18	08	34.6?	47.30	N	11.31	E	10	G		0.1	4	AUSTRIA. ML 0.6 (VIE).
18	18	14	34.5*	15.618	S	71.513	W	230	?		0.8	6	SOUTHERN PERU
18	18	15	41.7	1.363	S	77.832	W	173		4.5	0.8	67	ECUADOR. MD 4.7 (QUI). Felt (II) at Guayaquil.
18	18	28	51.6*	48.939	N	129.372	W	10	G	3.2		38	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.6 (PGC).
18	20	06	21.6?	7.46	S	129.72	E	206	?	4.6	0.9	7	BANDA SEA
18	21	19	25.7*	36.769	N	70.988	E	170	*	4.2	0.6	21	HINDU KUSH REGION, AFGHANISTAN
a 18	21	52	41.9*	30.102	S	176.973	W	33	N	5.2	1.4	38	KERMADEC ISLANDS REGION. Mw 5.1 (HRV). Felt on Raoul Island.
18	22	45	11.9*	40.304	N	124.528	W	21				27	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
19	00	00	02.7	15.704	N	147.755	E	37	D	5.1 4.1	1.0	83	MARIANA ISLANDS REGION
19	00	07	01.8*	38.270	N	122.075	W	9				9	NORTHERN CALIFORNIA. <BRK>. ML 1.9 (BRK). Felt at Fairfield.
19	00	34	59.2*	33.187	N	115.601	W	8				11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.1 (GS).
19	00	40	52.1*	3.071	S	129.969	E	33	N	4.5	1.0	8	SERAM, INDONESIA
19	01	04	22.0*	33.152	S	70.320	W	10	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
19	01	06	56.6	42.336	N	21.478	E	10	G		1.4	20	NORTHWESTERN BALKAN REGION. ML 3.0 (TTG), 2.8 (TIR), 2.3 (SKO).
19	03	02	19.9*	63.867	N	149.012	W	115				76	CENTRAL ALASKA. <AEIC>.
19	03	06	17.5?	27.26	S	175.20	W	33	N	4.6	1.6	6	KERMADEC ISLANDS REGION
19	04	05	49.2*	37.563	N	71.958	E	33	N	4.8	0.6	19	AFGHANISTAN-TAJIKISTAN BORD REG.
19	04	30	34.4?	32.33	S	71.85	W	10	G		0.4	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
19	05	31	51.3	7.387	S	119.771	E	434		5.1	0.7	32	FLORES SEA
19	07	15	19.6?	38.86	N	26.98	E	10	G		1.2	4	AEGEAN SEA. ML 2.8 (ISK).
19	07	21	02.3?	39.53	N	25.51	E	10	G		0.5	6	AEGEAN SEA. ML 3.2 (ISK).
19	07	35	35.2*	39.094	N	27.656	E	10	G		0.4	5	TURKEY. ML 2.7 (ISK).
19	08	19	50.1?	39.11	N	27.77	E	10	G		0.5	4	TURKEY. ML 2.8 (ISK).
19	08	26	18.9*	62.279	N	151.607	W	96				71	CENTRAL ALASKA. <AEIC>.
19	09	18	08.1*	37.765	N	25.398	W	10	G		0.1	5	AZORES ISLANDS
19	10	34	14.8	41.211	N	22.829	E	5	G		0.8	10	NORTHWESTERN BALKAN REGION. ML 2.4 (THE), 2.0 (SKO).
19	11	25	23.9?	39.19	N	27.78	E	10	G		0.9	4	TURKEY. ML 2.7 (ISK).
19	11	34	45.3?	31.90	S	71.73	W	10	G		0.4	11	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
a 19	11	59	44.5	23.438	S	175.470	W	50	D	5.3 5.7	1.3	118	TONGA ISLANDS REGION. Mw 5.6 (HRV). Ms 5.6 (BRK). Mo=3.3*10**17 Nm (PPT).
19	13	31	55.8*	16.108	N	61.508	W	10	G		0.8	5	LEEWARD ISLANDS. ML 2.6 (FDF).
19	13	38	34.4*	62.557	N	148.720	W	54				55	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
19	15	30	16.9?	44.13	N	8.38	E	10	G		0.6	10	NORTHERN ITALY. ML 2.5 (LDG), 1.8 (STR).
19	15	38	57.9*	41.486	N	6.863	W	10	G		0.8	6	PORTUGAL
19	16	18	34.8	10.198	N	125.195	E	20	D	5.3	1.1	134	LEYTE, PHILIPPINE ISLANDS
19	16	32	08.9*	61.454	N	150.025	W	36				65	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 2.8 (PMR).
19	16	47	38.2	45.874	N	16.033	E	5	G		0.7	12	NORTHWESTERN BALKAN REGION. MD 3.2 (LJU), 2.9 (TRI). Felt (V) at Sestete, Croatia.
19	17	03	39.1*	40.703	N	29.929	E	10	G		0.4	7	TURKEY. ML 2.8 (ISK).
19	17	09	44.8*	40.703	N	27.465	E	10	G		0.7	7	TURKEY. ML 2.8 (ISK).
19	17	37	53.3	47.661	N	7.467	E	10	G		0.4	6	SWITZERLAND. ML 1.9 (LDG), 1.7 (STR).
19	18	43	23.8	44.168	N	12.123	E	10	G		1.1	23	NORTHERN ITALY. ML 3.3 (VIE), 3.1 (LDG), 2.7 (LJU). MD 3.2 (TRI).
19	18	58	52.9*	40.689	N	29.942	E	10	G		0.2	6	TURKEY. ML 2.8 (ISK).
20	00	43	38.8*	15.019	N	94.434	W	33	N		1.0	10	NEAR COAST OF OAXACA, MEXICO
20	01	58	08.6	35.283	N	141.123	E	33	N	4.5 4.0	1.2	51	NEAR EAST COAST OF HONSHU, JAPAN
20	03	11	43.9*	39.746	N	29.070	E	10	G		0.4	8	TURKEY. ML 2.8 (ISK).
20	04	19	19.5	40.707	N	27.475	E	10	G		0.5	11	TURKEY. ML 3.3 (ISK).
20	04	25	17.3*	40.693	N	27.492	E	10	G		0.7	5	TURKEY. ML 2.8 (ISK).
20	04	31	56.0	35.687	N	140.227	E	77		4.5	0.4	17	NEAR EAST COAST OF HONSHU, JAPAN
a 20	04	52	59.0	7.025	S	156.765	E	33	N	5.0 4.9	1.2	83	SOLOMON ISLANDS. Mw 5.5 (HRV). Ms 4.8 (BRK).
20	05	30	17.4*	40.614	N	28.003	E	10	G		1.6	5	TURKEY. ML 2.7 (ISK).
20	06	56	19.3?	16.57	S	167.46	E	33	N	4.4	1.7	6	VANUATU ISLANDS
20	08	12	41.0?	17.16	S	167.85	E	33	N	4.2	0.9	6	VANUATU ISLANDS
20	09	08	04.6?	34.50	S	71.41	W	70	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
20	09	26	13.6*	7.335	S	154.463	E	33	N	4.8	1.5	15	SOLOMON ISLANDS
20	11	16	29.3*	59.838	N	151.607	W	58				42	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
20	11	34	47.7*	34.348	N	118.553	W	15				12	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.7 (GS).
20	12	23	31.7*	41.861	N	23.176	E	5	G		1.2	8	GREECE-BULGARIA BORDER REGION. ML 2.3 (THE).
20	14	21	26.9?	16.93	S	167.46	E	33	N	4.4	0.9	11	VANUATU ISLANDS
20	14	54	20.3?	39.71	N	29.50	E	10	G		0.7	6	TURKEY. ML 2.8 (ISK).
20	15	31	19.7*	41.254	N	22.826	E	10	G		0.2	5	NORTHWESTERN BALKAN REGION. ML 1.8 (THE).
20	15	56	39.4	40.221	N	25.251	E	10	G	3.7	0.9	53	AEGEAN SEA. MD 4.1 (ATH). ML 4.0 (ISK), 4.0 (THE).
20	16	50	15.8?	9.92	S	112.24	E	33	N	4.5	1.4	9	SOUTH OF JAWA, INDONESIA
20	17	41	40.7*	44.237	N	11.994	E	10	G		1.3	27	NORTHERN ITALY. ML 3.2 (LDG), 3.2 (VIE).
20	17	51	55.5*	50.772	N	176.197	E	33	N	4.3	0.9	13	RAT ISLANDS, ALEUTIAN ISLANDS
20	17	52	25.7*	44.465	N	6.892	E	5	G		0.3	6	FRANCE. ML 2.0 (GEN).
20	18	01	36.2	50.379	N	3.956	E	5	G		0.7	23	BELGIUM. ML 3.1 (LDG), 3.1 (STR).
20	18	01	55.9	50.295	N	4.001	E	5	G		1.0	35	BELGIUM. ML 3.5 (LDG), 3.4 (BNS), 3.1 (UCC).
20	18	02	11.4?	35.89	S	179.32	W	33	N	4.7	1.6	14	EAST OF NORTH ISLAND, N.2.
20	18	31	46.9	46.371	N	7.700	E	5	G		0.4	18	SWITZERLAND. ML 2.5 (LDG).
20	20	22	48.5?	32.45	S	179.56	W	311	?	4.6	1.3	29	SOUTH OF KERMADEC ISLANDS
20	21	22	35.5*	32.677	S	71.576	W	10	G		0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
20	22	16	45.3*	33.899	N	117.868	W	4				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
20	22	21	33.2*	59.198	N	152.519	W	93				42	SOUTHERN ALASKA. <AEIC>.
20	22	58	33.1?	32.57	S	71.66	W	10	G		0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
20	23	21	02.9	44.346	N	7.471	E	5	G		0.3	20	NORTHERN ITALY. ML 2.2 (GEN), 2.0 (LDG).
21	00	44	30.8	42.526	N	1.089	E	10	G		0.4	11	PYRENEES. ML 2.4 (LDG), 2.4 (STR).
21	01	11	04.5	44.246	N	11.946	E	10	G		0.8	20	NORTHERN ITALY. ML 3.3 (VIE), 3.1 (LDG).
21	02	51	03.9	45.972	N	148.896	E	181	*	4.4	0.9	47	KURIL ISLANDS
21	02	59	34.1*	11.683	N	60.558	W	33	N		0.5	7	WINDWARD ISLANDS. MD 3.2 (TRN).
21	03	20	13.5?	18.15	S	178.83	W	640	G	4.5	0.9	12	FIJI ISLANDS REGION
21	04	05	51.5*	39.584	N	23.513	E	21	*		1.0	9	AEGEAN SEA. ML 2.4 (THE).
21	05	13	18.9*	16.998	S	167.199	E	33	N	4.9	1.2	28	VANUATU ISLANDS

21	05	13	51.5	45.483 N	20.919 E	33 N	4.0	0.9	15	NORTHWESTERN BALKAN REGION
21	05	22	16.9	57.117 N	145.911 W	10 G		0.6	25	GULF OF ALASKA. ML 3.2 (AEIC).
21	05	59	33.8	47.389 N	10.638 E	10		1.1	34	AUSTRIA. ML 3.2 (GRF), 3.0 (FUR), 3.0 (STR), 3.0 (LDG), 2.8 (VIE). Felt (IV) at Elmen.
21	06	38	32.7	41.271 N	22.355 E	5 G		0.5	11	NORTHWESTERN BALKAN REGION. ML 2.3 (THE), 2.2 (SKO).
21	07	04	40.0	9.136 S	123.697 E	57 ?	4.8	0.5	19	TIMOR REGION, INDONESIA
21	07	27	21.3	24.003 S	175.191 W	33 N	5.0 4.7	1.3	22	SOUTH OF TONGA ISLANDS
21	07	52	49.1?	39.11 N	27.62 E	10 G		0.5	4	TURKEY. ML 2.8 (ISK).
21	07	58	23.7?	39.12 N	27.63 E	10 G		0.3	4	TURKEY. ML 2.8 (ISK).
21	08	15	48.5	40.624 N	28.840 E	10 G		0.2	8	TURKEY. ML 2.9 (ISK).
21	08	51	52.6?	39.09 N	27.74 E	10 G		0.1	4	TURKEY. ML 2.9 (ISK).
21	09	53	35.3?	37.46 N	71.37 E	33 N	3.8	0.5	8	AFGHANISTAN-TAJIKISTAN BORD REG.
21	09	54	15.3*	43.909 N	7.820 E	5 G		0.5	8	NEAR SOUTH COAST OF FRANCE. ML 2.1 (GEN).
21	10	25	47.8*	45.293 N	14.821 E	5 G		0.5	5	NORTHWESTERN BALKAN REGION. ML 2.5 (LJU).
21	10	55	47.8*	40.692 N	123.661 W	27			30	NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.5 (GS), 3.2 (BRK). Felt (II) in the Eureka area.
21	11	46	04.8	1.680 S	135.470 E	33 N	5.1	1.3	38	IRIAN JAYA REGION, INDONESIA
21	11	50	13.5?	39.24 N	27.73 E	10 G		0.8	4	TURKEY. ML 2.8 (ISK).
21	12	16	03.4	43.332 N	0.889 W	10 G		0.9	28	PYRENEES. mbLg 3.3 (MDD). ML 3.2 (LDG). Felt (III) in the Arette area, France.
21	12	39	08.9*	62.303 N	124.434 W	10 G			8	NORTHWEST TERRITORIES, CANADA. <PGC-P>. ML 3.4 (PGC).
21	12	51	50.0?	10.42 N	60.58 W	80 G		1.0	7	TRINIDAD. MD 3.3 (TRN).
21	12	54	12.8?	20.41 S	177.06 W	500 G	4.5	0.8	7	FIJI ISLANDS REGION
21	12	57	35.5*	60.536 N	147.822 W	17			51	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.2 (PMR).
21	13	51	47.4?	9.88 S	124.70 E	33 N	3.9	1.1	5	TIMOR REGION, INDONESIA
21	14	02	01.5*	36.157 N	117.855 W	6			8	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.6 (PAS), 2.9 (GS).
21	14	26	56.6?	31.92 S	71.51 W	100 G		0.9	10	NEAR COAST OF CENTRAL CHILE
21	15	43	01.6?	51.51 N	7.08 E	10 G		0.2	4	GERMANY. ML 2.2 (UCC).
21	15	49	22.2*	39.627 N	23.595 E	10 G		0.7	8	AEGEAN SEA. ML 2.1 (THE).
21	15	52	44.3	9.664 S	112.836 E	23 D	5.3	1.0	45	SOUTH OF JAWA, INDONESIA
21	17	01	51.1?	18.51 S	169.03 E	210 ?	4.7	0.8	17	VANUATU ISLANDS
21	17	15	25.4	45.921 N	15.690 E	10 G		0.6	9	NORTHWESTERN BALKAN REGION. MD 2.8 (LJU), 2.6 (TRI). Felt (IV) at Brezice and Dobova, Slovenia. Also felt (IV) at Zapresic, Croatia.
21	17	24	42.9*	44.551 N	7.250 E	10 G		0.3	11	NORTHERN ITALY. ML 2.1 (GEN).
21	18	01	01.9*	33.646 N	31.827 E	10 G		0.5	10	EASTERN MEDITERRANEAN SEA
a 21	18	36	31.7	42.340 N	132.865 E	471 G	6.5	0.9	833	NEAR SOUTHEAST COAST OF RUSSIA. Mw 7.3 (GS), 7.3 (HRV). mb 6.6 (BRK). Mo=5.4*10**19 Nm (PPT). Felt (III JMA) at Onahama and Tokyo; (II JMA) at Aomori, Sapporo, and Yokohama; (I JMA) at Tottori, Japan. Two events about 3.6 seconds apart. Depth from broadband displacement seismograms, based on first event.
21	18	44	52.8*	29.889 N	35.389 E	10 G		0.4	6	WESTERN ARABIAN PENINSULA
a 21	18	55	58.8	41.253 N	132.310 E	514 D	5.8	0.8	447	SEA OF JAPAN
21	19	57	17.7	29.871 N	35.155 E	17 *		0.8	9	WESTERN ARABIAN PENINSULA
21	20	07	26.6?	45.42 N	7.02 E	10 G		0.4	4	NORTHERN ITALY. ML 1.9 (GEN).
21	20	21	43.3?	70.61 N	16.23 E	10 G		1.0	6	NORWEGIAN SEA. MD 3.2 (BER).
21	20	39	00.5	41.179 N	20.039 E	5 G		0.6	11	ALBANIA. ML 2.6 (THE), 2.5 (TIR).
21	21	30	06.9?	2.38 S	130.38 E	33 N	4.3	1.1	10	SERAM, INDONESIA
21	21	32	40.1	40.393 N	143.795 E	33 D	4.7	1.0	56	OFF EAST COAST OF HONSHU, JAPAN
21	21	48	12.1*	32.826 S	71.634 W	10 G		0.9	13	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
21	22	40	03.4	44.596 N	7.215 E	13 *		0.5	6	NORTHERN ITALY. ML 1.9 (GEN).
21	22	57	50.7*	33.973 N	118.439 W	12			10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.6 (GS).
21	23	18	30.7*	33.661 S	70.922 W	70 G		0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
21	23	57	48.7?	34.15 N	30.85 E	10 G		1.0	17	EASTERN MEDITERRANEAN SEA. ML 3.5 (ISK).
22	00	45	10.7?	64.67 N	20.53 W	10 G	4.2	0.9	20	ICELAND
22	01	00	57.6*	39.815 N	23.463 E	5 G		0.3	8	AEGEAN SEA. ML 2.1 (THE).
22	01	23	46.7*	58.383 N	152.529 W	35	3.8		70	KODIAK ISLAND REGION. <AEIC>. ML 3.7 (AEIC), 4.0 (PMR).
22	01	47	18.3*	24.052 S	66.810 W	201 ?	4.0	1.2	11	SALTA PROVINCE, ARGENTINA
22	02	35	24.2?	10.44 S	161.36 E	81 ?	4.7	0.9	9	SOLOMON ISLANDS
22	04	08	58.0	44.243 N	11.917 E	5 G		0.5	16	NORTHERN ITALY. ML 3.1 (VIE), 2.9 (LDG).
22	05	09	42.8	50.881 N	2.635 E	10 G		0.8	21	FRANCE. ML 2.7 (LDG).
22	05	20	18.9*	37.050 N	4.211 W	10 G		0.6	10	SPAIN. mbLg 2.8 (MDD).
22	06	33	34.0*	18.251 S	177.975 W	520 *	4.2	1.0	29	FIJI ISLANDS REGION
22	07	03	44.8*	48.860 N	125.468 W	33			40	VANCOUVER ISLAND REGION. <PGC-P>. ML 2.6 (PGC).
22	08	14	52.1	24.069 S	176.883 W	131 ?	4.7	0.8	65	SOUTH OF FIJI ISLANDS
22	08	41	16.6?	39.22 N	27.74 E	10 G		0.3	4	TURKEY. ML 2.8 (ISK).
22	08	46	38.8	5.098 S	148.055 E	23	4.9	1.1	51	NEW BRITAIN REGION, P.N.G. ML 5.1 (PMG).
22	08	50	11.9*	60.478 N	146.311 W	9			38	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 2.8 (PMR).
22	08	57	17.9?	39.05 N	27.78 E	10 G		0.1	4	TURKEY. ML 2.7 (ISK).
22	09	09	13.4	37.767 N	6.627 W	10 G		0.9	7	SPAIN. MG 3.0 (SFS).
22	09	11	12.6*	39.639 N	29.432 E	10 G		0.7	6	TURKEY. ML 2.8 (ISK).
22	09	13	59.7*	39.679 N	29.497 E	10 G		0.6	6	TURKEY. ML 2.8 (ISK).
22	09	22	11.6*	39.253 N	29.198 E	5 G		0.3	7	TURKEY. ML 2.9 (ISK).
22	09	56	58.9*	47.631 N	122.082 W	7			28	WASHINGTON. <SEA-P>. MD 3.1 (SEA). Felt.
22	10	25	56.2	44.116 N	12.231 E	10 G		0.9	22	NORTHERN ITALY. ML 3.4 (GRF), 3.3 (VIE), 3.2 (LDG). MD 3.3 (TRI).
22	10	50	02.1	21.115 N	45.757 W	33 N	4.7	0.7	48	NORTHERN MID-ATLANTIC RIDGE
22	11	19	29.8?	69.08 N	30.14 E	10 G		0.9	4	NORWAY-RUSSIA BORDER REGION. MD 2.8 (BER).
22	11	27	53.2?	36.67 N	3.56 W	10 G		0.1	4	STRAIT OF GIBRALTAR
22	11	36	22.6	12.182 S	123.431 E	33 N	3.9	0.7	5	SOUTH OF TIMOR, INDONESIA
22	12	31	35.9*	48.889 N	128.677 W	10 G			11	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.1 (PGC).
22	12	41	29.7*	42.442 N	24.021 E	5 G		0.9	8	BULGARIA. ML 2.7 (THE).
22	13	34	09.5?	39.67 N	29.47 E	5 G		0.4	4	TURKEY. ML 2.7 (ISK).
22	15	59	23.8	41.200 N	21.966 E	5 G		0.5	10	NORTHWESTERN BALKAN REGION. ML 2.3 (SKO).
a 22	16	57	48.4	7.777 S	158.417 E	19 G	5.9 5.9	1.0	336	SOLOMON ISLANDS. Mw 5.8 (GS), 6.0 (HRV). Ms 5.9 (BRK). Two events about 1.5 seconds apart. Depth from broadband displacement seismograms, based on first event.
22	17	30	16.7*	38.111 N	26.465 W	10 G		0.4	7	AZORES ISLANDS
22	18	05	49.5*	18.554 N	66.196 W	33 N		0.9	5	PUERTO RICO REGION
22	18	31	50.8*	28.424 N	52.619 E	33 N		1.4	5	SOUTHERN IRAN

22	18	37	33.28	60.308	N	152.867	W	113							53	SOUTHERN ALASKA. <AEIC>.	
22	19	18	42.7*	13.768	N	144.517	E	135		4.9		0.8			13	MARIANA ISLANDS	
22	19	32	38.97	31.74	S	70.90	W	80	G			0.3			10	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).	
22	19	50	22.0*	31.683	S	67.730	W	10	G			0.8			11	SAN JUAN PROVINCE, ARGENTINA. MD 4.4 (SAN).	
22	20	55	09.18	11.160	N	61.250	W	33	N			0.8			5	WINDWARD ISLANDS. MD 2.7 (TRN).	
22	21	01	13.4*	17.011	N	121.572	E	43	*	3.7		0.9			7	LUZON, PHILIPPINE ISLANDS	
22	22	22	56.6	40.458	N	26.225	E	25				0.8			34	TURKEY. ML 4.0 (ATH), 3.8 (ISK), 3.7 (THE).	
22	22	36	08.8*	21.034	S	179.081	W	644	*	4.3		0.6			50	FIJI ISLANDS REGION. mb 4.3 (BRK).	
22	22	44	08.6	43.329	N	126.846	W	10	G	4.0		0.6			54	OFF COAST OF OREGON	
22	22	44	09.08	44.101	N	8.036	E	5	G			0.4			6	NORTHERN ITALY. ML 1.7 (GEN).	
22	22	44	18.3*	17.646	S	173.084	W	33	N	4.9	5.1	1.3			67	TONGA ISLANDS. Ms 5.0 (BRK).	
22	22	45	34.4*	51.465	N	15.768	E	10	G			1.1			6	POLAND. ML 3.2 (VIE).	
22	22	47	43.17	2.45	S	151.48	E	33	N	5.0		1.3			6	NEW IRELAND REGION, P.N.G.	
22	23	47	15.3	79.194	N	3.686	E	10	G	4.7	4.0	1.0			102	GREENLAND SEA	
23	00	07	50.57	40.63	N	30.43	E	10	G			0.4			5	TURKEY. ML 2.8 (ISK).	
23	03	20	30.3*	37.053	N	20.118	E	5	G	3.6		1.2			25	IONIAN SEA. ML 3.8 (ATH), 3.8 (THE).	
23	03	28	42.27	5.71	S	145.82	E	31	?	3.4		0.8			5	EASTERN NEW GUINEA REG., P.N.G.	
23	03	37	22.3	45.892	N	15.666	E	10	G			0.2			9	NORTHWESTERN BALKAN REGION. MD 2.9 (LJU), 2.7 (TRI). Felt (IV) at Brezice and Kapele, Slovenia.	
a	23	04	05	15.97	42.87	N	28.16	E	10	G			0.9			5	BLACK SEA. ML 3.4 (ISK).
23	04	38	43.5	1.031	S	97.475	E	32	D	5.2		0.8			110	SOUTHWEST OF SUMATERA, INDONESIA. Mw 5.1 (HRV).	
23	04	48	34.07	42.53	N	8.20	W	10	G			0.7			4	SPAIN. mbLg 2.8 (MDD).	
23	05	04	21.88	34.055	S	70.113	W	10	G			0.4			11	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).	
23	05	12	07.88	34.791	N	116.294	W	4							38	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.1 (GS).	
23	05	55	43.4	15.502	N	94.049	W	36		4.7	4.3	0.9			71	NEAR COAST OF OAXACA, MEXICO	
23	06	27	51.58	61.209	N	152.038	W	107							65	SOUTHERN ALASKA. <AEIC>.	
23	07	08	14.0	37.438	N	54.413	E	31	D	4.9		1.1			76	TURKMENISTAN-IRAN BORDER REGION. Felt at Gorgan, Iran.	
a	23	07	22	05.5	16.714	N	61.367	W	68		5.4		0.8			325	LEEWARD ISLANDS. Mw 5.5 (HRV). MD 5.8 (TRN). Felt on Antigua.
23	07	23	21.7*	38.219	N	19.977	E	10	G	3.6		1.2			14	IONIAN SEA. ML 3.7 (ATH), 3.4 (THE).	
23	07	36	30.18	40.321	N	124.468	W	8							31	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.3 (GM). ML 3.2 (BRK).	
23	08	02	18.8	38.227	N	23.903	E	10	G			0.8			10	GREECE. ML 3.0 (THE), 2.7 (ATH).	
23	08	46	08.18	16.796	N	61.190	W	10	G			0.5			6	LEEWARD ISLANDS. ML 2.4 (FDF).	
23	09	44	09.3*	15.091	N	94.438	W	61	*	3.9		1.2			19	NEAR COAST OF OAXACA, MEXICO	
23	09	49	10.37	16.22	N	94.40	W	10	G			1.1			4	OAXACA, MEXICO	
23	09	52	40.98	40.322	N	124.471	W	8							30	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK).	
23	10	10	35.5	41.165	N	20.024	E	10	G			1.0			7	ALBANIA. ML 2.4 (TIR).	
23	10	46	52.57	36.54	N	28.64	E	33	N			1.2			4	DODECANESE ISLANDS. ML 3.1 (ISK).	
23	10	55	56.98	60.166	N	153.120	W	109							49	SOUTHERN ALASKA. <AEIC>.	
23	11	29	45.88	34.293	N	118.461	W	9							10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.5 (GS).	
23	11	42	41.57	15.23	S	172.98	W	33	N	4.1		0.8			14	SAMOA ISLANDS REGION	
23	12	04	36.7	18.542	S	175.431	W	242	D	4.9		0.8			49	TONGA ISLANDS	
a	23	12	58	01.2	15.788	S	173.030	W	41	D	5.3	5.6	1.0			173	TONGA ISLANDS. Mw 5.9 (HRV). Ms 5.6 (BRK). Mo=1.4*10**18 Nm (PPT).
23	13	13	38.8*	51.496	N	15.844	E	10	G			0.7			6	POLAND	
23	13	39	56.4*	16.792	S	167.036	E	33	N	5.1	5.2	1.4			90	VANUATU ISLANDS	
23	13	43	34.7	57.887	N	142.881	W	10	G			0.7			37	GULF OF ALASKA. ML 3.0 (AEIC).	
23	14	28	22.68	65.733	N	145.515	W	22							17	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).	
23	15	15	19.78	61.434	N	150.001	W	39							55	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).	
23	15	34	53.4	47.712	N	6.020	E	5	G			0.5			17	FRANCE. ML 2.9 (LDG), 2.5 (STR).	
23	17	59	23.7	8.236	N	127.231	E	46		5.0	4.6	1.1			70	PHILIPPINE ISLANDS REGION	
23	18	08	08.67	21.47	S	179.30	W	624	?	4.8		1.1			13	FIJI ISLANDS REGION	
23	19	53	06.8*	16.792	S	167.384	E	33	N	5.0		1.0			43	VANUATU ISLANDS	
a	23	19	57	20.58	33.830	S	70.690	W	80	G		0.2			10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).	
23	20	57	59.0	31.068	N	86.549	E	16	D	5.1	5.0	1.0			208	XIZANG. Mw 5.4 (HRV).	
23	21	46	56.3	39.217	N	23.359	E	5	G			1.0			12	AEGEAN SEA. ML 3.0 (THE), 3.0 (ATH).	
23	23	17	09.9*	35.275	N	4.003	W	10	G			1.4			8	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).	
23	23	41	45.8	44.418	N	7.312	E	10	G			0.5			22	NORTHERN ITALY. ML 2.2 (GEN), 1.9 (LDG).	
23	23	47	55.9*	2.984	N	128.573	E	237	*	4.7		0.8			13	HALMAHERA, INDONESIA	
23	23	49	10.3	42.968	N	17.848	E	10	G			0.8			12	ADRIATIC SEA. ML 2.7 (TTG).	
24	00	45	21.08	36.913	N	2.519	W	10	G			0.9			15	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD). Felt (III) in the Gador area, Spain.	
24	01	59	10.6	47.710	N	6.026	E	5	G			0.6			14	FRANCE. ML 2.5 (LDG).	
24	02	01	18.48	40.594	N	27.527	E	10	G			0.6			9	TURKEY. ML 3.1 (ISK).	
24	02	20	27.1*	6.474	S	130.290	E	192	?	4.8		0.8			15	BANDA SEA	
24	02	32	06.9*	7.323	S	127.956	E	108	?	5.0		0.6			13	BANDA SEA	
24	03	53	43.78	60.814	N	150.949	W	49							56	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).	
24	04	17	14.37	11.49	N	86.60	W	33	N	4.3		1.1			28	NEAR COAST OF NICARAGUA	
24	04	55	47.0*	34.493	S	178.706.											

24	16	22	04.8*	29.748	N	131.129	E	33	N	3.8	0.6	10	SOUTHEAST OF RYUKYU ISLANDS
24	17	47	00.0?	16.89	N	61.06	W	33	N		0.3	4	LEEWARD ISLANDS
a 24	17	55	40.3	16.966	S	167.574	E	21	D	5.9 6.5	1.3	334	VANUATU ISLANDS. Mw 6.3 (GS), 6.4 (HRV). Ms 6.6 (BRK). Mo=2.7*10**18 Nm (PPT). Complex event observed on broadband displacement seismograms.
24	18	19	58.7*	17.154	S	167.423	E	33	N	4.8	1.3	42	VANUATU ISLANDS
24	20	35	09.0	18.333	N	71.263	W	33	N	4.9	0.9	124	DOMINICAN REPUBLIC REGION
a 24	20	37	52.4*	16.984	S	167.388	E	33	N	4.9 4.9	1.1	46	VANUATU ISLANDS. Mw 5.3 (HRV).
24	21	27	19.7*	17.110	S	167.588	E	33	N	4.7	0.8	21	VANUATU ISLANDS
a 24	21	57	27.4	10.654	S	113.269	E	34	D	6.0	1.1	199	SOUTH OF JAWA, INDONESIA. Mw 5.4 (HRV).
24	22	11	49.5*	4.616	S	107.558	E	33	N	5.0	1.4	13	JAVA SEA
24	22	34	36.7*	42.803	N	84.605	E	33	N	4.5	0.9	18	NORTHERN XINJIANG, CHINA
24	23	08	36.2?	7.74	S	128.59	E	164	*	4.8	0.9	10	BANDA SEA
24	23	38	57.8*	10.014	S	112.545	E	33	N	4.4	1.2	7	SOUTH OF JAWA, INDONESIA
24	23	39	06.6	25.018	N	92.641	E	33	N	4.7	0.8	47	INDIA-BANGLADESH BORDER REGION. Felt in the Silchar area, India.
25	00	18	56.4	45.239	N	5.850	E	5	G		0.7	36	FRANCE. ML 2.6 (LDG), 2.6 (STR).
25	00	45	31.0	11.063	S	113.048	E	10	G	5.0	0.7	18	SOUTH OF JAWA, INDONESIA
25	01	53	24.2?	39.53	N	27.58	E	10	G		0.0	4	TURKEY. ML 3.1 (ISK).
25	01	56	13.5&	60.465	N	151.894	W	71				66	KENAI PENINSULA, ALASKA. <AEIC>.
25	02	08	51.5*	17.062	S	167.675	E	33	N	4.9 4.2	1.1	36	VANUATU ISLANDS. Ms 4.3 (BRK).
25	03	27	00.4?	44.32	N	7.17	E	5	G		0.1	4	NORTHERN ITALY. ML 1.5 (GEN).
a 25	04	39	17.4	56.967	S	25.497	W	33	N	5.6 5.1	0.9	143	SOUTH SANDWICH ISLANDS REGION. Mw 5.6 (HRV).
25	05	12	07.0*	9.057	S	157.962	E	33	N	4.6	1.1	19	SOLOMON ISLANDS
25	05	14	09.2*	8.799	S	157.656	E	33	N	4.7	1.0	20	SOLOMON ISLANDS
25	05	18	43.6&	11.089	N	61.847	W	33	N		0.3	5	WINDWARD ISLANDS. MD 3.2 (TRN).
25	05	52	10.1&	43.050	N	18.092	E	10	G		0.5	10	NORTHWESTERN BALKAN REGION. ML 2.3 (TTG).
25	05	57	51.7	31.178	N	142.399	E	33	N	4.9 4.3	0.7	96	SOUTH OF HONSHU, JAPAN
25	06	58	32.2?	6.63	S	147.46	E	66	*	4.2	1.5	6	EASTERN NEW GUINEA REG., P.N.G.
25	08	51	03.2*	38.211	N	19.994	E	5	G	3.7	1.1	18	IONIAN SEA. MD 3.5 (ATH). ML 3.1 (THE).
25	08	56	00.4&	32.705	S	70.233	W	100	G		0.4	12	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
25	09	55	03.6&	39.600	N	23.712	E	10	G		0.4	8	AEGEAN SEA
25	11	06	38.0&	60.315	N	152.337	W	85				75	SOUTHERN ALASKA. <AEIC>.
25	11	08	50.2	12.305	S	166.769	E	225	D	5.0	0.9	178	SANTA CRUZ ISLANDS
25	11	41	26.6?	40.37	N	21.75	E	33	N		1.2	4	GREECE
25	11	58	04.6&	62.027	N	151.173	W	77				73	CENTRAL ALASKA. <AEIC>.
25	15	05	31.1*	15.310	N	61.109	W	162	?		0.4	13	LEEWARD ISLANDS. MD 3.7 (TRN).
a 25	15	46	45.8	7.758	S	158.452	E	29	D	5.6 5.1	0.8	221	SOLOMON ISLANDS. Mw 5.4 (HRV). Ms 4.9 (BRK).
25	15	48	47.4	8.554	N	82.692	W	53		4.9	1.1	60	PANAMA-COSTA RICA BORDER REGION. MD 4.8 (UPA). Felt (V) in Chiriqui Province, Panama.
25	16	20	19.1&	33.814	S	71.195	W	60	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).
25	16	32	24.4?	16.64	S	174.12	W	33	N	5.0	1.0	22	TONGA ISLANDS
25	17	02	15.0?	31.07	S	69.31	W	200	G		0.4	10	SAN JUAN PROVINCE, ARGENTINA. MD 4.3 (SAN).
25	17	21	30.7	40.048	N	20.326	E	10	G		1.0	8	GREECE-ALBANIA BORDER REGION. ML 2.4 (THE).
25	17	26	39.3	10.939	S	113.021	E	33	N	4.9	1.1	19	SOUTH OF JAWA, INDONESIA
a 25	17	41	50.6	35.015	N	124.447	E	10	G	5.0 5.0	1.0	155	YELLOW SEA. Mw 5.2 (HRV). Felt in the Mokpo area, South Korea.
25	18	00	14.8?	14.73	S	167.03	E	63	?	4.8	0.7	23	VANUATU ISLANDS
25	20	02	15.0*	8.831	S	118.995	E	119	?	3.7	1.4	9	SUMBAWA REGION, INDONESIA
25	20	31	41.1&	44.355	N	7.298	E	5	G		0.3	10	NORTHERN ITALY. ML 2.0 (GEN).
25	20	47	38.1*	13.731	N	60.680	W	33	N		0.4	7	WINDWARD ISLANDS. MD 3.1 (TRN).
25	21	51	37.0*	17.226	S	167.402	E	33	N	4.7	1.3	45	VANUATU ISLANDS
25	21	52	08.7	16.984	S	167.525	E	33	N	5.1	0.9	29	VANUATU ISLANDS
a 25	22	00	22.9	56.362	S	27.365	W	81	G	6.3	1.2	287	SOUTH SANDWICH ISLANDS REGION. Mw 6.6 (GS). Depth from broadband displacement seismograms.
25	23	18	21.3&	35.743	N	117.054	W	6	G			68	CENTRAL CALIFORNIA. <PAS-P>. ML 3.6 (PAS).
26	00	10	28.7?	37.02	N	3.71	W	10	G		0.1	4	SPAIN. mbLg 2.4 (MDD).
26	00	19	27.0*	76.768	N	107.050	W	10	G	3.7	1.2	7	QUEEN ELIZABETH ISLANDS, CANADA
26	00	20	04.9&	38.978	N	29.051	E	10	G		0.2	5	TURKEY. ML 2.9 (ISK).
26	01	46	33.1	10.263	S	113.590	E	33	N	5.7	1.1	126	SOUTH OF JAWA, INDONESIA
26	02	14	47.4?	6.98	S	148.12	E	73	*	3.7	0.5	7	NEW BRITAIN REGION, P.N.G.
26	02	26	41.7	42.794	N	18.087	E	10	G		0.5	10	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
26	03	21	07.7?	15.89	N	60.34	W	10	G		0.3	5	LEEWARD ISLANDS. ML 3.1 (FDF).
26	03	24	42.6	43.228	N	0.417	W	5	G		1.1	26	PYRENEES. ML 3.0 (LDG), 2.5 (STR). Felt (III) in the Ossau Valley, France.
26	03	31	02.8?	44.39	N	129.50	W	10	G		0.5	31	OFF COAST OF OREGON
26	03	40	31.1?	21.61	S	179.87	E	614	*	5.0	1.1	20	SOUTH OF FIJI ISLANDS
26	03	58	28.2&	12.879	N	124.923	E	33	N		0.6	6	SAMAR, PHILIPPINE ISLANDS
26	04	06	04.9?	35.88	N	3.37	W	10	G		0.1	4	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
26	04	34	25.1?	39.54	N	21.90	E	33	N		0.7	4	GREECE. ML 2.2 (THE).
26	06	25	00.0	35.321	N	3.931	W	10	G		1.0	26	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
26	07	51	22.8?	39.07	N	27.59	E	10	G		0.4	4	TURKEY. ML 2.7 (ISK).
26	08	12	32.9*	13.411	N	145.055	E	77		5.0	0.7	29	MARIANA ISLANDS
26	09	20	19.6&	48.195	N	122.471	W	26				58	WASHINGTON. <SEA-P>. MD 2.7 (SEA).
26	10	10	33.1&	62.904	N	150.697	W	114		4.3		110	CENTRAL ALASKA. <AEIC>. Felt (IV) at Skwentna.
26	12	32	40.9?	42.49	N	23.99	E	5	G		1.2	7	BULGARIA. ML 3.0 (THE).
26	13	05	32.1?	6.66	S	147.90	E	65	*	4.4	0.4	6	EASTERN NEW GUINEA REG., P.N.G.
26	13	17	19.1&	49.137	N	127.962	W	10	G			15	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.5 (PGC).
26	13	18	10.6	38.692	N	22.604	E	10	G		0.6	16	GREECE. ML 3.2 (ATH), 3.1 (THE).
26	13	30	28.5*	41.600	N	22.272	E	5	G		0.5	6	NORTHWESTERN BALKAN REGION. ML 2.3 (THE), 2.1 (SKO).
26	15	41	03.6&	36.468	N	121.034	W	4				32	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.7 (GS).
26	16	17	44.6*	4.886	N	126.296	E	33	N	4.5	0.9	8	TALAUD ISLANDS, INDONESIA
26	17	11	14.9	20.569	S	178.759	W	589		4.6	0.7	109	FIJI ISLANDS REGION
26	17	42	33.1	41.117	N	20.195	E	5	G		1.3	12	ALBANIA. ML 2.4 (TIR).
26	18	01	41.9*	28.481	N	52.122	E	33	N	4.2	0.8	20	SOUTHERN IRAN
26	18	23	07.5	11.343	N	61.852	W	94			0.4	17	WINDWARD ISLANDS. MD 4.1 (TRN).
26	18	24	58.2	22.122	N	143.268	E	199	D	4.8	0.8	72	VOLCANO ISLANDS REGION
26	19	02	08.2*	44.783	N	3.208	E	10	G		0.6	12	FRANCE. ML 2.5 (LDG).
26	19	39	11.3?	33.86	S	72.09	W	10	G		0.5	10	OFF COAST OF CENTRAL CHILE
26	19	39	44.3?	33.82	S	72.03	W	10	G		0.3	9	OFF COAST OF CENTRAL CHILE
26	20	09	20.5	49.147	N	6.976	E	10	G		0.7	13	GERMANY. ML 2.6 (STR), 2.3 (UCC).
26	20	10	22.7	38.759	N	22.705	E	5	G		0.9	13	GREECE. ML 2.9 (ATH), 2.6 (THE).
26	20	32	49.7&	58.356	N	152.231	W	40				88	KODIAK ISLAND REGION. <AEIC>. ML 3.4 (AEIC), 3.8 (PMR).

26	20	55	09.9	39.917	N	20.644	E	5	G	1.0	16	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH). ML 2.6 (THE).
26	22	48	54.9?	33.12	S	72.21	W	33	N	0.5	10	OFF COAST OF CENTRAL CHILE. MD 3.4 (SAN).
26	23	07	22.4*	40.833	N	127.628	W	10	G	1.1	22	OFF COAST OF NORTHERN CALIFORNIA. ML 3.4 (GS).
26	23	07	28.2?	15.18	S	173.67	W	33	N	1.2	20	TONGA ISLANDS
26	23	37	30.9?	19.17	N	67.32	W	25		0.3	11	MONA PASSAGE. MD 3.9 (MPR).
27	01	11	23.1*	40.931	N	21.391	E	5	G	0.2	5	GREECE. ML 1.9 (THE).
27	02	24	49.8*	34.052	N	117.513	W	4			56	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.3 (GS). Felt (III) at Fontana.
27	03	26	09.6*	39.119	N	26.214	E	10	G	1.1	5	TURKEY. ML 3.1 (ISK).
27	03	35	05.4?	34.47	S	70.32	W	10	G	0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
27	03	42	52.8	22.760	N	107.302	W	36	*	1.2	60	OFF COAST OF CENTRAL MEXICO
27	05	05	02.3?	40.32	N	2.38	W	10	G	0.7	4	SPAIN. mbLg 2.3 (MDD).
27	07	16	51.5?	44.37	N	7.26	E	10	G	0.3	4	NORTHERN ITALY. ML 1.4 (GEN).
27	07	24	09.4?	39.17	N	27.22	E	5	G	0.9	4	TURKEY. ML 2.8 (ISK).
27	07	31	13.7?	38.88	N	26.89	E	5	G	0.5	4	AEGEAN SEA. ML 3.0 (ISK).
27	07	32	36.9*	36.393	N	140.839	E	62	*	0.8	14	NEAR EAST COAST OF HONSHU, JAPAN
27	07	47	07.2*	39.854	N	30.509	E	10	G	0.7	7	TURKEY. ML 2.9 (ISK).
27	07	57	26.7	6.844	N	127.214	E	10	G	1.0	22	PHILIPPINE ISLANDS REGION. Felt (II RF) at Bislig, Mindanao.
27	08	11	48.1?	40.51	N	21.87	E	5	G	1.1	4	GREECE
27	08	20	11.7	42.587	N	111.363	W	5	G	0.9	14	EASTERN IDAHO. ML 3.0 (GS).
27	08	24	32.8*	37.088	N	4.182	W	10	G	1.1	6	SPAIN. mbLg 2.5 (MDD).
27	09	02	19.6?	39.10	N	27.62	E	10	G	0.7	4	TURKEY. ML 2.8 (ISK).
27	09	09	20.0	18.090	N	145.574	E	283		0.8	41	MARIANA ISLANDS
27	09	10	36.7?	39.23	N	27.70	E	10	G	0.1	4	TURKEY. ML 2.8 (ISK).
27	09	42	37.1	62.744	N	3.687	E	10	G	1.2	22	NORWEGIAN SEA. MD 3.7 (BER). Felt (II) at Forde, Norway.
a 27	09	55	55.3	3.308	S	139.149	E	91		1.0	118	IRIAN JAYA, INDONESIA. Mw 5.4 (HRV).
27	10	38	25.8	24.138	N	121.844	E	33	N	0.9	13	TAIWAN
27	10	50	45.1	73.896	N	9.395	E	10	G	1.2	22	GREENLAND SEA
27	10	54	11.1*	23.114	N	107.063	W	33	N	1.3	26	GULF OF CALIFORNIA
27	11	49	51.3	44.340	N	11.974	E	10	G	1.2	13	NORTHERN ITALY. ML 3.0 (LDG), 3.0 (VIE).
27	12	24	47.2*	37.556	N	4.056	W	10	G	0.3	6	SPAIN. mbLg 2.1 (MDD).
a 27	12	33	37.7	15.195	N	146.991	E	28	D	1.0	104	MARIANA ISLANDS. Mw 5.3 (HRV).
27	12	37	21.9*	43.085	N	20.239	E	5	G	0.4	9	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
27	13	27	49.9	8.327	S	119.728	E	191		1.1	57	FLORES REGION, INDONESIA
27	13	35	18.5?	39.24	N	27.75	E	10	G	0.9	4	TURKEY. ML 2.9 (ISK).
27	13	39	37.7*	36.438	N	71.198	E	129	?	1.2	22	AFGHANISTAN-TAJIKISTAN BORD REG.
27	14	26	53.8*	35.588	N	9.949	W	33	N	1.0	26	WEST OF GIBRALTAR. MD 3.5 (RBA).
27	14	39	08.5	26.875	S	26.800	E	5	G	0.8	12	REPUBLIC OF SOUTH AFRICA. ML 4.2 (PRE).
27	14	59	04.0?	62.43	N	4.20	E	10	G	0.2	4	NORWEGIAN SEA. MD 2.3 (BER).
27	15	02	49.4?	34.69	S	71.18	W	80	G	0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
27	15	05	41.5	49.994	N	176.890	W	33	N	0.8	100	SOUTH OF ALEUTIAN ISLANDS
27	16	42	35.0*	11.411	S	165.916	E	97	?	1.4	19	SANTA CRUZ ISLANDS
27	18	32	37.9	22.576	N	107.495	W	33	N	1.0	76	OFF COAST OF CENTRAL MEXICO
27	19	12	02.5	35.216	N	3.876	W	26		1.0	13	STRAIT OF GIBRALTAR. MD 3.5 (RBA). mbLg 3.3 (MDD).
27	19	29	30.0?	36.55	N	68.52	E	33	N	0.6	5	HINDU KUSH REGION, AFGHANISTAN
27	20	23	33.9*	58.727	N	155.135	W	123			17	ALASKA PENINSULA. <AEIC>.
27	20	27	38.6	44.103	N	12.224	E	10	G	0.9	21	NORTHERN ITALY. ML 3.2 (VIE), 3.1 (LDG). MD 3.1 (TRI).
27	20	30	08.2	44.353	N	11.872	E	10	G	1.0	10	NORTHERN ITALY. ML 2.8 (VIE), 2.7 (LDG). MD 2.7 (TRI).
27	22	04	43.6?	35.01	S	71.15	W	90	G	0.2	12	CENTRAL CHILE. MD 4.1 (SAN). Felt (IV) at Talca.
27	22	51	06.1*	40.705	N	29.858	E	5	G	0.7	5	TURKEY. ML 2.8 (ISK).
27	23	13	16.2?	47.76	N	156.19	E	33	N	0.6	29	EAST OF KURIL ISLANDS
27	23	51	55.2*	43.222	N	127.466	W	10	G	0.4	32	OFF COAST OF OREGON
28	00	24	49.5	44.557	N	7.331	E	10	G	0.4	24	NORTHERN ITALY. ML 2.6 (GEN), 2.3 (LDG).
28	00	43	57.9?	15.22	S	173.62	W	33	N	1.1	18	TONGA ISLANDS
28	01	01	46.8*	34.226	N	135.384	E	22		0.9	7	NEAR S. COAST OF WESTERN HONSHU
28	01	31	52.9*	61.610	N	150.838	W	57			80	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
28	01	35	16.9*	43.408	N	19.395	E	10	G	0.8	9	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
a 28	01	39	07.1	16.194	S	172.806	W	33	N	1.1	89	SAMOA ISLANDS REGION. Mw 5.4 (HRV).
28	02	03	57.3*	64.192	N	139.802	W	15	G		23	SOUTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 3.3 (PGC), 3.2 (AEIC).
28	02	26	32.1?	37.04	N	4.25	W	10	G	0.2	4	SPAIN. mbLg 2.2 (MDD).
28	03	22	21.8*	37.043	N	4.281	W	10	G	0.5	8	SPAIN. mbLg 2.4 (MDD).
28	03	24	48.9*	1.636	N	125.774	E	91	*	1.0	10	NORTHERN MOLUCCA SEA
28	04	31	47.9*	34.046	N	117.511	W	2			34	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.9 (GS).
28	04	51	00.4*	17.560	S	178.432	W	627	*	1.1	30	FIJI ISLANDS REGION
28	06	04	22.4*	44.717	N	6.778	E	5	G	0.3	6	FRANCE. ML 2.2 (GEN).
28	06	15	49.8*	39.020	N	27.760	E	5	G	0.4	6	TURKEY. ML 3.3 (ISK).
28	06	44	52.2*	34.043	N	117.509	W	3			10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
a 28	08	03	01.8	47.278	S	100.224	E	10	G	0.9	36	SOUTHEAST INDIAN RIDGE. Mw 5.8 (HRV).
28	08	04	46.7?	62.57	N	4.51	E	10	G	1.2	5	NORWEGIAN SEA. MD 2.6 (BER).
28	08	05	16.2	41.309	N	20.626	E	5		1.2	30	ALBANIA. ML 3.4 (TTG), 3.3 (TIR), 3.0 (THE). MD 3.2 (ATH).
28	08	19	13.7*	39.261	N	29.222	E	10	G	0.7	9	TURKEY. ML 2.9 (ISK).
28	08	34	20.7?	33.18	S	72.14	W	10	G	0.4	9	OFF COAST OF CENTRAL CHILE
28	08	34	56.4?	39.25	N	27.70	E	10	G	0.2	4	TURKEY. ML 2.7 (ISK).
28	09	25	21.2?	39.72	N	29.50	E	10	G	0.7	4	TURKEY. ML 2.7 (ISK).
28	09	27	10.8?	39.12	N	27.62	E	10	G	0.3	4	TURKEY. ML 2.8 (ISK).
28	09	43	44.3?	39.37	N	29.30	E	10	G	0.5	4	TURKEY. ML 2.8 (ISK).
28	09	57	58.1	5.495	S	147.126	E	184	D	0.9	43	EASTERN NEW GUINEA REG., P.N.G.
28	10	52	02.5*	33.403	N	116.944	W	5			33	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.2 (GS). Felt at Escondido.
28	11	16	45.3*	46.303	N	15.228	E	5	G	1.0	5	NORTHWESTERN BALKAN REGION. MD 2.7 (LJU).
28	11	51	43.9*	63.058	N	144.415	W	7			22	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
28	12	18	35.2*	9.775	S	118.651	E	33	N	1.3	6	SUMBAWA REGION, INDONESIA
28	12	28	52.3	22.934	N	107.254	W	10	G	1.0	30	OFF COAST OF CENTRAL MEXICO
28	13	15	16.5*	41.277	N	23.382	E	5	G	0.7	6	GREECE-BULGARIA BORDER REGION. ML 1.8 (THE).
28	14	30	22.3?	60.45	N	5.08	E	10	G	0.5	4	SOUTHERN NORWAY. MD 1.2 (BER).
28	14	47	53.7*	26.364	S	27.497	E	5	G	1.1	6	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
28	16	35	40.6*	11.202	S	113.661	E	33	N	1.0	6	SOUTH OF JAWA, INDONESIA
28	17	47	41.4*	9.343	S	159.479	E	10	G	1.4	6	SOLOMON ISLANDS. Felt (III) at Honiara.

28	18 52 53.4	36.398 N	71.331 E	129 D	4.4	1.0	59	AFGHANISTAN-TAJIKISTAN BORD REG.
28	19 04 43.0?	39.44 N	23.78 E	10 G		1.1	4	AEGEAN SEA
28	19 33 52.7&	63.439 N	151.145 W	17			68	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
a 28	20 10 02.5	16.667 S	174.182 W	123 D	5.0	0.8	146	TONGA ISLANDS. Mw 5.2 (HRV).
28	20 29 05.1&	59.880 N	150.844 W	35			51	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
28	20 58 56.8?	54.53 S	135.85 W	10 G	5.2 5.4	1.2	11	PACIFIC-ANTARCTIC RIDGE
28	21 33 47.9?	11.29 S	112.95 E	33 N	4.5	0.9	4	SOUTH OF JAWA, INDONESIA
28	22 55 18.4*	0.931 N	126.632 E	33 N	5.0	0.4	9	NORTHERN MOLUCCA SEA
28	23 22 39.6%	26.379 S	27.424 E	5 G		0.5	7	REPUBLIC OF SOUTH AFRICA. ML 3.5 (PRE).
a 29	00 17 45.4	52.398 N	168.333 W	11 G	6.0 5.6	1.0	478	FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.8 (GS), 5.8 (HRV). ML 5.6 (PMR). Ms 5.2 (BRK). Felt (II) at Nikolski. Two events about 1.4 seconds apart. Depth from broadband displacement seismograms, based on first event.
29	00 56 48.9?	29.03 N	34.62 E	10 G		0.4	7	EGYPT
29	01 13 01.2	52.284 N	168.316 W	33 N	5.0 4.9	1.0	95	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
29	02 39 42.3	30.697 N	141.987 E	50 D	4.7	0.7	37	SOUTH OF HONSHU, JAPAN
29	02 40 45.3	31.795 S	69.094 W	120 G		0.7	18	SAN JUAN PROVINCE, ARGENTINA. MD 4.3 (SAN).
29	03 19 10.1	52.602 N	168.158 W	33 N	4.3	0.7	32	FOX ISLANDS, ALEUTIAN ISLANDS
29	03 58 12.2?	29.21 N	34.85 E	10 G		0.4	4	EGYPT
29	04 11 27.5?	23.48 S	175.62 W	106 ?	4.5	1.1	21	TONGA ISLANDS REGION
29	04 45 59.1?	18.45 N	65.88 W	10 G		0.7	5	PUERTO RICO REGION
a 29	05 42 27.6	52.343 N	168.342 W	22 D	5.4 4.5	1.1	277	FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.3 (HRV). ML 5.0 (PMR). Ms 4.1 (BRK).
29	07 12 22.1?	39.10 N	27.63 E	10 G		0.5	4	TURKEY. ML 2.7 (ISK).
29	07 13 16.8&	63.266 N	151.170 W	11			8	CENTRAL ALASKA. <AEIC>. ML 2.2 (AEIC), 2.7 (PMR).
a 29	07 53 28.4	16.984 S	167.739 E	14 G	5.7 5.8	1.1	288	VANUATU ISLANDS. Mw 5.9 (GS), 5.9 (HRV). Ms 5.8 (BRK). Depth from broadband displacement seismograms.
29	08 06 59.3?	16.93 S	168.00 E	33 N	4.5	1.4	9	VANUATU ISLANDS
29	08 14 33.0?	39.52 N	29.50 E	10 G		1.2	5	TURKEY. ML 2.7 (ISK).
29	08 26 59.7?	39.14 N	27.56 E	10 G		0.4	4	TURKEY. ML 2.8 (ISK).
29	08 28 33.4?	39.08 N	27.65 E	10 G		0.2	4	TURKEY. ML 2.7 (ISK).
29	08 37 58.3?	16.83 S	168.22 E	33 N	4.8	0.8	9	VANUATU ISLANDS
29	08 44 04.1?	4.79 S	103.13 E	33 N	4.4	1.1	7	SOUTHERN SUMATERA, INDONESIA
29	09 41 43.3?	41.69 N	23.21 E	5 G		0.2	6	GREECE-BULGARIA BORDER REGION. ML 2.4 (THE).
29	10 03 15.2*	37.780 N	6.467 W	33 N		1.1	6	SPAIN. MG 2.7 (SFS).
29	11 07 38.6?	69.07 N	30.11 E	5 G		0.6	4	NORWAY-RUSSIA BORDER REGION. ML 2.3 (NAO).
29	11 31 51.7?	39.20 N	27.78 E	10 G		0.1	4	TURKEY. ML 2.9 (ISK).
29	12 30 21.3&	35.986 N	118.347 W	6			30	CENTRAL CALIFORNIA. <PAS-P>. ML 2.6 (PAS), 2.8 (GS). MD 2.7 (GM).
29	12 37 33.8%	38.261 N	27.083 E	10 G		0.4	5	TURKEY. ML 3.2 (ISK).
29	12 42 24.0	16.951 S	167.632 E	33 N	5.3 4.9	1.3	111	VANUATU ISLANDS
a 29	13 12 51.2	16.920 S	167.742 E	36 D	5.2 5.2	1.1	97	VANUATU ISLANDS. Mw 5.4 (HRV).
29	13 13 37.0	10.639 S	113.270 E	33 N	4.7 4.7	1.2	32	SOUTH OF JAWA, INDONESIA
29	13 29 13.7%	40.421 N	28.017 E	10 G		0.3	5	TURKEY. ML 2.8 (ISK).
29	13 41 40.9%	26.925 S	26.768 E	5 G		0.4	6	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
29	13 43 43.6*	17.120 S	167.600 E	33 N	4.4	1.2	25	VANUATU ISLANDS
29	13 51 32.5?	39.11 N	27.71 E	10 G		0.7	4	TURKEY. ML 2.8 (ISK).
29	14 24 06.0%	26.866 S	26.782 E	5 G		0.5	6	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
29	15 02 35.3*	38.425 N	20.400 E	5 G		1.0	9	GREECE. MD 3.3 (ATH).
29	15 11 19.1?	44.14 N	148.17 E	98 ?	4.0	1.1	15	KURIL ISLANDS
29	15 29 36.4?	66.99 N	21.01 E	5 G		0.7	4	SWEDEN. MD 3.1 (BER).
29	15 34 39.0&	59.616 N	152.998 W	108			45	SOUTHERN ALASKA. <AEIC>.
29	15 44 32.5&	58.613 N	155.246 W	123			75	ALASKA PENINSULA. <AEIC>.
29	15 53 30.7?	39.74 N	29.47 E	10 G		0.3	4	TURKEY. ML 2.7 (ISK).
29	16 05 23.9	3.221 S	135.841 E	21 D	5.0	0.8	31	IRIAN JAYA REGION, INDONESIA
29	16 11 54.6?	39.29 N	29.15 E	5 G		0.6	4	TURKEY. ML 2.9 (ISK).
29	16 36 06.5%	33.181 S	70.240 W	100 G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
29	16 37 03.7	39.520 N	25.089 E	10 G	3.5	1.4	29	AEGEAN SEA. ML 3.7 (ISK), 3.4 (THE).
29	17 01 05.6*	24.899 S	179.408 W	540 ?	4.3	0.4	11	SOUTH OF FIJI ISLANDS
29	17 12 55.4?	48.69 N	2.28 W	5 G		0.2	4	FRANCE. ML 2.2 (LDG).
29	18 08 44.8*	37.832 N	20.881 E	5 G	3.8	1.1	22	IONIAN SEA. ML 3.5 (THE).
29	18 09 51.9%	38.258 N	21.056 E	5 G		0.9	5	GREECE. ML 3.6 (ATH).
29	18 39 51.9?	51.53 N	16.01 E	10 G		0.6	10	POLAND. ML 3.6 (VIE), 3.5 (GRF).
29	19 20 12.6	38.849 N	23.227 E	10 G		0.6	10	GREECE. ML 2.9 (ATH), 2.6 (THE).
29	20 01 18.0&	38.851 N	122.830 W	1			49	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
29	20 43 08.4	17.131 N	101.446 W	31 *	4.7	0.9	31	NEAR COAST OF GUERRERO, MEXICO
29	20 46 27.2?	39.24 N	29.06 E	10 G		0.5	4	TURKEY. ML 2.7 (ISK).
29	21 29 16.8	53.535 S	140.117 E	33 N	5.0	1.2	13	WEST OF MACQUARIE ISLAND
29	22 06 27.3	36.417 N	71.087 E	118 *	4.5	1.1	41	AFGHANISTAN-TAJIKISTAN BORD REG.
29	22 56 28.3*	8.972 S	124.253 E	74 ?	4.9	1.4	14	TIMOR REGION, INDONESIA
30	00 23 13.0*	19.103 N	120.935 E	71 *	4.1	0.7	6	PHILIPPINE ISLANDS REGION
30	01 07 48.3*	7.880 S	158.483 E	33 N	4.7	1.0	11	SOLOMON ISLANDS
30	01 53 05.2%	39.076 N	27.130 E	5 G		0.9	5	TURKEY. ML 3.0 (ISK).
30	02 09 32.5&	67.410 N	145.985 W	28			36	NORTHERN ALASKA. <AEIC>. ML 3.6 (AEIC), 3.7 (PMR).
30	02 10 56.2%	39.056 N	27.108 E	10 G		0.3	7	TURKEY. ML 3.2 (ISK).
30	02 16 29.7	39.091 N	27.175 E	5 G		1.1	13	TURKEY. ML 3.4 (ISK). MD 3.3 (ATH).
30	02 28 50.1	39.108 N	27.160 E	5 G		0.9	16	TURKEY. ML 3.5 (ISK). MD 3.4 (ATH).
30	02 32 14.1?	44.58 N	7.26 E	5 G		0.6	4	NORTHERN ITALY. ML 1.8 (GEN).
30	02 34 20.5%	39.057 N	27.077 E	10 G		0.7	5	TURKEY. ML 2.9 (ISK).
30	02 51 46.9%	42.241 N	19.003 E	10 G		0.2	8	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
30	03 02 27.4	39.998 N	20.363 E	33 N		0.7	12	GREECE-ALBANIA BORDER REGION. ML 2.8 (THE).
30	03 07 14.9&	63.242 N	150.918 W	16			10	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.8 (PMR).
30	03 16 49.9	44.045 N	11.645 E	14		0.9	50	NORTHERN ITALY. MD 3.6 (TRI). ML 3.5 (LDG), 3.1 (STR).
30	03 52 47.9%	28.044 S	26.898 E	5 G		1.0	7	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
30	04 16 49.3	44.231 N	11.552 E	10 G		0.8	13	NORTHERN ITALY. ML 2.7 (LDG).
30	06 08 41.9?	25.55 N	128.26 E	33 N	4.3	1.5	9	RYUKYU ISLANDS
30	06 11 45.6	23.887 S	175.337 W	42 D	5.0 4.6	0.9	58	TONGA ISLANDS REGION
30	06 24 42.4%	32.974 S	70.298 W	100 G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
30	06 45 33.4?	39.24 N	27.74 E	10 G		1.0	4	TURKEY. ML 2.9 (ISK).
30	07 34 42.6?	39.11 N	27.71 E	10 G		0.3	4	TURKEY. ML 2.7 (ISK).
30	08 05 38.9?	40.39 N	21.76 E	14 ?		0.2	5	GREECE
30	08 22 01.6%	39.182 N	27.345 E	10 G		0.5	5	TURKEY. ML 2.7 (ISK).
30	09 18 34.8?	39.57 N	29.58 E	10 G		1.4	4	TURKEY. ML 2.7 (ISK).

30	09 46 54.3?	7.88 S	147.84 E	33 *	4.5	1.5	7	EASTERN NEW GUINEA REG., P.N.G. ML 4.1 (PMG).
30	10 37 45.1	37.493 N	36.189 E	10 G	4.7	1.1	125	TURKEY. ML 4.7 (JER), 4.5 (ISK), 4.5 (BHL).
30	10 40 48.8?	71.57 N	1.60 W	10 G		0.5	5	JAN MAYEN ISLAND REGION
30	11 02 27.7?	27.760 S	26.671 E	5 G		1.0	10	REPUBLIC OF SOUTH AFRICA. ML 3.7 (PRE).
30	11 14 53.0?	60.698 N	5.572 E	5 G		0.4	5	SOUTHERN NORWAY. MD 1.8 (BER).
30	11 43 55.5?	10.04 N	61.49 W	60 G		0.6	5	TRINIDAD. MD 3.2 (TRN).
30	11 53 23.5*	7.105 S	147.320 E	41 *	4.5	1.3	6	EASTERN NEW GUINEA REG., P.N.G.
30	13 09 12.7*	17.031 S	167.611 E	33 N	4.9	1.4	14	VANUATU ISLANDS
30	13 12 03.9?	39.10 N	27.66 E	10 G		0.1	4	TURKEY. ML 2.8 (ISK).
30	13 47 57.9?	26.398 S	27.384 E	5 G		0.9	10	REPUBLIC OF SOUTH AFRICA. ML 3.2 (PRE).
a 30	14 34 08.7	23.227 S	179.137 E	545	5.1	0.9	157	SOUTH OF FIJI ISLANDS. Mw 5.4 (HRV).
30	14 44 29.3	43.296 N	18.584 E	10 G		0.8	17	NORTHWESTERN BALKAN REGION. ML 3.2 (TTG), 3.1 (TIR).
30	15 37 24.1	35.394 N	3.945 W	10 G		1.0	19	STRAIT OF GIBRALTAR. MD 3.5 (RBA). mbLg 3.4 (MDD).
30	16 51 54.7	36.648 N	22.037 E	57 ?	3.4	1.2	24	SOUTHERN GREECE. MD 3.5 (ATH).
30	18 04 07.3?	32.23 S	70.96 W	80 G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
30	19 04 33.1?	39.30 N	28.22 E	10 G		0.3	4	TURKEY. ML 2.8 (ISK).
30	20 17 08.4?	14.17 N	117.57 E	49 ?	4.4	1.3	9	PHILIPPINE ISLANDS REGION
30	20 33 26.0?	17.08 N	61.62 W	79 ?		0.3	11	LEEWARD ISLANDS
a 30	21 21 25.9	40.890 N	142.596 E	57 D	5.1	0.9	197	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.1 (HRV).
30	21 43 18.0*	28.650 N	34.556 E	10 G		0.6	8	EGYPT
30	22 46 39.4	34.549 N	33.837 E	10 G	3.8	1.0	23	CYPRUS REGION. ML 4.0 (CSS), 3.8 (BHL).
30	23 19 53.4?	40.544 N	124.062 W	22			28	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.5 (GM).
31	02 40 39.7	33.065 S	70.118 W	110 G		0.4	13	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
31	03 08 00.9?	34.303 N	116.445 W	6			8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
31	03 30 28.7?	39.25 N	28.04 E	5 G		0.2	4	TURKEY. ML 2.8 (ISK).
31	03 42 45.5?	26.348 S	27.494 E	5 G		0.9	5	REPUBLIC OF SOUTH AFRICA
31	04 31 02.4*	10.235 N	126.312 E	58 ?	4.1	1.2	8	PHILIPPINE ISLANDS REGION
31	04 35 20.2?	34.296 N	118.460 W	8			16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.0 (GS).
31	04 35 38.9*	36.612 N	23.561 E	5 G	4.4	1.0	24	SOUTHERN GREECE. ML 4.0 (THE), 3.9 (ATH).
31	04 37 22.4?	34.298 N	118.457 W	7			17	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
a 31	05 15 39.5	32.558 N	48.369 E	43	5.3 5.3	1.0	349	WESTERN IRAN. Mw 5.6 (HRV). Felt at Andimeshk and Darreh-ye Shahr. Felt in Ilam and Lorestan Provinces.
31	05 22 10.5	32.578 N	48.456 E	73 *	5.2	0.8	98	WESTERN IRAN
31	05 52 57.7	32.449 N	48.344 E	49	4.9	1.0	137	WESTERN IRAN
31	06 09 34.4?	2.33 N	128.64 E	94 ?	4.5	1.4	6	HALMAHERA, INDONESIA
31	06 14 56.5?	33.554 S	70.434 W	90 G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
31	06 21 15.3?	26.883 S	26.758 E	5 G		0.9	9	REPUBLIC OF SOUTH AFRICA. ML 4.3 (PRE).
31	06 26 44.1	23.091 S	66.497 W	242 D	4.7	1.2	54	JUJUY PROVINCE, ARGENTINA
31	06 29 51.0?	26.869 S	26.829 E	5 G		0.7	7	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
31	07 06 07.5?	31.89 N	49.22 E	33 N	4.4	0.8	21	WESTERN IRAN
31	07 16 42.4?	43.352 N	18.519 E	10 G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
31	08 57 59.2?	39.10 N	27.61 E	10 G		0.1	4	TURKEY. ML 2.7 (ISK).
31	09 37 32.7*	30.427 S	70.994 W	140 G		0.8	12	CHILE-ARGENTINA BORDER REGION. MD 4.4 (SAN).
31	10 00 00.4*	28.632 N	34.511 E	10 G		0.8	8	EGYPT
31	10 42 40.3?	58.050 N	154.883 W	4			41	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
31	11 38 45.7*	38.589 N	20.506 E	10 G		0.8	5	GREECE. MD 3.1 (ATH).
31	11 48 40.6?	23.96 N	122.79 E	10 G	4.8	1.4	7	TAIWAN REGION
31	11 51 08.2?	11.98 S	113.96 E	33 N	4.2	0.7	5	SOUTH OF JAWA, INDONESIA
31	12 07 50.2?	4.09 S	135.97 E	33 N	4.6	0.9	7	IRIAN JAYA REGION, INDONESIA
31	12 12 50.6	23.017 S	66.469 W	230 D	4.6	1.1	54	JUJUY PROVINCE, ARGENTINA
31	13 41 37.7	38.902 N	26.715 E	10 G	3.4	1.3	8	AEGEAN SEA. ML 3.6 (ATH), 3.6 (ISK).
31	13 44 02.4*	38.743 N	26.509 E	10 G		0.3	5	AEGEAN SEA. ML 3.3 (ISK).
a 31	14 44 33.1	60.694 S	24.863 W	33 N	5.0 4.6	1.1	25	SOUTH SANDWICH ISLANDS REGION. Mw 5.3 (HRV).
31	14 46 02.2*	44.038 N	110.670 W	5 G		0.5	9	YELLOWSTONE REGION, WYOMING. ML 2.9 (GS). Felt (III) at Grant Village, Yellowstone National Park.
31	15 58 15.8?	26.886 S	26.826 E	5 G		1.3	8	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE).
31	17 00 51.5*	16.545 N	86.279 W	33 N	4.4	1.0	27	CARIBBEAN SEA
31	18 14 32.3?	58.778 N	153.139 W	69			70	KODIAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
31	18 48 08.3?	40.72 N	27.41 E	10 G		0.1	4	TURKEY. ML 2.7 (ISK).
31	19 20 37.4*	17.033 S	167.945 E	33 N	4.8	1.0	25	VANUATU ISLANDS
31	22 30 21.3	46.059 N	6.557 E	5 G		0.9	27	SWITZERLAND. ML 2.7 (LDG), 2.7 (STR), 2.5 (GEN).
31	22 46 59.4?	4.35 N	73.55 W	10 G		0.8	4	COLOMBIA
31	23 48 53.7*	17.044 S	167.607 E	33 N	4.6	1.1	17	VANUATU ISLANDS
31	23 53 36.5	31.682 N	80.266 E	35 ?	4.8	0.9	29	XIZANG
31	23 56 32.8	44.344 N	7.317 E	14		0.7	24	NORTHERN ITALY. ML 2.5 (GEN), 2.3 (LDG).

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

01 01 57 57.16	7.960S 109.137E 101km	NP2: 262 41 58	CENTROID, MOMENT TENSOR (HRV)
4.9mb (19 obs.)		Principal Axes:	Data Used: GDSN
JAWA, INDONESIA		T Plg=68 Azm= 85	L.P.B.: 52S,103C
CENTROID, MOMENT TENSOR (HRV)		P 8 194	Centroid Location:
Data Used: GDSN		Comment: The focal mechanism is	Origin Time 10:12:45.8 0.2
L.P.B.: 29S, 40C		moderately well controlled	Lat 40.01N 0.02 Lon 53.43E 0.02
Centroid Location:		and corresponds to reverse	Dep 57.3 1.4 Half-duration 1.6
Origin Time 01:58: 1.3 0.8		faulting with a moderate	Principal Axes:
Lat 8.35S 0.06 Lon 109.02E 0.06		strike-slip component. The	Scale 10**17 Nm
Dep 69.2 4.3 Half-duration 1.0		preferred fault plane is not	T Val= 3.03 Plg=71 Azm= 26
Principal Axes:		determined.	N 0.03 9 268
Scale 10**16 Nm		RADIATED ENERGY	P -3.06 17 175
T Val= 5.19 Plg=66 Azm= 31		No. of sta: 18 Focal mech. F	Best Double Couple:Mo=3.0*10**17
N -0.44 10 278		Energy 1.2±0.2*10**12 Nm	NP1:Strike=251 Dip=30 Slip= 71
P -4.75 22 184		MOMENT TENSOR SOLUTION	NP2: 93 62 101
Best Double Couple:Mo=5.0*10**16		Dep 43 No. of sta: 29	
NP1:Strike=255 Dip=25 Slip= 66		Principal Axes:	01 19 50 04.36 40.219N 53.391E 44km
NP2: 102 67 101		Scale 10**17 Nm	5.6mb (113 obs.)
		T Val= 3.33 Plg=65 Azm=351	TURKMENISTAN
01 10 12 41.21	40.232N 53.383E 41km	N -0.47 3 87	FAULT PLANE SOLUTION: P-Waves
6.0mb (126 obs.)	5.2Msz (44 obs.)	P -2.86 25 178	NP1:Strike=100 Dip=50 Slip= 90
TURKMENISTAN		Best Double Couple:Mo=3.1*10**17	NP2: 280 40 90
FAULT PLANE SOLUTION: P-Waves		NP1:Strike=274 Dip=20 Slip= 98	Principal Axes:
NP1:Strike=122 Dip=56 Slip= 115		NP2: 86 70 87	T Plg=85 Azm= 10

<p>5 190</p> <p>Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault plane is not determined.</p> <p>RADIATED ENERGY</p> <p>No. of sta: 11 Focal mech. F</p> <p>Energy 1.4±0.4*10**11 Nm</p> <p>MOMENT TENSOR SOLUTION</p> <p>Dep 44 No. of sta: 11</p> <p>Principal Axes:</p> <p>Scale 10**16 Nm</p> <p>T Val= 7.19 Plg=72 Azm=349</p> <p>N -0.01 1 257</p> <p>P -7.18 18 167</p> <p>Best Double Couple:Mo=7.2*10**16</p> <p>NP1:Strike=256 Dip=27 Slip= 89</p> <p>NP2: 77 63 91</p> <p>CENTROID, MOMENT TENSOR (HRV)</p> <p>Data Used: GDSN</p> <p>L.P.B.: 34S, 52C</p> <p>Centroid Location:</p> <p>Origin Time 19:50: 9.3 0.5</p> <p>Lat 40.14N 0.05 Lon 53.47E 0.05</p> <p>Dep 49.5 3.0 Half-duration 1.0</p> <p>Principal Axes:</p> <p>Scale 10**16 Nm</p> <p>T Val= 7.65 Plg=74 Azm=326</p> <p>N -0.38 10 95</p> <p>P -7.27 12 187</p> <p>Best Double Couple:Mo=7.5*10**16</p> <p>NP1:Strike=290 Dip=34 Slip= 108</p> <p>NP2: 88 58 78</p>	<p>5.1mb (59 obs.)</p> <p>FIJI ISLANDS REGION</p> <p>CENTROID, MOMENT TENSOR (HRV)</p> <p>Data Used: GDSN</p> <p>L.P.B.: 24S, 28C</p> <p>Centroid Location:</p> <p>Origin Time 06:43:21.7 0.7</p> <p>Lat 20.82S 0.06 Lon 178.93W 0.07</p> <p>Dep 583.0 3.4 Half-duration 1.3</p> <p>Principal Axes:</p> <p>Scale 10**17 Nm</p> <p>T Val= 2.20 Plg=30 Azm=146</p> <p>N -0.27 13 48</p> <p>P -1.93 57 297</p> <p>Best Double Couple:Mo=2.1*10**17</p> <p>NP1:Strike=269 Dip=19 Slip= -47</p> <p>NP2: 45 76 -103</p> <p>02 09 14 43.03 5.763S 131.103E 88km</p> <p>5.9mb (71 obs.)</p> <p>BANDA SEA</p> <p>FAULT PLANE SOLUTION: P-Waves</p> <p>NP1:Strike=140 Dip=65 Slip= 136</p> <p>NP2: 252 51 33</p> <p>Principal Axes:</p> <p>T Plg=48 Azm=100</p> <p>P 8 199</p> <p>Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.</p> <p>RADIATED ENERGY</p> <p>No. of sta: 14 Focal mech. M</p> <p>Energy 6.8±0.9*10**12 Nm</p> <p>MOMENT TENSOR SOLUTION</p> <p>Dep 101 No. of sta: 16</p> <p>Principal Axes:</p> <p>Scale 10**17 Nm</p> <p>T Val= 5.09 Plg=75 Azm=106</p> <p>N -0.03 15 286</p> <p>P -5.07 0 16</p> <p>Best Double Couple:Mo=5.1*10**17</p> <p>NP1:Strike=121 Dip=47 Slip= 111</p> <p>NP2: 271 47 69</p> <p>CENTROID, MOMENT TENSOR (HRV)</p> <p>Data Used: GDSN</p> <p>L.P.B.: 57S,111C</p> <p>Centroid Location:</p> <p>Origin Time 09:14:45.4 0.2</p> <p>Lat 5.62S 0.01 Lon 131.20E 0.02</p> <p>Dep 87.9 1.0 Half-duration 1.8</p> <p>Principal Axes:</p> <p>Scale 10**17 Nm</p> <p>T Val= 5.01 Plg=55 Azm= 91</p> <p>N 0.53 33 295</p> <p>P -5.54 12 197</p> <p>Best Double Couple:Mo=5.3*10**17</p> <p>NP1:Strike=253 Dip=44 Slip= 39</p> <p>NP2: 133 64 127</p> <p>02 12 08 47.25 28.369N 129.548E 47km</p> <p>5.1mb (57 obs.) 4.5MsZ (22 obs.)</p> <p>RYUKYU ISLANDS</p> <p>CENTROID, MOMENT TENSOR (HRV)</p> <p>Data Used: GDSN</p> <p>L.P.B.: 21S, 28C</p> <p>Centroid Location:</p> <p>Origin Time 12:08:49.7 0.5</p> <p>Lat 28.08N 0.08 Lon 129.47E 0.11</p> <p>Dep 30.8 5.6 Half-duration 1.1</p> <p>Principal Axes:</p> <p>Scale 10**16 Nm</p> <p>T Val= 10.78 Plg=54 Azm= 19</p> <p>N -1.73 22 255</p> <p>P -9.06 27 153</p> <p>Best Double Couple:Mo=9.9*10**16</p> <p>NP1:Strike=202 Dip=27 Slip= 34</p> <p>NP2: 81 75 113</p> <p>03 21 44 44.69 48.219S 31.542E 10km</p> <p>5.2mb (18 obs.) 4.8MsZ (1 obs.)</p> <p>SOUTH OF AFRICA</p> <p>CENTROID, MOMENT TENSOR (HRV)</p> <p>Data Used: GDSN</p> <p>L.P.B.: 14S, 17C</p> <p>Centroid Location:</p> <p>Origin Time 21:44:46.5 0.7</p> <p>Lat 48.22S FIX;Lon 31.54E FIX</p> <p>Dep 15.0 FIX Half-duration 1.3</p> <p>Principal Axes:</p>	<p>Scale 10**16 Nm</p> <p>T Val= 15.02 Plg=31 Azm=148</p> <p>N -3.22 52 289</p> <p>P -11.79 20 46</p> <p>Best Double Couple:Mo=1.3*10**17</p> <p>NP1:Strike=183 Dip=53 Slip= 170</p> <p>NP2: 279 82 38</p> <p>04 14 55 57.01 7.656N 82.289W 26km</p> <p>5.1mb (49 obs.) 4.5MsZ (14 obs.)</p> <p>SOUTH OF PANAMA</p> <p>CENTROID, MOMENT TENSOR (HRV)</p> <p>Data Used: GDSN</p> <p>L.P.B.: 49S, 82C</p> <p>Centroid Location:</p> <p>Origin Time 14:56: 1.8 0.3</p> <p>Lat 7.49N 0.03 Lon 82.38W 0.03</p> <p>Dep 15.0 FIX Half-duration 1.4</p> <p>Principal Axes:</p> <p>Scale 10**17 Nm</p> <p>T Val= 2.27 Plg=25 Azm=306</p> <p>N -0.18 59 165</p> <p>P -2.09 17 44</p> <p>Best Double Couple:Mo=2.2*10**17</p> <p>NP1:Strike= 87 Dip=60 Slip= 6</p> <p>NP2: 354 85 150</p> <p>04 21 36 41.96 14.888N 97.322W 15km</p> <p>6.1mb (142 obs.) 6.1MsZ (30 obs.)</p> <p>OFF COAST OF OAXACA, MEXICO</p> <p>FAULT PLANE SOLUTION: P-Waves</p> <p>NP1:Strike=320 Dip=72 Slip= -90</p> <p>NP2: 140 18 -90</p> <p>Principal Axes:</p> <p>T Plg=27 Azm= 50</p> <p>P 63 230</p> <p>Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.</p> <p>RADIATED ENERGY</p> <p>No. of sta: 17 Focal mech. F</p> <p>Energy 3.5±0.4*10**13 Nm</p> <p>MOMENT TENSOR SOLUTION</p> <p>Dep 13 No. of sta: 33</p> <p>Principal Axes:</p> <p>Scale 10**18 Nm</p> <p>T Val= 1.29 Plg=16 Azm= 41</p> <p>N 0.09 7 133</p> <p>P -1.38 72 245</p> <p>Best Double Couple:Mo=1.3*10**18</p> <p>NP1:Strike=120 Dip=29 Slip=-104</p> <p>NP2: 316 62 -82</p> <p>CENTROID, MOMENT TENSOR (HRV)</p> <p>Data Used: GDSN</p> <p>L.P.B.: 49S,139C M.W.: 49S, 93C</p> <p>Centroid Location:</p> <p>Origin Time 21:36:47.4 0.1</p> <p>Lat 15.16N 0.01 Lon 97.20W 0.01</p> <p>Dep 15.0 BDY Half-duration 3.7</p> <p>Principal Axes:</p> <p>Scale 10**18 Nm</p> <p>T Val= 4.73 Plg= 1 Azm= 66</p> <p>N 1.33 9 156</p> <p>P -6.07 81 329</p> <p>Best Double Couple:Mo=5.4*10**18</p> <p>NP1:Strike=147 Dip=45 Slip=-103</p> <p>NP2: 345 47 -78</p> <p>05 02 59 42.41 16.301S 177.472W 414km</p> <p>5.4mb (74 obs.)</p> <p>FIJI ISLANDS REGION</p> <p>CENTROID, MOMENT TENSOR (HRV)</p> <p>Data Used: GDSN</p> <p>L.P.B.: 58S,122C</p> <p>Centroid Location:</p> <p>Origin Time 02:59:49.0 0.2</p> <p>Lat 16.04S 0.01 Lon 177.24W 0.01</p> <p>Dep 424.7 0.7 Half-duration 2.5</p> <p>Principal Axes:</p> <p>Scale 10**17 Nm</p> <p>T Val= 8.36 Plg= 1 Azm=337</p> <p>N 0.15 2 68</p> <p>P -8.50 87 227</p> <p>Best Double Couple:Mo=8.4*10**17</p> <p>NP1:Strike= 65 Dip=44 Slip= -94</p> <p>NP2: 250 46 -87</p> <p>05 10 09 22.68 10.432N 125.322E 29km</p> <p>5.5mb (59 obs.) 5.5MsZ (42 obs.)</p> <p>LEYTE, PHILIPPINE ISLANDS</p> <p>CENTROID, MOMENT TENSOR (HRV)</p>
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Data Used: GDSN
L.P.B.: 45S, 96C
Centroid Location:
Origin Time 10:09:24.8 0.2
Lat 10.55N 0.02 Lon 125.17E 0.03
Dep 20.0 2.3 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 7.17 Plg= 5 Azm= 0
N -0.84 72 254
P -6.33 18 92
Best Double Couple:Mo=6.8*10**17
NP1:Strike=135 Dip=74 Slip= -9
NP2: 227 81 -164

05 13 31 17.20 12.154S 65.670E 10km
5.0mb (30 obs.) 4.7MsZ (6 obs.)
MID-INDIAN RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 49S, 81C
Centroid Location:
Origin Time 13:31:23.5 0.2
Lat 12.09S 0.03 Lon 65.58E 0.03
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.31 Plg= 1 Azm=283
N -0.47 84 182
P -1.85 6 13
Best Double Couple:Mo=2.1*10**17
NP1:Strike= 58 Dip=85 Slip= -3
NP2: 148 87 -175

06 09 13 10.17 5.983N 125.929E 151km
5.7mb (87 obs.)
MINDANAO, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=353 Dip=82 Slip= 43
NP2: 256 48 169
Principal Axes:
T Plg=35 Azm=224
P 22 117
Comment: The focal mechanism is poorly controlled and corresponds to left-lateral strike-slip faulting with a large reverse component. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 14 Focal mech. F
Energy 1.2±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 144 No. of sta: 14
Principal Axes:
Scale 10**17 Nm
T Val= 7.16 Plg=22 Azm=210
N 0.28 50 328
P -7.44 32 105
Best Double Couple:Mo=7.3*10**17
NP1:Strike=251 Dip=50 Slip=-172
NP2: 155 84 -40
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 51S, 104C
Centroid Location:
Origin Time 09:13:12.5 0.2
Lat 5.98N 0.02 Lon 126.08E 0.02
Dep 148.0 0.7 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 6.72 Plg=28 Azm=216
N -0.14 41 334
P -6.58 36 103
Best Double Couple:Mo=6.7*10**17
NP1:Strike=253 Dip=41 Slip=-173
NP2: 158 85 -49

08 17 10 14.26 0.256N 66.740E 10km
5.1mb (32 obs.) 4.8MsZ (16 obs.)
CARLSBERG RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 33S, 57C
Centroid Location:
Origin Time 17:10:17.7 0.6
Lat 0.42N 0.04 Lon 66.97E 0.04
Dep 15.0 BDY Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.33 Plg=10 Azm=258
N -0.24 78 48
P -1.08 6 167

Best Double Couple:Mo=1.2*10**17
NP1:Strike=302 Dip=79 Slip= 177
NP2: 33 87 11

08 20 32 09.58 28.855S 75.314E 10km
5.0mb (11 obs.)
MID-INDIAN RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 19C
Centroid Location:
Origin Time 20:32:11.8 1.1
Lat 28.86S 0.13 Lon 74.78E 0.18
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.93 Plg=37 Azm=203
N 2.49 23 94
P -8.42 44 340
Best Double Couple:Mo=7.2*10**16
NP1:Strike=355 Dip=23 Slip= -9
NP2: 93 87 -113

09 15 57 58.62 37.217S 95.101W 26km
5.4mb (23 obs.) 5.1MsZ (46 obs.)
SOUTHERN PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 48S, 111C
Centroid Location:
Origin Time 15:58: 1.2 0.2
Lat 37.01S 0.03 Lon 95.43W 0.03
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.67 Plg=13 Azm= 77
N -1.12 19 172
P -3.56 66 315
Best Double Couple:Mo=4.1*10**17
NP1:Strike=143 Dip=36 Slip=-124
NP2: 3 61 -68

10 02 58 33.62 13.770S 167.165E 199km
5.4mb (38 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 22C
Centroid Location:
Origin Time 02:58:37.0 0.7
Lat 13.79S 0.08 Lon 166.82E 0.07
Dep 188.7 2.6 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 11.03 Plg=65 Azm=141
N -1.77 23 343
P -9.26 8 249
Best Double Couple:Mo=1.0*10**17
NP1:Strike=315 Dip=42 Slip= 54
NP2: 179 57 118

10 23 14 06.45 36.478N 70.150E 230km
4.8mb (86 obs.)
HINDU KUSH REGION, AFGHANISTAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 15C
Centroid Location:
Origin Time 23:14: 8.5 1.0
Lat 36.60N 0.12 Lon 70.36E 0.07
Dep 226.3 5.2 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.92 Plg=53 Azm=354
N 0.27 13 101
P -7.19 34 200
Best Double Couple:Mo=7.1*10**16
NP1:Strike=332 Dip=16 Slip= 142
NP2: 99 80 77

12 13 47 34.51 19.756N 70.924W 33km
5.0mb (68 obs.) 5.1MsZ (32 obs.)
DOMINICAN REPUBLIC REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 39S, 63C
Centroid Location:
Origin Time 13:47:38.4 0.4
Lat 19.77N 0.05 Lon 70.77W 0.04
Dep 15.1 2.6 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 3.12 Plg=51 Azm=188

N -0.05 8 288
P -3.07 38 25
Best Double Couple:Mo=3.1*10**17
NP1:Strike=161 Dip=10 Slip= 143
NP2: 287 84 82

13 00 25 14.43 16.644S 167.469E 33km
5.4mb (19 obs.) 5.1MsZ (32 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 35S, 44C
Centroid Location:
Origin Time 00:25:19.4 0.4
Lat 16.46S 0.06 Lon 167.48E 0.05
Dep 21.3 5.2 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 13.79 Plg=40 Azm=121
N -2.81 38 350
P -10.98 27 237
Best Double Couple:Mo=1.2*10**17
NP1:Strike=276 Dip=39 Slip= 13
NP2: 176 82 128

13 02 35 56.02 16.620S 167.518E 33km
6.4mb (76 obs.) 7.3MsZ (58 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=184 Dip=80 Slip= 145
NP2: 281 56 12
Principal Axes:
T Plg=31 Azm=137
P 16 237
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 16 Focal mech. F
Energy 7.3±2.0*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 34 No. of sta: 24
Principal Axes:
Scale 10**19 Nm
T Val= 5.42 Plg=21 Azm=125
N -0.62 59 353
P -4.80 21 223
Best Double Couple:Mo=5.1*10**19
NP1:Strike=264 Dip=59 Slip= 0
NP2: 174 90 149
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 58S, 167C M.W.: 56S, 142C
Centroid Location:
Origin Time 02:36: 9.3 0.1
Lat 16.50S FIX; Lon 167.35E FIX
Dep 25.0 BDY Half-duration 9.9
Principal Axes:
Scale 10**19 Nm
T Val= 7.14 Plg=33 Azm=125
N -1.03 42 0
P -6.11 31 238
Best Double Couple:Mo=6.6*10**19
NP1:Strike=272 Dip=42 Slip= 2
NP2: 181 89 132

13 03 13 19.31 16.812S 167.249E 33km
6.1mb (54 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 31S, 51C
Centroid Location:
Origin Time 03:13:24.4 0.7
Lat 16.47S 0.09 Lon 167.79E 0.06
Dep 28.4 4.0 Half-duration 5.0
Principal Axes:
Scale 10**19 Nm
T Val= 1.12 Plg=42 Azm= 98
N 0.02 15 354
P -1.14 45 249
Best Double Couple:Mo=1.1*10**19
NP1:Strike=258 Dip=15 Slip= -7
NP2: 354 88 -105

13 11 45 23.36 7.532S 127.770E 159km
6.5mb (74 obs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves

NP1:Strike= 72 Dip=53 Slip= 70	Origin Time 07:11: 1.8 0.8	L.P.B.: 28S, 42C
NP2: 283 41 114	Lat 4.94S 0.16 Lon 133.97E 0.13	Centroid Location:
Principal Axes:	Dep 15.9 5.8 Half-duration 1.0	Origin Time 17:53:12.9 0.5
T Plg=73 Azm=286	Principal Axes:	Lat 48.63N 0.06 Lon 153.77E 0.07
P 6 176	Scale 10**16 Nm	Dep 127.2 2.0 Half-duration 1.1
Comment: The focal mechanism is	T Val= 5.24 Plg= 2 Azm=283	Principal Axes:
poorly controlled and	N 1.91 28 192	Scale 10**16 Nm
corresponds to reverse	P -7.15 62 17	T Val= 10.22 Plg=36 Azm= 97
faulting with a moderate	Best Double Couple:Mo=6.2*10**16	N 2.50 19 201
right-lateral strike-slip	NP1:Strike= 39 Dip=50 Slip= -52	P -12.72 48 314
component. The preferred	NP2: 169 53 -126	Best Double Couple:Mo=1.1*10**17
fault plane is NP2.		NP1:Strike=132 Dip=20 Slip=-161
RADIATED ENERGY	14 08 25 38.77 16.709S 167.366E 30km	NP2: 24 83 -71
No. of sta: 15 Focal mech. F	5.3mb (22 obs.) 5.3MsZ (13 obs.)	
Energy 3.6±0.7*10**14 Nm	VANUATU ISLANDS	16 18 05 05.60 4.619S 125.615E 443km
MOMENT TENSOR SOLUTION	CENTROID, MOMENT TENSOR (HRV)	5.8mb (64 obs.)
Dep 169 No. of sta: 16	Data Used: GDSN	BANDA SEA
Principal Axes:	L.P.B.: 41S, 75C	FAULT PLANE SOLUTION: P-Waves
Scale 10**18 Nm	Centroid Location:	NP1:Strike=300 Dip=82 Slip= -80
T Val= 5.78 Plg=67 Azm=313	Origin Time 08:25:41.4 0.3	NP2: 68 13 -141
N -0.87 21 106	Lat 16.49S 0.05 Lon 167.63E 0.04	Principal Axes:
P -4.92 10 200	Dep 24.6 2.3 Half-duration 1.4	T Plg=36 Azm= 21
Best Double Couple:Mo=5.3*10**18	Principal Axes:	P 52 222
NP1:Strike=313 Dip=40 Slip= 124	Scale 10**17 Nm	Comment: The focal mechanism is
NP2: 92 58 65	T Val= 3.25 Plg=46 Azm= 77	poorly controlled and
CENTROID, MOMENT TENSOR (HRV)	N 0.62 17 328	corresponds to normal
Data Used: GDSN	P -3.87 39 223	faulting with a small left-
L.P.B.: 56S,148C M.W.: 44S, 88C	Best Double Couple:Mo=3.6*10**17	lateral strike-slip
Centroid Location:	NP1:Strike=251 Dip=18 Slip= 12	component. The preferred
Origin Time 11:45:30.5 0.1	NP2: 149 86 107	fault plane is NP1.
Lat 7.63S 0.01 Lon 127.90E 0.01		RADIATED ENERGY
Dep 179.2 0.4 Half-duration 4.4	14 11 26 33.47 16.797S 167.423E 21km	No. of sta: 12 Focal mech. F
Principal Axes:	5.1mb (7 obs.) 4.8MsZ (6 obs.)	Energy 3.2±0.8*10**12 Nm
Scale 10**18 Nm	VANUATU ISLANDS	MOMENT TENSOR SOLUTION
T Val= 6.46 Plg=62 Azm=302	CENTROID, MOMENT TENSOR (HRV)	Dep 452 No. of sta: 7
N -0.64 26 100	Data Used: GDSN	Principal Axes:
P -5.82 9 194	L.P.B.: 26S, 37C	Scale 10**17 Nm
Best Double Couple:Mo=6.1*10**18	Centroid Location:	T Val= 3.91 Plg=31 Azm= 28
NP1:Strike=312 Dip=42 Slip= 131	Origin Time 11:26:37.0 0.4	N 0.00 1 298
NP2: 83 60 59	Lat 16.38S 0.08 Lon 167.18E 0.07	P -3.91 59 205
	Dep 15.0 FIX Half-duration 1.1	Best Double Couple:Mo=3.9*10**17
14 00 09 24.70 16.582S 167.452E 20km	Principal Axes:	NP1:Strike=123 Dip=14 Slip= -84
5.6mb (44 obs.) 5.9MsZ (53 obs.)	Scale 10**16 Nm	NP2: 297 76 -91
VANUATU ISLANDS	T Val= 9.07 Plg=55 Azm=125	CENTROID, MOMENT TENSOR (HRV)
FAULT PLANE SOLUTION: P-Waves	N 2.33 22 0	Data Used: GDSN
NP1:Strike=340 Dip=72 Slip=-130	P -11.40 26 258	L.P.B.: 40S, 62C
NP2: 230 43 -27	Best Double Couple:Mo=1.0*10**17	Centroid Location:
Principal Axes:	NP1:Strike=308 Dip=27 Slip= 35	Origin Time 18:05:10.7 0.3
T Plg=17 Azm= 98	NP2: 186 74 113	Lat 4.57S 0.03 Lon 125.57E 0.04
P 47 208		Dep 466.1 1.5 Half-duration 1.6
Comment: The focal mechanism is	14 18 38 09.83 55.403N 163.814W 167km	Principal Axes:
poorly controlled and	5.2mb (90 obs.)	Scale 10**17 Nm
corresponds to normal	UNIMAK ISLAND REGION	T Val= 2.88 Plg=40 Azm= 24
faulting with a large strike-	CENTROID, MOMENT TENSOR (HRV)	N 0.67 8 121
slip component. The preferred	Data Used: GDSN	P -3.56 49 220
fault plane is not	L.P.B.: 45S, 78C	Best Double Couple:Mo=3.2*10**17
determined.	Centroid Location:	NP1:Strike= 63 Dip= 9 Slip=-148
RADIATED ENERGY	Origin Time 18:38:11.8 0.3	NP2: 301 85 -82
No. of sta: 11 Focal mech. F	Lat 55.23N 0.03 Lon 163.61W 0.04	
Energy 2.9±0.7*10**12 Nm	Dep 164.3 0.7 Half-duration 1.3	17 04 42 41.94 5.941S 107.515E 314km
MOMENT TENSOR SOLUTION	Principal Axes:	5.1mb (25 obs.)
Dep 24 No. of sta: 24	Scale 10**17 Nm	JAWA, INDONESIA
Principal Axes:	T Val= 1.92 Plg= 8 Azm=268	CENTROID, MOMENT TENSOR (HRV)
Scale 10**17 Nm	N -0.06 15 0	Data Used: GDSN
T Val= 8.06 Plg=31 Azm= 70	P -1.86 72 151	L.P.B.: 16S, 17C
N 1.94 0 160	Best Double Couple:Mo=1.9*10**17	Centroid Location:
P -10.00 59 251	NP1:Strike=340 Dip=39 Slip=-115	Origin Time 04:42:44.4 0.5
Best Double Couple:Mo=9.0*10**17	NP2: 191 55 -71	Lat 5.89S 0.07 Lon 107.15E 0.11
NP1:Strike=160 Dip=14 Slip= -90		Dep 308.7 3.2 Half-duration 1.0
NP2: 340 76 -90	15 16 04 30.49 16.559S 167.476E 33km	Principal Axes:
CENTROID, MOMENT TENSOR (HRV)	5.2mb (14 obs.) 4.7MsZ (7 obs.)	Scale 10**16 Nm
Data Used: GDSN	VANUATU ISLANDS	T Val= 8.31 Plg=56 Azm=333
L.P.B.: 55S,108C	CENTROID, MOMENT TENSOR (HRV)	N -0.83 16 89
Centroid Location:	Data Used: GDSN	P -7.48 29 188
Origin Time 00:09:31.9 0.2	L.P.B.: 16S, 24C	Best Double Couple:Mo=7.9*10**16
Lat 16.47S 0.02 Lon 167.46E 0.02	Centroid Location:	NP1:Strike=315 Dip=22 Slip= 139
Dep 28.0 BDY Half-duration 2.2	Origin Time 16:04:22.8 2.2	NP2: 84 76 73
Principal Axes:	Lat 16.53S 0.14 Lon 168.22E 0.16	
Scale 10**17 Nm	Dep 33.0 FIX Half-duration 1.1	17 22 04 58.06 16.680S 167.383E 33km
T Val= 8.73 Plg=27 Azm= 99	Principal Axes:	5.4mb (18 obs.) 5.2MsZ (18 obs.)
N -0.34 26 354	Scale 10**16 Nm	VANUATU ISLANDS
P -8.39 51 228	T Val= 6.49 Plg=24 Azm= 97	CENTROID, MOMENT TENSOR (HRV)
Best Double Couple:Mo=8.6*10**17	N 1.85 9 191	Data Used: GDSN
NP1:Strike=233 Dip=29 Slip= -28	P -8.35 65 300	L.P.B.: 33S, 47C
NP2: 348 77 -117	Best Double Couple:Mo=7.4*10**16	Centroid Location:
	NP1:Strike=170 Dip=23 Slip=-113	Origin Time 22:05: 0.2 0.4
14 07 10 59.93 5.437S 133.782E 28km	NP2: 15 69 -81	Lat 16.46S 0.06 Lon 167.62E 0.05
5.1mb (16 obs.) 4.6MsZ (3 obs.)	15 17 53 07.88 48.783N 153.619E 118km	Dep 15.0 FIX Half-duration 1.3
ARU ISLANDS REGION, INDONESIA	5.0mb (79 obs.)	Principal Axes:
CENTROID, MOMENT TENSOR (HRV)	KURIL ISLANDS	Scale 10**17 Nm
Data Used: GDSN	CENTROID, MOMENT TENSOR (HRV)	T Val= 2.83 Plg=52 Azm= 48
L.P.B.: 21S, 24C	Data Used: GDSN	N 0.05 5 144
Centroid Location:		P -2.88 38 238

Best Double Couple:Mo=2.9*10**17
NP1:Strike= 1 Dip= 9 Slip= 127
NP2: 144 83 85

18 02 24 38.70 29.573S 177.318W 38km
5.4mb (21 obs.) 5.5MsZ (20 obs.)
KERMADEC ISLANDS, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 53S,112C
Centroid Location:
Origin Time 02:24:42.2 0.2
Lat 29.41S 0.03 Lon 176.66W 0.02
Dep 16.0 BDY Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 3.83 Plg=68 Azm=280
N 0.52 2 16
P -4.35 22 107
Best Double Couple:Mo=4.1*10**17
NP1:Strike=201 Dip=23 Slip= 96
NP2: 15 67 87

18 16 33 59.84 9.591S 112.939E 33km
5.6mb (39 obs.) 5.0MsZ (12 obs.)
SOUTH OF JAWA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 33S, 54C
Centroid Location:
Origin Time 16:34: 9.5 0.7
Lat 9.23S 0.05 Lon 113.16E 0.04
Dep 59.1 3.1 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.20 Plg=16 Azm=347
N -0.35 51 97
P -1.85 35 245
Best Double Couple:Mo=2.0*10**17
NP1:Strike= 32 Dip=53 Slip=-165
NP2: 292 78 -38

18 18 01 18.92 29.54 S 177.49 W 138km
5.0mb (6 obs.)
KERMADEC ISLANDS, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 18C
Centroid Location:
Origin Time 18:01: 8.7 1.7
Lat 29.32S 0.16 Lon 178.54W 0.15
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 10.55 Plg=31 Azm=271
N -0.64 18 13
P -9.91 53 128
Best Double Couple:Mo=1.0*10**17
NP1:Strike=317 Dip=21 Slip=-148
NP2: 197 79 -72

18 21 52 41.91 30.102S 176.973W 33km
5.2mb (5 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 14C
Centroid Location:
Origin Time 21:52:55.5 1.1
Lat 29.41S FIX;Lon 177.43W FIX
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 4.97 Plg=67 Azm=337
N -0.84 19 191
P -4.14 12 97
Best Double Couple:Mo=4.6*10**16
NP1:Strike=164 Dip=37 Slip= 57
NP2: 23 60 112

19 11 59 44.54 23.438S 175.470W 50km
5.3mb (37 obs.) 5.7MsZ (46 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 52S, 99C
Centroid Location:
Origin Time 11:59:46.2 0.2
Lat 23.68S 0.02 Lon 174.97W 0.02
Dep 51.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 2.86 Plg=74 Azm=310

N 0.53 5 203
P -3.39 16 112
Best Double Couple:Mo=3.1*10**17
NP1:Strike=195 Dip=30 Slip= 80
NP2: 26 61 96

20 04 52 59.00 7.025S 156.765E 33km
5.0mb (27 obs.) 4.9MsZ (9 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 49S, 80C
Centroid Location:
Origin Time 04:53: 1.9 0.3
Lat 7.16S 0.03 Lon 157.08E 0.03
Dep 18.8 3.1 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 1.75 Plg= 0 Azm=150
N 0.27 77 58
P -2.02 13 240
Best Double Couple:Mo=1.9*10**17
NP1:Strike=285 Dip=81 Slip= -9
NP2: 16 81 -171

21 18 36 31.74 42.340N 132.865E 471km
6.5mb (125 obs.)
NEAR SOUTHEAST COAST OF RUSSIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=155 Dip=90 Slip= 42
NP2: 65 48 180
Principal Axes:
T Plg=28 Azm= 28
P 28 282
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large vertical component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 33 Focal mech. M
Energy 7.0±1.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 489 No. of sta: 42
Principal Axes:
Scale 10**19 Nm
T Val= 8.57 Plg=34 Azm= 38
N 0.82 35 156
P -9.39 37 278
Best Double Couple:Mo=9.0*10**19
NP1:Strike= 69 Dip=35 Slip=-177
NP2: 337 89 -55
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 56S,161C M.W.: 52S,131C
Centroid Location:
Origin Time 18:36:39.5 0.1
Lat 42.30N 0.01 Lon 133.04E 0.01
Dep 489.1 0.4 Half-duration 10.8
Principal Axes:
Scale 10**19 Nm
T Val= 9.90 Plg=37 Azm= 36
N 2.11 34 156
P -12.01 35 274
Best Double Couple:Mo=1.1*10**20
NP1:Strike= 64 Dip=34 Slip= 178
NP2: 155 89 56

21 18 55 58.87 41.253N 132.310E 514km
5.8mb (140 obs.)
SEA OF JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=330 Dip=80 Slip= -20
NP2: 64 70 -169
Principal Axes:
T Plg= 7 Azm= 18
P 21 285
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.

22 16 57 48.42 7.777S 158.417E 19km
5.9mb (82 obs.) 5.9MsZ (55 obs.)
SOLOMON ISLANDS
RADIATED ENERGY
No. of sta: 21 Focal mech. M
Energy 5.7±1.1*10**12 Nm

MOMENT TENSOR SOLUTION
Dep 20 No. of sta: 27
Principal Axes:
Scale 10**17 Nm
T Val= 6.30 Plg=85 Azm=261
N -0.29 3 132
P -6.01 4 42
Best Double Couple:Mo=6.2*10**17
NP1:Strike=129 Dip=41 Slip= 85
NP2: 315 49 94
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 57S,125C
Centroid Location:
Origin Time 16:57:54.8 0.1
Lat 7.72S 0.01 Lon 158.69E 0.01
Dep 28.0 BDY Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 10.48 Plg=79 Azm=240
N -0.05 5 126
P -10.44 10 35
Best Double Couple:Mo=1.0*10**18
NP1:Strike=119 Dip=35 Slip= 82
NP2: 309 56 96

23 04 38 43.51 1.031S 97.475E 32km
5.2mb (56 obs.)
SOUTHWEST OF SUMATERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 12C
Centroid Location:
Origin Time 04:38:49.9 1.5
Lat 1.01S FIX;Lon 97.50E FIX
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 3.75 Plg=11 Azm=172
N 1.51 13 80
P -5.26 72 301
Best Double Couple:Mo=4.5*10**16
NP1:Strike=279 Dip=36 Slip= -67
NP2: 71 58 -106

23 07 22 05.55 16.714N 61.367W 68km
5.4mb (95 obs.)
LEEWARD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 53S, 93C
Centroid Location:
Origin Time 07:22: 8.0 0.3
Lat 16.76N 0.03 Lon 61.11W 0.03
Dep 41.0 BDY Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.88 Plg=65 Azm=240
N -0.06 1 333
P -1.83 25 64
Best Double Couple:Mo=1.9*10**17
NP1:Strike=157 Dip=20 Slip= 94
NP2: 333 70 88

23 12 58 01.25 15.788S 173.030W 41km
5.3mb (52 obs.) 5.6MsZ (59 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 56S,131C
Centroid Location:
Origin Time 12:58: 6.2 0.1
Lat 15.73S 0.02 Lon 172.55W 0.01
Dep 18.0 BDY Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 8.27 Plg=64 Azm=292
N 0.16 7 188
P -8.43 25 95
Best Double Couple:Mo=8.4*10**17
NP1:Strike=170 Dip=21 Slip= 71
NP2: 10 70 97

23 20 57 59.06 31.068N 86.549E 16km
5.1mb (78 obs.) 5.0MsZ (9 obs.)
XIZANG
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 36C
Centroid Location:
Origin Time 20:58: 9.6 0.4
Lat 31.04N FIX;Lon 86.51E FIX
Dep 17.0 FIX Half-duration 1.5

Principal Axes:	Principal Axes:	T Val= 1.24 Plg=78 Azm=312
Scale 10**17 Nm	Scale 10**18 Nm	N -0.08 11 117
T Val= 1.90 Plg=22 Azm=101	T Val= 3.27 Plg=40 Azm=116	P -1.16 3 207
N -0.66 65 253	N 0.01 28 360	Best Double Couple:Mo=1.2*10**17
P -1.24 10 7	P -3.28 37 246	NP1:Strike=309 Dip=43 Slip= 107
Best Double Couple:Mo=1.6*10**17	Best Double Couple:Mo=3.3*10**18	NP2: 107 49 75
NP1:Strike=142 Dip=67 Slip= 171	NP1:Strike=273 Dip=28 Slip= 3	
NP2: 235 82 23	NP2: 181 89 118	
	CENTROID, MOMENT TENSOR (HRV)	25 17 41 50.61 35.015N 124.447E 10km
24 06 07 02.39 5.726S 153.983E 51km	Data Used: GDSN	5.0mb (71 obs.) 5.0Msz (10 obs.)
5.4mb (51 obs.) 5.3Msz (41 obs.)	L.P.B.: 61S,152C M.W.: 45S, 71C	YELLOW SEA
NEW IRELAND REGION, P.N.G.	Centroid Location:	CENTROID, MOMENT TENSOR (HRV)
CENTROID, MOMENT TENSOR (HRV)	Origin Time 17:55:47.7 0.1	Data Used: GDSN
Data Used: GDSN	Lat 16.87S 0.01 Lon 167.57E 0.01	L.P.B.: 11S, 16C
L.P.B.: 54S, 86C	Dep 17.0 BDY Half-duration 3.9	Centroid Location:
Centroid Location:	Principal Axes:	Origin Time 17:41:52.0 0.5
Origin Time 06:07: 4.6 0.2	Scale 10**18 Nm	Lat 34.97N FIX;Lon 124.43E FIX
Lat 5.91S 0.02 Lon 153.92E 0.02	T Val= 3.94 Plg=45 Azm=111	Dep 15.0 FIX Half-duration 1.0
Dep 45.7 1.5 Half-duration 1.7	N 0.13 22 357	Principal Axes:
Principal Axes:	P -4.08 37 249	Scale 10**16 Nm
Scale 10**17 Nm	Best Double Couple:Mo=4.0*10**18	T Val= 8.04 Plg= 0 Azm=151
T Val= 2.53 Plg=81 Azm= 18	NP1:Strike=279 Dip=23 Slip= 11	N -1.81 90 180
N 0.13 6 146	NP2: 179 86 112	P -6.23 0 61
P -2.66 7 237		Best Double Couple:Mo=7.1*10**16
Best Double Couple:Mo=2.6*10**17	24 20 37 52.43 16.984S 167.388E 33km	NP1:Strike=196 Dip=90 Slip=-180
NP1:Strike=333 Dip=38 Slip= 99	4.9mb (7 obs.) 4.9Msz (1 obs.)	NP2: 286 90 0
NP2: 142 52 83	VANUATU ISLANDS	
	CENTROID, MOMENT TENSOR (HRV)	25 22 00 22.98 56.362S 27.365W 81km
24 09 06 05.68 17.889S 172.967W 33km	Data Used: GDSN	6.3mb (36 obs.)
5.3mb (43 obs.) 5.1Msz (40 obs.)	L.P.B.: 12S, 15C	SOUTH SANDWICH ISLANDS REGION
TONGA ISLANDS REGION	Centroid Location:	FAULT PLANE SOLUTION: P-waves
CENTROID, MOMENT TENSOR (HRV)	Origin Time 20:38: 4.8 1.4	NP1:Strike=315 Dip=80 Slip= 30
Data Used: GDSN	Lat 16.61S FIX;Lon 167.11E FIX	NP2: 219 61 168
L.P.B.: 51S, 87C	Dep 15.0 FIX Half-duration 1.1	Principal Axes:
Centroid Location:	Principal Axes:	T Plg=28 Azm=181
Origin Time 09:06: 9.2 0.2	Scale 10**16 Nm	P 13 84
Lat 17.87S 0.03 Lon 172.70W 0.02	T Val= 9.56 Plg=11 Azm=133	Comment: The focal mechanism is
Dep 15.0 FIX Half-duration 1.4	N 1.35 57 26	poorly controlled and
Principal Axes:	P -10.90 31 230	corresponds to strike-slip
Scale 10**17 Nm	Best Double Couple:Mo=1.0*10**17	faulting with a moderate
T Val= 2.48 Plg=66 Azm=295	NP1:Strike=267 Dip=60 Slip= -16	reverse component. The
N 0.30 8 185	NP2: 5 76 -149	preferred fault plane is not
P -2.79 22 92		determined.
Best Double Couple:Mo=2.6*10**17	24 21 57 27.40 10.654S 113.269E 34km	MOMENT TENSOR SOLUTION
NP1:Strike=166 Dip=24 Slip= 69	6.0mb (54 obs.)	Dep 73 No. of sta: 10
NP2: 9 68 99	SOUTH OF JAWA, INDONESIA	Principal Axes:
	CENTROID, MOMENT TENSOR (HRV)	Scale 10**18 Nm
24 14 24 43.80 36.182S 101.041W 10km	Data Used: GDSN	T Val= 8.39 Plg=32 Azm=162
4.9mb (13 obs.) 5.2Msz (1 obs.)	L.P.B.: 32S, 53C	N 0.06 54 312
SOUTHERN PACIFIC OCEAN	Centroid Location:	P -8.45 15 62
CENTROID, MOMENT TENSOR (HRV)	Origin Time 21:57:33.1 0.5	Best Double Couple:Mo=8.4*10**18
Data Used: GDSN	Lat 10.74S 0.04 Lon 114.09E 0.07	NP1:Strike=198 Dip=56 Slip= 166
L.P.B.: 31S, 49C	Dep 53.8 4.0 Half-duration 1.3	NP2: 296 79 35
Centroid Location:	Principal Axes:	
Origin Time 14:24:46.7 0.3	Scale 10**17 Nm	27 09 55 55.31 3.308S 139.149E 91km
Lat 36.25S 0.04 Lon 100.65W 0.05	T Val= 1.71 Plg= 7 Azm=343	5.3mb (36 obs.)
Dep 15.0 FIX Half-duration 1.3	N -0.44 50 245	IRIAN JAYA, INDONESIA
Principal Axes:	P -1.27 39 79	CENTROID, MOMENT TENSOR (HRV)
Scale 10**17 Nm	Best Double Couple:Mo=1.5*10**17	Data Used: GDSN
T Val= 1.39 Plg= 3 Azm=234	NP1:Strike=113 Dip=58 Slip= -25	L.P.B.: 40S, 64C
N 0.19 85 103	NP2: 217 69 -146	Centroid Location:
P -1.59 4 324		Origin Time 09:55:57.0 0.2
Best Double Couple:Mo=1.5*10**17	25 04 39 17.46 56.967S 25.497W 33km	Lat 3.23S 0.02 Lon 139.35E 0.03
NP1:Strike= 9 Dip=85 Slip= 0	5.6mb (16 obs.) 5.1Msz (27 obs.)	Dep 71.5 2.5 Half-duration 1.5
NP2: 99 90 -175	SOUTH SANDWICH ISLANDS REGION	Principal Axes:
	CENTROID, MOMENT TENSOR (HRV)	Scale 10**17 Nm
24 14 47 48.05 37.006N 71.662E 120km	Data Used: GDSN	T Val= 1.38 Plg=61 Azm=301
5.6mb (118 obs.)	L.P.B.: 41S, 67C	N -0.03 27 97
AFGHANISTAN-TAJIKISTAN BORD REG.	Centroid Location:	P -1.34 10 192
CENTROID, MOMENT TENSOR (HRV)	Origin Time 04:39:20.6 0.2	Best Double Couple:Mo=1.4*10**17
Data Used: GDSN	Lat 57.12S 0.02 Lon 25.56W 0.05	NP1:Strike=312 Dip=42 Slip= 133
L.P.B.: 18S, 22C	Dep 45.1 1.7 Half-duration 1.6	NP2: 80 61 59
Centroid Location:	Principal Axes:	
Origin Time 14:47:55.8 1.4	Scale 10**17 Nm	27 12 33 37.77 15.195N 146.991E 28km
Lat 37.27N 0.16 Lon 71.31E 0.09	T Val= 2.86 Plg=55 Azm=258	5.0mb (45 obs.) 4.5Msz (7 obs.)
Dep 130.0 4.3 Half-duration 1.0	N -0.32 35 88	MARIANA ISLANDS
Principal Axes:	P -2.54 4 355	CENTROID, MOMENT TENSOR (HRV)
Scale 10**16 Nm	Best Double Couple:Mo=2.7*10**17	Data Used: GDSN
T Val= 7.47 Plg=25 Azm=166	NP1:Strike= 53 Dip=51 Slip= 43	L.P.B.: 12S, 14C
N 2.33 36 56	NP2: 293 58 132	Centroid Location:
P -9.81 44 282		Origin Time 12:33:42.8 1.0
Best Double Couple:Mo=8.6*10**16	25 15 46 45.86 7.758S 158.452E 29km	Lat 15.18N FIX;Lon 146.97E FIX
NP1:Strike=304 Dip=38 Slip= -18	5.6mb (66 obs.) 5.1Msz (38 obs.)	Dep 38.0 FIX Half-duration 1.1
NP2: 48 79 -127	SOLOMON ISLANDS	Principal Axes:
	CENTROID, MOMENT TENSOR (HRV)	Scale 10**16 Nm
24 17 55 40.38 16.966S 167.574E 21km	Data Used: GDSN	T Val= 8.97 Plg=47 Azm=216
5.9mb (66 obs.) 6.5Msz (64 obs.)	L.P.B.: 40S, 65C	N 0.20 19 328
VANUATU ISLANDS	Centroid Location:	P -9.16 36 73
RADIATED ENERGY	Origin Time 15:46:48.8 0.3	Best Double Couple:Mo=9.1*10**16
No. of sta: 22 Focal mech. M	Lat 7.67S 0.03 Lon 158.68E 0.03	NP1:Strike=220 Dip=20 Slip= 163
Energy 3.8±0.6*10**13 Nm	Dep 39.3 2.4 Half-duration 1.1	NP2: 326 84 71
MOMENT TENSOR SOLUTION	Principal Axes:	
Dep 18 No. of sta: 30	Scale 10**17 Nm	28 01 39 07.10 16.194S 172.806W 33km
		4.9mb (30 obs.) 4.7Msz (11 obs.)

<p>SAMOA ISLANDS REGION CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 31S, 45C Centroid Location: Origin Time 01:39:11.4 0.5 Lat 16.18S 0.06 Lon 172.50W 0.05 Dep 15.0 FIX Half-duration 1.1 Principal Axes: Scale 10**16 Nm T Val= 12.06 Plg=65 Azm=265 N -0.33 3 2 P -11.73 25 93 Best Double Couple:Mo=1.2*10**17 NP1:Strike=190 Dip=20 Slip= 99 NP2: 1 70 87</p> <p>28 08 03 01.85 47.278S 100.224E 10km 5.3mb (12 obs.) 5.7MsZ (8 obs.) SOUTHEAST INDIAN RIDGE CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 56S, 128C Centroid Location: Origin Time 08:03: 7.4 0.1 Lat 47.49S 0.02 Lon 99.75E 0.03 Dep 15.0 BDY Half-duration 1.9 Principal Axes: Scale 10**17 Nm T Val= 6.10 Plg= 6 Azm=349 N -0.02 82 127 P -6.08 5 259 Best Double Couple:Mo=6.1*10**17 NP1:Strike= 34 Dip=82 Slip= 180 NP2: 124 90 8</p> <p>28 20 10 02.50 16.667S 174.182W 123km 5.0mb (32 obs.) TONGA ISLANDS CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 19S, 23C Centroid Location: Origin Time 20:10:10.3 0.7 Lat 16.51S 0.09 Lon 174.00W 0.06 Dep 145.5 2.2 Half-duration 1.1 Principal Axes: Scale 10**16 Nm T Val= 9.69 Plg=68 Azm=233 N -3.46 8 344 P -6.24 20 77 Best Double Couple:Mo=8.0*10**16 NP1:Strike=181 Dip=26 Slip= 108 NP2: 340 66 81</p> <p>29 00 17 45.41 52.398N 168.333W 11km 6.0mb (140 obs.) 5.6MsZ (42 obs.) FOX ISLANDS, ALEUTIAN ISLANDS FAULT PLANE SOLUTION: P-Waves NP1:Strike= 65 Dip=75 Slip= 90 NP2: 245 15 90 Principal Axes: T Plg=60 Azm=335 P 30 155 Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2. RADIATED ENERGY No. of sta: 37 Focal mech. F Energy 4.3±0.5*10**12 Nm MOMENT TENSOR SOLUTION Dep 21 No. of sta: 33 Principal Axes: Scale 10**17 Nm T Val= 5.87 Plg=48 Azm= 6 N -0.21 28 239 P -5.67 28 133 Best Double Couple:Mo=5.8*10**17 NP1:Strike=176 Dip=31 Slip= 23 NP2: 66 79 119 CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 61S, 129C</p>	<p>Centroid Location: Origin Time 00:17:50.4 0.1 Lat 52.23N 0.02 Lon 168.01W 0.03 Dep 20.0 1.2 Half-duration 2.1 Principal Axes: Scale 10**17 Nm T Val= 5.91 Plg=63 Azm=332 N 0.25 1 65 P -6.16 27 155 Best Double Couple:Mo=6.0*10**17 NP1:Strike=248 Dip=18 Slip= 94 NP2: 64 72 89</p> <p>29 05 42 27.63 52.343N 168.342W 22km 5.4mb (109 obs.) 4.5MsZ (14 obs.) FOX ISLANDS, ALEUTIAN ISLANDS CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 28S, 35C Centroid Location: Origin Time 05:42:29.3 0.7 Lat 52.25N 0.09 Lon 167.82W 0.14 Dep 24.5 4.7 Half-duration 1.1 Principal Axes: Scale 10**16 Nm T Val= 8.21 Plg=60 Azm= 17 N 0.81 19 251 P -9.02 23 153 Best Double Couple:Mo=8.6*10**16 NP1:Strike=210 Dip=28 Slip= 46 NP2: 78 70 110</p> <p>29 07 53 28.47 16.984S 167.739E 14km 5.7mb (50 obs.) 5.8MsZ (47 obs.) VANUATU ISLANDS FAULT PLANE SOLUTION: P-Waves NP1:Strike=145 Dip=70 Slip= 90 NP2: 325 20 90 Principal Axes: T Plg=65 Azm= 55 P 25 235 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 1.7±0.4*10**12 Nm MOMENT TENSOR SOLUTION Dep 28 No. of sta: 27 Principal Axes: Scale 10**17 Nm T Val= 6.84 Plg=71 Azm=152 N -0.37 18 353 P -6.47 6 261 Best Double Couple:Mo=6.7*10**17 NP1:Strike=332 Dip=42 Slip= 62 NP2: 187 54 113 CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 57S, 118C Centroid Location: Origin Time 07:53:35.2 0.1 Lat 16.90S 0.02 Lon 167.63E 0.02 Dep 28.0 BDY Half-duration 1.1 Principal Axes: Scale 10**17 Nm T Val= 6.57 Plg=82 Azm= 66 N 1.05 0 156 P -7.62 8 246 Best Double Couple:Mo=7.1*10**17 NP1:Strike=336 Dip=37 Slip= 90 NP2: 156 53 90</p> <p>29 13 12 51.23 16.920S 167.742E 36km 5.2mb (20 obs.) 5.2MsZ (29 obs.) VANUATU ISLANDS CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 41S, 70C Centroid Location: Origin Time 13:12:52.3 0.3 Lat 17.05S 0.04 Lon 167.58E 0.03 Dep 32.9 2.2 Half-duration 1.2</p>	<p>Principal Axes: Scale 10**17 Nm T Val= 1.31 Plg=83 Azm=260 N 0.30 1 164 P -1.62 7 74 Best Double Couple:Mo=1.5*10**17 NP1:Strike=163 Dip=38 Slip= 89 NP2: 345 52 91</p> <p>30 14 34 08.78 23.227S 179.137E 545km 5.1mb (53 obs.) SOUTH OF FIJI ISLANDS CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 23S, 24C Centroid Location: Origin Time 14:34:13.7 0.6 Lat 23.08S 0.10 Lon 179.21E 0.08 Dep 571.0 4.5 Half-duration 1.2 Principal Axes: Scale 10**16 Nm T Val= 11.63 Plg= 0 Azm=227 N 0.55 52 137 P -12.17 38 317 Best Double Couple:Mo=1.2*10**17 NP1:Strike=355 Dip=64 Slip= -29 NP2: 99 64 -151</p> <p>30 21 21 25.90 40.890N 142.596E 57km 5.1mb (95 obs.) NEAR EAST COAST OF HONSHU, JAPAN CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 12S, 12C Centroid Location: Origin Time 21:21:27.9 0.9 Lat 40.95N 0.12 Lon 142.64E 0.11 Dep 50.810.1 Half-duration 1.9 Principal Axes: Scale 10**16 Nm T Val= 3.97 Plg= 2 Azm= 91 N 3.70 31 0 P -7.67 59 184 Best Double Couple:Mo=5.8*10**16 NP1:Strike=209 Dip=51 Slip= -48 NP2: 334 54 -130</p> <p>31 05 15 39.58 32.558N 48.369E 43km 5.3mb (108 obs.) 5.3MsZ (27 obs.) WESTERN IRAN CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 44S, 82C Centroid Location: Origin Time 05:15:46.1 0.2 Lat 32.53N 0.03 Lon 48.00E 0.03 Dep 18.0 FIX Half-duration 1.5 Principal Axes: Scale 10**17 Nm T Val= 2.68 Plg=73 Azm=315 N -0.38 15 111 P -2.30 6 203 Best Double Couple:Mo=2.5*10**17 NP1:Strike=309 Dip=41 Slip= 114 NP2: 99 53 71</p> <p>31 14 44 33.15 60.694S 24.863W 33km 5.0mb (13 obs.) 4.6MsZ (3 obs.) SOUTH SANDWICH ISLANDS REGION CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 34S, 43C Centroid Location: Origin Time 14:44:34.1 0.3 Lat 61.25S 0.04 Lon 24.21W 0.09 Dep 15.0 BDY Half-duration 1.3 Principal Axes: Scale 10**16 Nm T Val= 13.07 Plg=10 Azm=323 N -3.61 57 218 P -9.46 31 59 Best Double Couple:Mo=1.1*10**17 NP1:Strike= 97 Dip=61 Slip= -16 NP2: 195 76 -150</p>
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Earthquake Focal Mechanisms for July 1994

Earthquake epicenters in Alaska and adjacent regions for July, 1994

Earthquake epicenters in the conterminous United States and adjacent regions for July, 1994

Earthquakes located in July, 1994

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). An "a" in this column indicates additional source parameters are published for this event in a separate section following the list of hypocenters.

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).
 EXPLO Some 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 Vulcanologico y Sismologico 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 Bolt 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

Macro seismic information is compiled from various sources, including newspaper articles, Foreign Broadcast Information Service messages, U.S. Geological Survey Earthquake Reports and seismological station reports. Macro seismic 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 Choy (1982) and by Choy and Boatwright (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.

Choy, 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 Choy, 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 Centroid, 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 Gasko, M., 1983, "Comparing location estimators: trimmed means, medians, and trimean" in Understanding Robust and Exploratory Data Analysis, ed. Hoaglin, D.C., Mosteller, 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 MB 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 $D \geq 5^\circ$.

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, p. 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.

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 t^* 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, Universite Pierre et Marie Curie, Paris, France.

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

Romanowicz, B. and 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 Dziewonski, et.al. (1981) considering corrections due to an aspherical earth structure of model SH8/U4L8 (Dziewonski 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. Dziewonski, G. Ekstrom and M. P. Salganik, 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.

Dziewonski, A. M., Chou, 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.

Dziewonski, A. M. and Woodward, R.L., 1991, Acoustic imaging at the planetary scale, in *Acoustical Imaging*, Vol. 19, E. Ermert and H.-P. Harjes, 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 $\text{Log } M_0 = 16.74 + 1.22\text{Log}(CDA)$, 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 A is the epicentral distance in km. Seismic moments quoted in "Preliminary Determination of Epicenters" are converted to Newton-meters (1 Newton-meter = 10^{10} dyne-cm).

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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).

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PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

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

AUGUST 1994

K E Y	DAY	ORIGIN TIME			GEOGRAPHIC COORDINATES		DEPTH	MAGNITUDES		SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
		UTC	HR	MN	SEC	LAT	LONG	GS	MsZ			
	01	01 15 59.9				47.253 N	6.656 E	10 G		0.9	8	FRANCE. ML 2.1 (LDG).
	01	01 47 32.6				39.411 N	20.436 E	48 *	3.3	1.3	27	GREECE-ALBANIA BORDER REGION
	01	02 25 14.4				31.721 N	80.129 E	33 N	4.5	0.8	30	XIZANG
	01	02 52 01.7				60.45 N	9.65 E	5 G		0.4	6	SOUTHERN NORWAY. MD 2.7 (BER).
	01	02 57 22.0	*			47.988 N	7.330 E	10 G		0.9	5	SWITZERLAND. ML 2.0 (LDG).
	01	03 03 50.5	*			13.766 N	60.374 W	60 G		0.3	12	WINDWARD ISLANDS. MD 3.2 (TRN).
	01	03 20 22.7				42.359 N	18.650 E	10 G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	01	03 42 43.2	?			34.94 S	70.34 W	140 G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	01	04 15 42.8				47.996 N	67.488 E	33 N	4.7	1.5	41	CENTRAL KAZAKHSTAN
	01	04 17 40.9				12.418 N	44.094 W	10 G	4.8 4.5	0.8	47	NORTHERN MID-ATLANTIC RIDGE
	01	04 51 17.8	&			34.988 N	116.757 W	6 G			9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	01	05 11 53.8	?			31.57 S	69.89 W	150 G		0.4	11	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
	01	05 44 39.2	*			12.298 N	143.670 E	33 N	4.8	0.5	6	SOUTH OF MARIANA ISLANDS
a	01	05 51 17.5				12.367 N	143.509 E	25 D	5.0 4.8	1.0	51	SOUTH OF MARIANA ISLANDS. Mw 5.4 (HRV).
	01	06 44 27.5				40.294 N	127.146 W	10 G		0.5	30	OFF COAST OF NORTHERN CALIFORNIA. ML 3.6 (GS).
	01	07 38 48.7	&			44.516 N	2.654 E	10 G		0.8	8	FRANCE. ML 2.5 (LDG).
	01	08 11 29.0	?			39.42 N	29.53 E	10 G		0.3	5	TURKEY. ML 2.8 (ISK).
	01	08 37 33.8	&			37.648 N	118.938 W	6			40	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.2 (BRK).
	01	08 58 44.8	?			10.86 N	69.34 W	33 N		1.5	5	VENEZUELA
	01	09 11 12.0	?			39.09 N	27.65 E	10 G		0.5	4	TURKEY. ML 2.7 (ISK).
	01	09 17 55.1	&			40.025 N	28.106 E	10 G		0.6	7	TURKEY. ML 2.8 (ISK).
	01	09 24 10.2	*			10.076 S	113.117 E	111 ?	4.7	0.5	12	SOUTH OF JAWA, INDONESIA
	01	10 15 34.8				34.127 S	70.665 W	5 G		0.9	12	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	01	10 19 55.5	&			38.161 N	27.727 E	5 G		0.6	7	TURKEY. ML 3.5 (ISK).
	01	12 29 42.3	*			15.190 N	97.063 W	33 N	4.4 3.6	1.0	32	NEAR COAST OF OAXACA, MEXICO
	01	12 43 35.0				44.167 N	113.987 W	5 G		0.8	8	EASTERN IDAHO. ML 3.2 (BUT).
	01	13 07 54.5				46.876 N	9.329 E	10 G		1.3	8	SWITZERLAND. ML 2.4 (VIE).
	01	13 15 08.6				23.013 N	107.070 W	33 N	3.8 4.0	1.1	36	GULF OF CALIFORNIA
	01	13 52 30.4	?			10.76 N	62.41 W	32 *		0.5	6	NEAR COAST OF VENEZUELA. MD 3.0 (TRN).
	01	14 58 24.2	?			32.42 N	48.41 E	33 N		0.6	6	WESTERN IRAN
	01	16 05 08.8	*			3.316 N	128.254 E	33 N	4.5	0.8	7	NORTH OF HALMAHERA, INDONESIA
a	01	16 15 50.5				45.096 N	150.586 E	34 D	5.2 4.6	0.9	190	KURIL ISLANDS. Mw 5.1 (HRV).
	01	16 58 45.5	&			59.778 N	152.817 W	86	4.2		90	SOUTHERN ALASKA. <AEIC>.
	01	18 33 22.4	&			40.318 N	27.597 E	10 G		0.6	7	TURKEY. ML 3.0 (ISK).
	01	19 42 10.9				45.120 N	150.671 E	33 N	4.8	0.8	30	KURIL ISLANDS
	01	21 13 01.7	*			39.741 N	20.409 E	10 G		0.9	6	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
	01	21 34 31.1	&			34.640 N	116.517 W	9			65	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.9 (PAS), 4.7 (BRK). Felt (IV) at Lucerne Valley, Tecopa and Yucca Valley; (III) at Fort Irwin, Highland and Loma Linda. Felt in the Victorville Valley and in the greater Los Angeles area.
	01	21 39 27.0				45.242 N	6.310 E	10 G		0.7	45	FRANCE. ML 3.0 (LDG), 2.8 (GEN), 2.5 (STR).
	01	22 07 40.6	&			61.457 N	149.963 W	34			58	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
	01	23 04 42.4	&			26.338 S	27.507 E	5 G		0.6	5	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
	01	23 28 04.2	*			19.144 N	103.602 W	77 *	4.2	1.2	24	JALISCO, MEXICO
	01	23 47 01.0	?			44.70 N	150.59 E	33 N	4.0	1.5	8	EAST OF KURIL ISLANDS
	01	23 50 36.6	*			54.634 N	158.646 E	33 N	4.3	0.5	26	KAMCHATKA
	02	00 47 29.6				37.998 N	20.154 E	10 G		1.2	26	IONIAN SEA. ML 4.0 (ROM), 3.7 (TIR). MD 3.8 (ATH).
	02	00 48 07.4	*			51.099 N	15.748 E	10 G		1.2	6	POLAND
	02	01 03 55.9	?			10.26 N	62.12 W	10 G		1.4	5	NEAR COAST OF VENEZUELA. MD 2.7 (TRN).
	02	01 26 21.4				11.558 S	164.104 E	33 N	4.5	0.9	11	SANTA CRUZ ISLANDS REGION
a	02	01 51 22.2				24.045 S	66.790 W	200 D	5.1	1.0	206	SALTA PROVINCE, ARGENTINA. Mw 5.4 (HRV). mb 5.2 (BRK).
	02	01 54 57.6	*			37.545 N	6.957 W	33 N		1.3	8	SPAIN. mbLg 2.4 (MDD).
	02	02 12 53.8	*			43.006 N	17.765 E	10 G		1.2	10	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	02	03 04 31.1	*			42.844 N	17.979 E	10 G		1.3	11	ADRIATIC SEA. ML 2.7 (TTG).
	02	03 57 30.1				44.602 N	149.328 E	49 D	5.1	0.8	194	KURIL ISLANDS
	02	04 28 20.4	*			16.540 S	172.351 W	33 N	4.9 4.4	0.9	71	SAMOA ISLANDS REGION. Ms 4.4 (BRK).

02	05	12	19.3	34.637	N	116.513	W	6				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
02	06	39	54.5	39.252	N	27.720	E	10	G		1.0	5	TURKEY. ML 2.8 (ISK).
02	06	50	45.7	43.319	N	18.579	E	10	G		0.7	9	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
02	07	37	52.8	10.422	S	117.005	E	49	*	5.1 4.6	1.1	45	SOUTH OF SUMBAWA, INDONESIA
02	07	39	53.5	43.791	N	7.466	E	10	G		0.5	7	NEAR SOUTH COAST OF FRANCE. ML 1.0 (STR).
02	07	50	17.4	43.248	N	18.619	E	10	G		0.7	8	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
02	08	16	23.5	40.377	N	29.320	E	10	G		0.8	6	TURKEY. ML 2.7 (ISK).
02	08	27	04.4	34.02	S	70.00	W	10	G		0.1	8	CHILE-ARGENTINA BORDER REGION
02	08	38	51.4	40.75	N	29.90	E	5	G		0.1	4	TURKEY. ML 2.5 (ISK).
02	09	26	06.4	59.590	N	136.453	W	10	G			8	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.0 (PGC). Felt (IV) at Pleasant Camp, British Columbia, Canada.
02	09	51	48.1	32.51	N	47.66	E	33	N		1.3	7	IRAN-IRAQ BORDER REGION
02	10	10	05.4	60.45	N	5.09	E	5	G		0.2	4	SOUTHERN NORWAY. MD 1.2 (BER).
02	10	17	18.4	38.58	N	26.76	E	10	G		0.0	4	AEGEAN SEA. ML 3.1 (ISK).
02	10	44	04.6	36.392	N	4.401	W	10	G		0.7	6	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
02	11	38	27.3	34.48	S	70.69	W	90	G		0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
02	12	03	46.8	42.203	N	19.245	E	10	G		0.3	11	NORTHWESTERN BALKAN REGION. ML 2.3 (TTG).
02	12	20	47.8	18.158	N	105.672	W	33	N	4.4	1.0	28	OFF COAST OF JALISCO, MEXICO
02	12	36	08.9	39.279	N	29.154	E	10	G		0.7	6	TURKEY. ML 2.8 (ISK).
02	12	37	26.6	39.268	N	29.131	E	10	G		0.2	5	TURKEY. ML 2.7 (ISK).
02	13	07	55.7	26.361	S	27.422	E	5	G		0.8	5	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
02	13	54	44.9	38.61	N	13.65	E	10	G		0.5	7	SICILY. MD 3.5 (ROM).
02	14	11	11.9	39.742	N	29.451	E	10	G		0.1	5	TURKEY. ML 2.8 (ISK).
02	14	17	25.8	34.12	S	70.11	W	10	G		0.3	8	CHILE-ARGENTINA BORDER REGION
a 02	14	17	52.1	52.428	N	158.044	E	145	G	6.0	0.9	630	NEAR EAST COAST OF KAMCHATKA. Mw 5.9 (GS), 5.8 (HRV). mb 5.9 (BRK). Felt (II) at Petropavlovsk-Kamchatskiy. Depth from broadband displacement seismograms.
02	14	24	26.1	17.991	S	178.425	W	551	D	4.9	1.1	49	FIJI ISLANDS REGION
02	14	52	15.4	26.889	S	26.717	E	5	G		0.9	9	REPUBLIC OF SOUTH AFRICA. ML 3.4 (PRE).
02	15	53	56.5	41.292	N	20.010	E	10	G		0.7	6	ALBANIA. ML 2.5 (TIR).
02	16	17	19.3	38.683	N	13.398	E	10	G	3.2	1.3	17	SICILY. MD 3.6 (ROM).
02	16	43	06.7	26.382	S	27.479	E	5	G		1.0	5	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
02	17	04	02.5	42.403	N	18.922	E	10	G		0.4	7	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
02	18	05	24.1	29.069	N	130.283	E	35	D	4.5 4.2	1.1	29	RYUKYU ISLANDS
02	20	25	58.3	7.103	S	146.057	E	185		5.2	0.9	39	EASTERN NEW GUINEA REG., P.N.G.
02	23	08	10.4	46.348	N	15.078	E	5	G		0.5	6	NORTHWESTERN BALKAN REGION. MD 3.0 (LJU).
02	23	29	47.5	44.094	N	8.978	E	10	G		0.7	13	NORTHERN ITALY. ML 2.7 (GEN), 2.5 (LDG).
02	23	40	57.8	37.210	N	21.390	E	10	G		1.2	7	SOUTHERN GREECE. MD 3.3 (ATH).
02	23	48	35.9	11.147	S	113.221	E	33	N	4.9	1.0	19	SOUTH OF JAWA, INDONESIA
02	23	58	59.5	36.166	N	23.169	E	5	G		1.4	7	SOUTHERN GREECE. MD 3.3 (ATH).
03	01	22	00.2	64.589	S	175.870	E	10	G		0.9	7	BALLENY ISLANDS REGION
a 03	01	22	20.0	6.363	S	154.943	E	54	D	5.5	1.0	242	SOLOMON ISLANDS. Mw 5.4 (HRV).
03	01	25	39.0	36.732	N	2.984	W	5	G		0.8	11	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
03	01	50	08.0	23.700	S	179.757	W	537	?	5.2	0.9	47	SOUTH OF FIJI ISLANDS
03	02	25	09.8	12.446	N	43.984	W	10	G	5.0 4.5	1.0	132	NORTHERN MID-ATLANTIC RIDGE
03	03	26	57.7	41.909	N	22.998	E	10	G		0.7	6	NORTHWESTERN BALKAN REGION. ML 1.5 (SKO).
03	03	52	08.2	41.968	N	23.071	E	7			1.1	35	GREECE-BULGARIA BORDER REGION. ML 3.3 (SKO), 3.3 (TTG). Felt (IV) in the Blagoevgrad area, Bulgaria. Also felt (IV) at Berovo and Delcevo in the Former Yugoslav Republic of Macedonia.
03	03	52	11.0	33.133	S	70.414	W	109	*		0.3	13	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
03	03	57	12.5	41.856	N	23.060	E	10	G		1.4	9	GREECE-BULGARIA BORDER REGION. ML 2.0 (SKO).
03	04	06	52.9	7.80	S	128.50	E	33	N	4.2	1.0	5	BANDA SEA
03	04	34	40.5	43.38	N	5.98	E	10	G		0.6	9	NEAR SOUTH COAST OF FRANCE
03	04	42	17.8	10.542	N	60.979	W	33	N		0.6	8	TRINIDAD. MD 3.5 (TRN).
03	04	49	59.0	46.21	N	14.29	E	10	G		0.7	4	NORTHWESTERN BALKAN REGION. MD 2.1 (LJU).
03	05	47	13.8	71.746	N	3.711	W	10	G	4.3	1.2	33	JAN MAYEN ISLAND REGION. MD 4.0 (BER).
03	05	52	03.3	32.644	S	71.672	W	5	G		1.2	12	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
03	06	07	47.0	35.21	S	70.91	W	110	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
03	06	36	42.5	41.914	N	23.003	E	5	G		0.9	9	GREECE-BULGARIA BORDER REGION. ML 1.9 (SKO).
03	07	37	41.9	44.302	N	7.411	E	10	G		0.6	7	NORTHERN ITALY. ML 1.8 (GEN).
03	07	43	35.7	40.830	N	142.872	E	65	*	3.7	0.8	14	NEAR EAST COAST OF HONSHU, JAPAN
03	09	01	33.7	18.828	S	177.792	W	543		4.8	1.1	33	FIJI ISLANDS REGION
03	09	37	12.9	37.42	N	29.64	E	10	G		0.8	4	TURKEY. ML 3.3 (ISK).
03	10	39	45.8	4.098	N	82.548	W	10	G	4.6	0.9	26	SOUTH OF PANAMA. MD 4.6 (UPA).
03	11	22	36.8	17.49	N	57.16	W	10	G		0.6	17	NORTH ATLANTIC OCEAN. ML 4.7 (FDF).
03	12	39	28.0	43.599	N	128.703	W	10	G		0.5	50	OFF COAST OF OREGON
03	12	40	13.6	34.329	N	118.460	W	7				45	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.5 (GS). Felt (IV) at Burbank.
03	12	47	11.4	39.05	N	26.81	E	10	G		0.3	4	TURKEY. ML 3.0 (ISK).
03	13	01	16.7	41.157	N	19.921	E	9			1.1	17	ALBANIA. ML 3.1 (TTG), 2.8 (TIR). MD 3.0 (ATH).
03	14	36	50.4	6.722	S	144.598	E	33	N	3.7	0.8	8	NEW GUINEA, PAPUA NEW GUINEA
03	14	40	36.9	60.514	N	152.003	W	71				60	SOUTHERN ALASKA. <AEIC>.
03	14	57	21.4	33.04	N	90.82	E	33	N	3.7	1.2	10	QINGHAI, CHINA
a 03	14	59	57.5	21.514	N	93.981	E	34	G	5.7 5.1	0.9	422	MYANMAR. Mw 5.8 (GS), 5.7 (HRV). Depth from broadband displacement seismograms.
03	15	31	11.5	26.395	S	27.463	E	5	G		0.5	5	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
03	15	50	32.4	60.197	N	5.066	E	10	G		0.7	8	SOUTHERN NORWAY. MD 2.5 (BER).
03	17	06	26.2	40.720	N	29.888	E	10	G		0.5	17	TURKEY. ML 3.5 (ISK). Felt at Istanbul.
03	17	44	16.0	6.255	S	130.460	E	121	*	5.2	1.2	40	BANDA SEA
03	17	44	45.5	43.590	N	7.829	E	10	G		0.3	7	NEAR SOUTH COAST OF FRANCE. ML 1.8 (GEN), 1.7 (LDG).
03	18	04	42.2	59.883	N	5.299	E	10	G		0.4	6	SOUTHERN NORWAY. MD 1.9 (BER).
a 03	18	24	01.1	17.310	S	167.313	E	40	D	5.0	1.3	59	VANUATU ISLANDS. Mw 5.2 (HRV).
03	18	25	23.6	59.882	N	5.248	E	10	G		0.3	8	SOUTHERN NORWAY. MD 2.0 (BER).
03	18	51	43.4	10.745	S	76.084	W	126	D	4.7	1.0	40	CENTRAL PERU. Felt (II) at Lima.
03	19	19	23.5	17.207	S	167.495	E	39	D	4.6	1.2	28	VANUATU ISLANDS
03	19	53	02.5	50.096	N	18.404	E	10	G		1.3	6	POLAND
03	20	08	47.1	32.708	S	71.484	W	33	N		0.7	12	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
03	20	44	31.9	40.83	N	27.81	E	10	G		0.4	6	TURKEY. ML 2.7 (ISK).
03	21	17	46.5	35.351	N	24.760	E	10	G		1.0	5	CRETE. MD 3.6 (ATH).
03	22	14	51.9	40.669	N	29.882	E	10	G		0.7	7	TURKEY. ML 2.7 (ISK).
03	22	31	53.3	39.038	N	26.390	E	10	G		0.3	5	TURKEY. ML 3.0 (ISK).
03	23	32	33.3	35.536	N	3.832	W	10	G		1.4	5	STRAIT OF GIBRALTAR

04	00	41	02.9%	43.184 N	18.654 E	10 G		0.7	10	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
04	00	42	23.0%	37.743 N	25.295 W	10 G		0.3	7	AZORES ISLANDS
04	01	09	36.2	9.857 S	112.711 E	23 D	5.1	1.2	43	SOUTH OF JAWA, INDONESIA
04	01	12	05.4%	60.341 N	151.084 W	43			41	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
04	01	15	45.8%	32.806 S	71.420 W	40 G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
04	01	56	16.2%	37.761 N	25.293 W	10 G		0.3	6	AZORES ISLANDS
04	02	31	45.1	5.959 N	95.142 E	65 D	4.8	1.2	52	NORTHERN SUMATERA, INDONESIA
04	02	36	55.4*	5.885 N	95.136 E	33 N	4.4	1.5	12	NORTHERN SUMATERA, INDONESIA
04	02	42	27.0%	39.273 N	29.211 E	10 G		0.3	8	TURKEY. ML 2.9 (ISK).
04	02	50	49.0	2.835 N	76.168 W	10 G	4.4	1.0	15	COLOMBIA
04	04	07	09.3%	60.127 N	152.902 W	123			53	SOUTHERN ALASKA. <AEIC>.
04	05	08	20.9	30.332 N	86.843 E	33 N	4.0	0.6	14	XIZANG
04	05	56	32.27	31.38 S	179.44 W	492 ?	4.7	1.1	23	KERMADEC ISLANDS REGION
04	06	29	53.0%	40.806 N	27.861 E	10 G		0.6	7	TURKEY. ML 2.8 (ISK).
04	06	43	40.5%	38.220 N	1.084 W	5 G		1.1	21	SPAIN. mbLg 3.3 (MDD). Felt (IV) in the Abanilla area.
04	07	14	31.5%	62.010 N	149.913 W	47			67	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
04	07	15	18.0%	33.064 S	70.286 W	100 G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
04	08	12	59.7%	40.037 N	27.263 E	5 G		0.3	7	TURKEY. ML 2.9 (ISK).
04	08	45	22.3%	33.504 S	69.926 W	10 G		0.3	7	CHILE-ARGENTINA BORDER REGION
04	08	58	40.1	47.272 N	11.393 E	10 G		1.2	10	AUSTRIA. ML 2.5 (VIE).
04	09	53	27.9*	16.961 N	97.991 W	29 D	4.2	1.4	27	OAXACA, MEXICO
04	10	17	20.8%	28.036 S	26.824 E	5 G		1.0	8	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
04	11	09	57.8%	39.236 N	27.835 E	5 G		0.8	5	TURKEY. ML 2.8 (ISK).
04	13	47	08.6	6.289 N	124.838 E	10 G	4.3	1.0	9	MINDANAO, PHILIPPINE ISLANDS
04	14	37	08.3%	63.640 N	149.572 W	126			95	CENTRAL ALASKA. <AEIC>.
04	14	47	14.4%	39.685 N	29.367 E	5 G		0.5	6	TURKEY. ML 2.7 (ISK).
04	16	49	41.3*	38.608 N	105.997 W	5 G		0.6	8	COLORADO. ML 2.5 (GS). Felt (IV) at Poncha Springs and (III) at Salida.
04	17	17	21.7%	17.062 N	61.701 W	50 G		0.5	8	LEEWARD ISLANDS. MD 2.5 (TRN).
04	17	21	02.1	70.777 N	14.599 W	10 G	4.7 4.2	1.2	72	JAN MAYEN ISLAND REGION
04	18	11	05.9	15.596 N	147.871 E	33 N	4.9	0.8	16	MARIANA ISLANDS REGION
04	18	24	53.7*	5.389 S	153.812 E	33 N	4.0	1.2	9	NEW IRELAND REGION, P.N.G.
04	18	30	07.6?	11.59 N	60.00 W	33 N		0.4	5	WINDWARD ISLANDS. MD 2.9 (TRN).
a 04	18	36	20.4	7.665 S	158.380 E	34 D	5.1 4.3	1.1	54	SOLOMON ISLANDS. Mw 5.0 (HRV).
04	18	37	51.3	44.244 N	8.262 E	10 G		0.7	11	NORTHERN ITALY. ML 1.8 (LDG), 1.5 (GEN).
04	19	42	56.3%	38.843 N	26.664 E	5 G		0.6	5	AEGEAN SEA. ML 3.3 (ISK).
04	19	45	57.0	42.811 N	111.141 W	5 G		0.6	9	EASTERN IDAHO. ML 2.6 (GS).
04	21	32	52.9	35.163 N	3.889 W	10 G		1.3	11	STRAIT OF GIBRALTAR. mbLg 3.4 (MDD).
a 04	21	39	01.8	24.090 S	179.925 W	506	5.3	0.9	202	SOUTH OF FIJI ISLANDS. Mw 5.6 (HRV).
04	21	43	58.4	45.544 N	14.689 E	10 G		0.6	6	NORTHWESTERN BALKAN REGION. MD 2.5 (LJU), 2.1 (TRI).
a 04	22	15	37.7	6.338 S	131.575 E	33 N	6.2 5.6	0.9	405	TANIMBAR ISLANDS REG., INDONESIA. Mw 6.1 (GS), 6.2 (HRV). Ms 5.5 (BRK). Mo=4.2*10**18 Nm (PPT). Complex event observed on broadband displacement seismograms.
05	01	20	06.4%	59.413 N	152.276 W	71			43	SOUTHERN ALASKA. <AEIC>.
05	02	30	06.4	12.738 N	125.969 E	57 D	5.1	0.9	111	SAMAR, PHILIPPINE ISLANDS
a 05	03	39	05.2	3.177 S	101.466 E	69	5.5	0.9	203	SOUTHERN SUMATERA, INDONESIA. Mw 5.4 (HRV).
05	04	04	48.4	42.964 N	142.514 E	118	4.7	0.7	54	HOKKAIDO, JAPAN REGION
05	04	27	18.5	40.663 N	29.886 E	10 G		0.5	7	TURKEY. ML 2.7 (ISK).
05	04	36	56.9?	29.92 S	174.94 W	33 N	5.0	0.8	9	KERMADEC ISLANDS REGION. Felt (II) on Raoul Island.
05	04	42	00.9	35.357 N	3.921 W	10 G		1.4	12	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
05	04	51	50.3	31.943 N	132.139 E	33 N	4.2	0.9	10	SOUTHEAST OF SHIKOKU, JAPAN
05	05	49	52.7%	33.126 S	72.151 W	10 G		0.3	11	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
05	05	53	53.0	42.106 N	142.405 E	74	4.4	0.9	33	HOKKAIDO, JAPAN REGION
05	06	44	09.7	13.315 S	167.105 E	219 *	4.5	1.0	61	VANUATU ISLANDS
05	07	18	23.9?	39.09 N	27.69 E	5 G		0.2	4	TURKEY. ML 2.8 (ISK).
05	08	05	24.0?	32.40 S	71.02 W	60 G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
a 05	08	14	10.3	52.245 N	174.056 E	33 N	5.1 5.0	1.0	269	NEAR ISLANDS, ALEUTIAN ISLANDS. Mw 5.5 (HRV). Ms 4.8 (BRK). Felt (IV) on Shemya.
05	08	34	21.3?	39.06 N	27.75 E	5 G		0.9	4	TURKEY. ML 2.7 (ISK).
05	09	38	05.6*	43.522 N	13.717 E	10 G		1.1	10	CENTRAL ITALY. MD 3.1 (TRI).
05	10	01	49.2	9.227 S	150.237 E	39	5.3	0.7	54	EASTERN NEW GUINEA REG., P.N.G.
05	10	39	08.6%	28.005 S	26.926 E	5 G		0.7	6	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
05	10	57	54.8%	39.722 N	29.419 E	10 G		0.3	6	TURKEY. ML 2.8 (ISK).
05	11	14	18.0*	2.791 S	138.993 E	33 N	4.5	1.5	10	IRIAN JAYA, INDONESIA
05	11	19	10.4	26.651 N	92.522 E	33 N	4.8	0.9	65	NORTHEASTERN INDIA
05	11	29	11.1%	60.377 N	152.393 W	93			57	SOUTHERN ALASKA. <AEIC>.
05	12	03	37.8*	6.810 N	126.223 E	37 *	4.4	0.5	13	MINDANAO, PHILIPPINE ISLANDS
05	12	59	46.0	30.308 N	130.997 E	49	5.2	1.0	72	KYUSHU, JAPAN
05	13	01	30.2%	59.974 N	153.557 W	144			47	SOUTHERN ALASKA. <AEIC>.
05	13	17	58.3%	60.438 N	5.514 E	10 G		0.1	5	SOUTHERN NORWAY. MD 1.4 (BER).
05	13	41	07.5?	40.70 N	29.89 E	5 G		0.5	4	TURKEY. ML 2.6 (ISK).
05	14	07	11.1%	36.727 N	3.829 W	10 G		0.5	5	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
05	14	29	18.1%	60.400 N	4.991 E	10 G		0.2	6	SOUTHERN NORWAY. MD 1.3 (BER).
05	14	45	46.8%	41.300 N	29.178 E	10 G		0.1	5	TURKEY. ML 2.8 (ISK).
05	16	14	46.1?	51.06 N	15.46 E	10 G		0.1	5	POLAND. ML 3.5 (GRF).
05	17	13	18.7%	61.022 N	147.688 W	21			53	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
05	17	36	02.5?	67.25 N	8.91 E	10 G		1.3	5	NORWEGIAN SEA. MD 2.5 (BER).
05	17	39	55.7%	66.950 N	146.465 W	16			39	NORTHERN ALASKA. <AEIC>. ML 3.8 (AEIC), 3.9 (PMR).
05	17	47	22.3*	51.378 N	15.737 E	10 G		0.8	8	POLAND. ML 3.4 (VIE), 3.3 (GRF).
a 05	18	28	10.2	51.134 N	179.294 W	33 N	5.2 5.0	1.1	263	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.5 (HRV). Ms 4.8 (BRK).
05	18	30	18.8%	18.129 N	67.240 W	24		0.2	11	MONA PASSAGE. MD 3.5 (MPR).
05	18	40	22.3	51.082 N	179.415 W	33 N	4.5 5.1	0.6	47	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
05	19	08	43.2?	50.39 N	18.85 E	10 G		1.0	4	POLAND
05	19	40	05.4?	33.10 S	72.34 W	10 G		0.3	12	OFF COAST OF CENTRAL CHILE. MD 4.2 (SAN).
a 05	19	41	56.7*	55.370 S	128.152 W	10 G	5.0 5.5	1.1	61	PACIFIC-ANTARCTIC RIDGE. Mw 6.2 (HRV). Ms 5.5 (BRK).
05	19	43	33.2?	33.11 S	72.34 W	10 G		0.4	12	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
05	20	03	27.8%	33.144 S	70.306 W	10 G		0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
05	20	12	09.6?	33.12 S	72.33 W	33 N		0.7	10	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
05	20	22	44.3?	6.14 S	147.68 E	98 *	4.4	1.4	7	EASTERN NEW GUINEA REG., P.N.G.
05	20	56	09.7*	2.210 N	129.109 E	33 N	4.5	1.0	10	HALMAHERA, INDONESIA
05	21	23	18.8%	59.823 N	152.909 W	106			41	SOUTHERN ALASKA. <AEIC>.
05	22	01	25.2	41.918 N	13.287 E	12		1.2	77	SOUTHERN ITALY. ML 3.4 (LDG), 3.4 (TTG), 3.3 (STR). MD

05	22	23	31.9	41.812	N	22.966	E	10	G			0.7	6	3.5 (ROM).
05	22	26	52.9	5.538	S	147.182	E	185		5.0		0.8	25	NORTHWESTERN BALKAN REGION. ML 2.5 (SKO).
05	23	20	54.5	42.469	N	19.002	E	10	G			0.3	9	EASTERN NEW GUINEA REG., P.N.G.
06	00	00	04.1	63.232	N	150.995	W	14					42	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
a 06	00	45	19.4	17.169	S	176.916	W	33	N	4.9	5.1	1.2	30	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
a 06	01	02	52.0	51.085	N	179.172	W	33	N	5.1	4.9	0.9	185	FIJI ISLANDS REGION. Mw 5.6 (HRV). Ms 5.0 (BRK).
06	01	28	00.4	14.138	S	72.761	W	89	*	4.2		1.0	7	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.5 (HRV).
06	01	51	35.6	53.094	N	160.130	E	33	N	4.8		0.8	61	CENTRAL PERU
06	01	51	57.8	58.178	N	154.182	W	66					21	NEAR EAST COAST OF KAMCHATKA
06	01	53	09.8	43.88	N	149.43	E	33	N	5.0		0.7	13	ALASKA PENINSULA. <AEIC>. ML 2.6 (AEIC).
06	02	26	54.3	41.544	N	2.642	E	10	G			0.7	11	EAST OF KURIL ISLANDS
06	02	29	56.3	34.15	S	72.15	W	10	G			0.5	9	SPAIN. ML 2.7 (LDG), 2.7 (STR). mbLg 2.9 (MDD).
06	02	41	11.1	63.032	N	150.863	W	131					72	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
06	02	44	05.0	33.757	S	70.726	W	79	*			0.2	12	CENTRAL ALASKA. <AEIC>.
06	03	15	55.6	40.276	N	27.640	E	10	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
06	03	27	15.5	56.31	S	128.94	W	10	G	4.6	5.3	0.8	10	TURKEY. ML 3.2 (ISK).
06	04	06	36.1	33.756	N	35.674	E	5	G			0.9	27	PACIFIC-ANTARCTIC RIDGE. Ms 5.2 (BRK).
														JORDAN - SYRIA REGION. ML 3.9 (JER), 3.8 (BHL). MD 4.1 (ISK).
06	05	15	44.7	16.140	N	95.167	W	32	D	5.0	4.7	1.1	134	OAXACA, MEXICO. MD 5.2 (GCG).
06	08	42	06.0	36.321	N	26.560	E	158	*			0.5	14	Considerable damage (VII) in the Cessnock area. Some structural damage (VI) at Newcastle. Felt (V) at Gosford and Wyong; (IV) at Forster and Taree; (III) at Albury, Narrabri, Sydney and Wodonga. Also felt at Canberra, Orange, Wollongong, and as far away as Alice Springs.
06	09	24	35.6	51.116	N	1.527	E	10	G			0.7	8	DODECANESE ISLANDS. MD 3.7 (ATH).
06	10	35	50.3	3.29	N	126.82	E	88	*	4.7		1.4	13	UNITED KINGDOM. ML 2.5 (LDG).
06	10	38	24.0	43.416	N	17.817	E	5	G			1.5	10	TALAUD ISLANDS, INDONESIA
06	11	03	51.8	32.956	S	151.228	E	10	G	5.3		0.9	70	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
														NEAR S.E. COAST OF AUSTRALIA. ML 5.4 (CNB).
06	11	13	45.7	38.849	N	26.407	E	10	G			0.7	10	Considerable damage (VII) in the Cessnock area. Some structural damage (VI) at Newcastle. Felt (V) at Gosford and Wyong; (IV) at Forster and Taree; (III) at Albury, Narrabri, Sydney and Wodonga. Also felt at Canberra, Orange, Wollongong, and as far away as Alice Springs.
06	11	33	08.1	35.57	N	3.50	W	10	G			0.1	4	AEGEAN SEA. ML 3.5 (ISK). MD 3.4 (ATH).
06	13	03	17.0	40.281	N	27.862	E	10	G			1.0	5	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD).
06	13	15	30.5	10.921	S	113.600	E	33	N	5.4		0.6	17	TURKEY. ML 2.7 (ISK).
06	15	13	15.1	39.61	N	29.55	E	10	G			0.7	4	SOUTH OF JAWA, INDONESIA
06	15	26	14.7	35.553	N	140.784	E	64		4.6		1.2	55	TURKEY. ML 2.7 (ISK).
06	15	30	59.3	34.312	S	70.526	W	100	G			0.2	10	NEAR EAST COAST OF HONSHU, JAPAN
06	15	58	25.9	34.125	S	71.042	W	60	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
06	16	05	49.9	35.603	N	140.749	E	60		4.8		1.0	107	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
06	16	54	37.8	35.550	N	141.131	E	33	N	4.6		1.5	21	NEAR EAST COAST OF HONSHU, JAPAN
06	17	40	28.4	46.776	N	152.884	E	33	N	4.4		0.9	30	NEAR EAST COAST OF HONSHU, JAPAN
06	18	02	21.0	52.48	N	4.76	E	10	G			0.7	5	KURIL ISLANDS
06	18	05	43.3	34.056	N	117.514	W	4					9	THE NETHERLANDS. ML 3.0 (DBN), 2.7 (BNS).
06	18	09	26.3	46.382	N	12.545	E	10	G			0.5	10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.7 (GS).
06	18	28	25.1	63.057	N	150.878	W	127					79	NORTHERN ITALY. ML 2.1 (VIE). MD 2.2 (TRI).
06	18	44	13.8	1.821	N	127.053	E	102	*	4.7		1.3	22	CENTRAL ALASKA. <AEIC>.
06	19	44	07.9	13.665	N	89.861	W	99		4.7		1.2	176	HALMAHERA, INDONESIA
														EL SALVADOR. MD 5.1 (SSS), 5.0 (UPA), 4.8 (GCG). Felt (IV) at San Salvador.
06	19	54	09.9	35.07	N	76.75	W	5	G			0.8	7	NORTH CAROLINA. mbLg 3.6 (GS), 3.8 (BLA). Felt (V) at Havelock, Merritt and New Bern; (IV) at Aurora, Bayboro, Beaufort, Chocowinity, Grantsboro, Hubert, Maysville, Newport, Stonewall, Vanceboro, Vandemere and Washington; (III) at Arapahoe.
														CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.7 (PAS).
06	20	18	34.8	36.325	N	120.681	W	12				1.0	23	ALBANIA. ML 3.3 (TTG), 3.1 (TIR). MD 3.4 (ATH).
06	20	26	45.9	40.400	N	19.555	E	10	G			0.9	237	SOUTHERN IRAN
06	21	02	14.6	26.991	N	54.363	E	16	D	5.3		0.9	6	SPAIN. mbLg 2.7 (MDD).
06	21	15	25.2	38.112	N	1.428	W	10	G			0.4	29	SAKHALIN ISLAND
06	21	31	32.6	46.837	N	141.495	E	33	N	4.6		0.8	81	PANAMA-COSTA RICA BORDER REGION
06	21	42	56.2	9.462	N	82.690	W	39	*	4.8	4.3	0.8	15	MENDOZA PROVINCE, ARGENTINA. MD 4.7 (SAN).
06	23	28	28.5	34.314	S	68.826	W	30				0.8	8	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
06	23	31	38.2	43.021	N	18.014	E	5	G			0.6	5	JAWA, INDONESIA
06	23	46	33.4	8.56	S	110.28	E	33	N	4.3		1.5	32	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.2 (GM). ML 3.2 (BRK).
06	23	50	30.7	40.303	N	124.476	W	12					27	BANDA SEA
06	23	56	05.8	7.158	S	129.185	E	193	*	5.4		0.9	5	SPAIN. mbLg 3.3 (MDD). Felt (II) in the Sarria area.
07	00	47	45.4	42.885	N	7.344	W	10	G			1.0	4	NORTHERN ITALY. ML 2.0 (GEN).
07	01	25	04.3	44.78	N	7.25	E	10	G			1.2	11	BULGARIA
07	01	31	20.4	42.516	N	26.249	E	5	G			0.9	12	MYANMAR
07	02	06	48.6	20.796	N	93.349	E	33	N			0.9	20	COSTA RICA
07	03	10	51.6	9.540	N	84.533	W	56	?	4.2		1.2	76	KODIAK ISLAND REGION. ML 4.1 (AEIC), 4.3 (PMR). Felt (III) at Chiniak and Port Lions. Also felt at Kodiak.
07	03	41	00.0	57.637	N	151.693	W	10	G	4.3		0.9	20	KERMADEC ISLANDS REGION. Ms 4.7 (BRK).
07	03	47	16.8	27.411	S	176.635	W	63	?	4.7	4.7	0.9	5	FRANCE. ML 2.0 (GEN).
07	04	06	32.5	44.624	N	6.788	E	10	G			0.3	81	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
07	04	11	05.0	61.134	N	147.359	W	21					47	WASHINGTON. <SEA-P>. MD 3.1 (SEA).
07	05	18	06.1	47.658	N	120.166	W	6					84	SUMBA REGION, INDONESIA. Mw 5.2 (HRV).
a 07	05	52	27.6	10.271	S	119.978	E	26	D	5.7		1.4	7	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
07	06	07	50.4	43.426	N	18.510	E	10	G			0.3	91	SOUTHERN ITALY. ML 4.2 (TTG), 3.7 (LDG).
07	06	31	15.3	41.981	N	13.284	E	31		3.5		1.1	58	SOUTHERN IRAN
07	06	32	54.5	27.106	N	54.469	E	44	*	4.7		0.9	5	SPAIN. mbLg 3.2 (MDD).
07	06	57	40.0	43.288	N	7.440	W	10	G			0.6	16	SOUTH OF JAWA, INDONESIA
07	06	57	47.6	11.197	S	113.193	E	33	N	4.7		1.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
07	06	58	10.6	34.49	S	70.38	W	5	G			0.6	53	KODIAK ISLAND REGION. ML 3.6 (AEIC).
07	07	05	23.0	57.563	N	151.640	W	10	G			0.7	24	SOUTHEAST OF RYUKYU ISLANDS
07	07	07	20.2	26.530	N	130.098	E	33	N	4.7		0.7	5	AEGEAN SEA. ML 3.3 (ISK).
07	07	11	06.4	38.813	N	26.735	E	10	G				62	SOUTHERN ALASKA. <AEIC>.
07	07	49	51.8	60.276	N	152.549	W	105					32	KODIAK ISLAND REGION. <AEIC>. ML 2.9 (AEIC).
07	08	00	11.4	58.239	N	151.708	W	16					4	TURKEY. ML 2.8 (ISK).
07	08	03	56.0	39.08	N	27.63	E	10	G			0.9	19	SOUTH OF FIJI ISLANDS
07	08	07	49.8	24.35	S	178.40	E	652	?	5.1		0.6	62	NORTHWESTERN BALKAN REGION. ML 4.2 (GRF), 4.1 (FUR), 4.0 (VIE). MD 4.1 (LJU), 3.9 (TRI). Felt (V) at Gornje
07	08	22	56.1	45.536	N	15.927	E	20				1.3		

07	09	14	20.6	33.589 S	70.285 W	100 G	0.3	12	Pokupje, Croatia.
07	09	47	09.0%	39.654 N	29.538 E	5 G	0.3	5	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
07	10	04	15.7%	15.575 N	60.800 W	33 N	0.3	8	TURKEY. ML 2.7 (ISK).
07	10	11	02.9%	5.47 S	133.76 E	33 N	4.3	5	LEEWARD ISLANDS. ML 2.5 (FDF).
07	10	56	27.9%	34.270 N	118.460 W	8	1.3	5	ARU ISLANDS REGION, INDONESIA
07	12	53	02.8%	17.72 S	178.89 W	573 ?	4.3	10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
07	13	52	54.7%	38.150 N	22.377 E	10 G	0.1	17	FIJI ISLANDS REGION
07	14	05	50.9%	11.91 N	61.98 W	90 G	0.8	5	GREECE. MD 3.0 (ATH).
07	14	14	22.9	13.334 N	39.657 E	11 D	4.9 4.5	5	WINDWARD ISLANDS. MD 3.0 (TRN).
07	15	10	25.9%	33.992 N	116.274 W	7	3.7	64	ETHIOPIA
								68	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS), 4.0 (BRK), 4.0 (GS). Felt.
07	15	41	35.3	39.493 N	20.377 E	31	1.3	19	GREECE-ALBANIA BORDER REGION. ML 3.1 (TIR).
07	17	49	44.6%	38.804 N	21.189 E	10 G	1.3	6	GREECE. MD 3.1 (ATH).
07	18	35	23.9%	60.083 N	150.753 W	56		74	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
07	18	46	17.3%	10.95 N	61.91 W	80 G	0.7	4	TRINIDAD. MD 2.3 (TRN).
07	20	43	24.5%	44.010 N	7.044 E	10 G	0.2	6	NORTHERN ITALY. ML 1.0 (STR).
07	21	04	38.5%	40.768 N	27.444 E	5 G	0.6	7	TURKEY. ML 2.8 (ISK).
07	22	50	54.6%	31.864 S	71.341 W	20 G	0.3	11	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
07	23	22	12.2%	33.846 S	70.910 W	70 G	0.2	10	CHILE-ARGENTINA BORDER REGION
07	23	43	32.8%	33.992 N	116.275 W	8		42	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS), 3.6 (GS). Felt.
08	00	37	52.2%	36.661 N	121.275 W	4		64	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.2 (GS), 2.9 (BRK).
08	01	50	02.1%	37.842 N	3.314 W	10 G	1.2	9	SPAIN. mbLg 3.1 (MDD).
08	03	12	09.6%	37.968 N	3.183 W	10 G	0.4	6	SPAIN. mbLg 2.6 (MDD).
08	03	14	44.2%	37.987 N	3.188 W	10 G	0.4	5	SPAIN. mbLg 2.5 (MDD).
08	03	31	44.8	43.305 N	18.453 E	10 G	4.4	1.3	60 NORTHWESTERN BALKAN REGION. MD 4.4 (TRI). ML 3.6 (TTG), 3.6 (TIR).
08	03	41	49.8%	43.244 N	18.612 E	10 G	0.4	9	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
08	03	52	44.8%	33.991 N	116.272 W	7		10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.7 (GS).
08	04	08	19.5%	41.637 N	112.827 W	5 G	0.8	10	UTAH. ML 2.6 (GS).
08	05	05	01.2%	14.85 N	60.29 W	33 N	3.9	0.5	6 WINDWARD ISLANDS. ML 2.5 (FDF).
08	05	28	03.0	38.965 N	29.111 E	36 *		1.2	59 TURKEY. MD 4.1 (ATH). Felt in the Simav area.
08	06	45	19.8%	46.14 N	14.68 E	5 G	0.2	4	NORTHWESTERN BALKAN REGION. MD 2.2 (LJU).
08	06	47	27.1%	5.534 S	147.127 E	177 *	1.0	7	EASTERN NEW GUINEA REG., P.N.G.
08	07	06	48.0%	60.077 N	152.942 W	106		52	SOUTHERN ALASKA. <AEIC>.
08	07	24	02.7%	28.058 S	26.867 E	5 G	1.1	5	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
08	07	33	47.2%	60.010 N	152.592 W	96		59	SOUTHERN ALASKA. <AEIC>.
08	07	34	41.1%	39.08 N	27.67 E	5 G	0.3	4	TURKEY. ML 2.7 (ISK).
a 08	07	55	39.2	13.817 S	68.369 W	598 G	5.4	1.0	347 PERU-BOLIVIA BORDER REGION. Mw 5.6 (GS), 5.6 (HRV). mb 5.1 (BRK). Felt (III) at Arequipa, Peru. Depth from broadband displacement seismograms.
08	07	56	25.5%	38.927 N	29.112 E	5 G	0.2	5	TURKEY. ML 2.9 (ISK).
08	08	08	44.6%	39.105 N	27.697 E	5 G	0.3	4	TURKEY. ML 2.8 (ISK).
08	09	11	14.3%	32.737 S	68.194 W	5 G	1.2	16	MENDOZA PROVINCE, ARGENTINA. MD 4.4 (SAN).
08	09	13	05.7%	8.02 S	130.48 E	128 ?	4.4	1.3	8 TANIMBAR ISLANDS REG., INDONESIA
08	09	28	00.8%	34.346 N	118.565 W	15		7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS), 2.5 (GS).
08	09	38	57.8%	63.084 N	151.134 W	126		52	CENTRAL ALASKA. <AEIC>.
08	09	43	02.9%	40.510 N	126.086 W	1		15	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM).
08	09	50	38.3	42.388 N	19.204 E	10 G	1.0	15	NORTHWESTERN BALKAN REGION. ML 2.9 (TTG), 2.6 (TIR).
08	09	55	09.4%	59.708 N	152.225 W	81		44	SOUTHERN ALASKA. <AEIC>.
08	10	34	15.6	33.505 S	70.403 W	94 ?	0.2	12	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
08	10	42	44.2%	17.911 S	178.562 W	626 *	4.5	0.9	34 FIJI ISLANDS REGION
08	13	59	29.8%	39.375 N	20.235 E	42 ?	3.7	1.4	13 GREECE-ALBANIA BORDER REGION
08	15	20	50.9%	39.68 N	29.47 E	10 G	0.6	4	TURKEY. ML 2.8 (ISK).
08	15	39	35.3%	52.524 N	168.403 W	33 N	4.3	1.1	22 FOX ISLANDS, ALEUTIAN ISLANDS
08	16	05	03.0%	60.450 N	5.127 E	10 G	0.4	5	SOUTHERN NORWAY. MD 1.2 (BER).
08	16	21	20.1	44.121 N	6.223 E	10 G	0.6	16	FRANCE. ML 2.9 (STR), 2.4 (LDG).
08	16	31	38.6	43.035 N	18.840 E	10 G	0.8	10	NORTHWESTERN BALKAN REGION. ML 2.3 (TTG).
08	16	32	31.5%	34.70 S	70.82 W	5 G	0.5	9	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
08	16	36	05.6%	60.224 N	151.864 W	54		51	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
08	17	02	25.4	5.651 S	147.289 E	177	5.0	0.8	20 EASTERN NEW GUINEA REG., P.N.G.
08	20	37	35.7	45.488 N	6.818 E	10 G	0.9	6	FRANCE. ML 2.0 (GEN).
08	20	54	33.9%	37.103 N	3.525 W	5 G	0.4	9	SPAIN. mbLg 2.5 (MDD).
a 08	21	08	31.6	24.721 N	95.200 E	122 G	6.0	1.0	538 MYANMAR. Mw 6.1 (GS), 6.1 (HRV). Felt strongly in the Gauhati-Shillong area, India. Also felt at Dhaka, Bangladesh. Depth from broadband displacement seismograms.
08	21	17	08.3%	30.511 N	114.373 W	35		13	GULF OF CALIFORNIA. <ECK-P>. MD 4.4 (ECK). ML 4.0 (GS).
08	21	28	57.2%	33.72 S	70.56 W	150 G	1.0	10	CHILE-ARGENTINA BORDER REGION
08	23	31	17.6%	64.760 N	140.400 W	25		32	SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 3.9 (AEIC), 4.0 (PGC).
08	23	37	52.7%	38.802 N	122.806 W	1		33	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM).
08	23	45	51.2%	59.933 N	152.938 W	110		74	SOUTHERN ALASKA. <AEIC>.
09	00	02	55.4%	54.166 N	163.957 W	33 N	4.5	0.7	24 UNIMAK ISLAND REGION
09	01	00	45.8	36.598 N	27.066 E	137 ?	0.6	9	DODECANESE ISLANDS. MD 3.6 (ATH).
09	01	58	51.6%	16.089 N	61.252 W	5 G	1.3	5	LEEWARD ISLANDS. ML 2.0 (FDF).
09	02	14	08.4%	13.057 N	89.040 W	33 N	0.3	14	EL SALVADOR. MD 4.0 (SSS). Felt (II) in La Paz Department.
09	02	24	12.5%	40.212 N	29.013 E	10 G	0.5	14	TURKEY. ML 3.3 (ISK).
09	02	58	49.4%	34.54 S	72.28 W	33 N	0.8	10	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
09	03	00	59.4%	52.92 N	162.65 W	33 N	4.3	1.3	16 SOUTH OF ALASKA
09	03	51	20.0%	46.255 N	13.236 E	10 G	0.7	7	AUSTRIA. ML 2.3 (VIE). MD 2.7 (TRI), 2.6 (LJU).
09	03	55	21.7%	16.683 S	167.185 E	33 N	4.2	0.6	8 VANUATU ISLANDS
09	05	26	08.4%	32.88 S	72.26 W	33 N	0.8	11	OFF COAST OF CENTRAL CHILE. MD 4.0 (SAN).
09	05	31	43.7%	40.911 N	23.719 E	10 G	1.4	8	GREECE
09	06	57	21.4	60.125 N	1.760 E	10 G	1.1	26	NORTH SEA. ML 3.4 (BGS). MD 3.0 (BER).
09	07	33	51.5	53.736 N	163.568 W	33 N	5.0 4.6	1.2	109 UNIMAK ISLAND REGION. Felt (III) at Akutan.
09	07	52	57.1	45.513 N	26.332 E	163	3.6	0.9	28 ROMANIA
09	08	47	12.6%	39.603 N	29.516 E	5 G	0.4	6	TURKEY. ML 2.7 (ISK).
09	09	24	16.7%	39.07 N	27.69 E	10 G	0.7	4	TURKEY. ML 2.8 (ISK).
09	11	14	31.2%	44.320 N	7.462 E	10 G	0.3	7	NORTHERN ITALY. ML 2.3 (GEN).

09	11	33	11.9	41.202	N	29.228	E	10	G	0.4	7	TURKEY. ML 2.8 (ISK).	
09	12	03	57.6*	20.774	S	177.907	W	490	*	0.9	23	FIJI ISLANDS REGION	
09	12	15	10.2&	34.611	N	116.651	W	6			31	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.8 (GS). Felt in the Barstow area.	
09	12	47	54.3&	40.335	N	124.702	W	16	3.8		61	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.9 (GM). ML 3.9 (BRK), 3.9 (GS). Felt (IV) at Fortuna and (II) at Garberville, Rio Dell and Samoa. Also felt in the Eureka area.	
09	13	10	30.07	45.92	N	14.29	E	10	G	0.4	4	NORTHWESTERN BALKAN REGION	
09	13	37	45.07	43.41	N	18.50	E	10	G	0.8	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).	
09	14	01	03.1	44.350	N	7.312	E	10	G	0.7	13	NORTHERN ITALY. ML 2.8 (GEN).	
09	14	03	19.7&	48.308	N	123.411	W	17			13	VANCOUVER ISLAND REGION. <PGC-P>. ML 2.0 (PGC). Felt in the Victoria area.	
09	14	17	27.0&	34.284	N	118.412	W	4			9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).	
09	14	25	21.77	19.00	N	66.43	W	33	N	0.2	10	PUERTO RICO REGION. MD 3.3 (MPR).	
09	15	22	17.6?	39.71	N	29.44	E	10	G	0.3	4	TURKEY. ML 2.7 (ISK).	
09	16	18	04.3*	31.708	S	69.333	W	107	?	0.9	12	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).	
09	16	26	27.5	39.360	N	20.324	E	33	N	1.3	20	GREECE-ALBANIA BORDER REGION. ML 3.3 (TIR).	
09	16	59	09.7	38.703	N	26.676	E	10	G	4.4	110	AEGEAN SEA. MD 4.6 (HLW), 4.4 (ATH). ML 4.4 (ISK). Felt on Khios and Lesbos.	
09	17	53	44.5	38.817	N	26.498	E	20		0.9	30	AEGEAN SEA. ML 3.8 (ATH), 3.8 (ISK).	
09	18	02	03.0&	60.365	N	152.812	W	105			25	SOUTHERN ALASKA. <AEIC>.	
09	19	25	20.07	17.54	N	102.09	W	33	N	1.0	5	NEAR COAST OF MICHOACAN, MEXICO	
09	20	04	23.4&	39.999	N	121.046	W	5			38	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.2 (BRK), 3.2 (GS).	
09	21	23	01.4?	32.14	S	71.70	W	10	G	0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).	
09	21	29	23.7*	35.984	N	12.672	E	33	N	3.9	1.5	32	CENTRAL MEDITERRANEAN SEA. MD 3.8 (ROM).
09	22	09	05.5*	10.572	N	94.549	E	33	N	4.8	0.9	17	ANDAMAN ISLANDS, INDIA
09	22	12	11.1?	52.24	N	162.37	W	33	N	3.6	0.9	4	SOUTH OF ALASKA
09	22	59	15.9?	10.14	N	94.00	E	33	N	4.7	1.2	13	ANDAMAN ISLANDS, INDIA
09	23	26	22.0	10.710	N	94.458	E	33	N	5.1	1.0	32	ANDAMAN ISLANDS, INDIA
09	23	28	53.6*	10.471	N	94.546	E	33	N	4.8	1.3	14	ANDAMAN ISLANDS, INDIA
a 09	23	34	56.7	10.634	N	94.382	E	33	N	5.3	1.1	52	ANDAMAN ISLANDS, INDIA. Mw 5.5 (HRV).
09	23	49	51.1?	33.63	S	70.57	W	90	G		0.2	6	CHILE-ARGENTINA BORDER REGION
10	00	07	32.4?	35.11	S	71.17	W	100	G		0.5	6	CENTRAL CHILE
10	01	28	51.9&	38.813	N	26.618	E	10	G		0.6	5	AEGEAN SEA. ML 3.3 (ISK).
a 10	01	39	29.6	10.517	N	94.360	E	33	N	5.3	1.2	94	ANDAMAN ISLANDS, INDIA. Mw 5.4 (HRV).
10	01	51	01.2&	38.815	N	26.602	E	10	G		0.5	5	AEGEAN SEA. ML 3.2 (ISK).
10	02	00	22.5	47.609	N	154.204	E	33	N	4.6	0.9	53	KURIL ISLANDS
10	02	11	15.0	26.951	N	54.352	E	44	*	4.8	1.2	111	SOUTHERN IRAN. Five houses destroyed and 30-60 percent of the buildings damaged in the Bastak area.
10	02	27	24.0	40.706	N	29.105	E	10	G		0.3	9	TURKEY. ML 2.9 (ISK).
10	03	09	00.9&	26.365	S	27.457	E	5	G		1.4	10	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE). mbLg 3.2 (BUL).
10	03	10	02.7&	59.558	N	5.659	E	10	G		0.6	5	SOUTHERN NORWAY. MD 1.7 (BER).
10	04	46	35.4*	1.243	N	120.526	E	33	N	4.9	1.2	10	MINAHASSA PENINSULA, SULAWESI
10	05	46	09.1?	16.05	N	92.98	W	33	N	4.0	1.0	9	CHIAPAS, MEXICO
10	07	28	12.8&	62.242	N	150.675	W	69				64	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).
10	07	31	40.7	1.667	S	135.616	E	33	N	5.0	1.1	18	IRIAN JAYA REGION, INDONESIA
10	08	10	58.5&	39.108	N	27.649	E	10	G		1.0	5	TURKEY. ML 2.8 (ISK).
10	08	16	12.0?	39.07	N	27.66	E	10	G		0.1	4	TURKEY. ML 2.7 (ISK).
10	08	56	51.0&	39.293	N	27.759	E	5	G		0.5	5	TURKEY. ML 2.8 (ISK).
10	09	10	19.1	44.279	N	8.024	E	10	G		0.3	6	NORTHERN ITALY. ML 2.0 (GEN).
a 10	09	29	18.5	13.885	S	72.621	W	87	D	4.8	1.0	69	CENTRAL PERU. Mw 5.1 (HRV).
10	09	43	55.4?	39.10	N	27.63	E	10	G		0.7	4	TURKEY. ML 2.7 (ISK).
10	09	55	24.0&	26.852	S	26.813	E	5	G		0.9	5	REPUBLIC OF SOUTH AFRICA
10	11	05	20.0*	16.840	S	167.188	E	28	D	4.6	1.5	15	VANUATU ISLANDS
10	11	06	06.5	47.314	N	23.952	E	58	*	3.1	0.7	13	ROMANIA
10	12	01	03.3?	59.41	N	6.12	E	10	G		0.3	4	SOUTHERN NORWAY. MD 1.2 (BER).
10	13	27	57.0&	26.192	S	28.184	E	5	G		0.3	8	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
10	13	37	43.0	38.768	N	26.414	E	20		3.9	1.0	47	AEGEAN SEA. ML 4.2 (ISK). MD 4.3 (ATH).
a 10	14	06	57.0*	16.889	S	167.189	E	33	N	4.9	0.8	14	VANUATU ISLANDS. Mw 5.5 (HRV).
a 10	14	57	49.2	58.756	S	25.538	W	33	N	5.6	0.8	137	SOUTH SANDWICH ISLANDS REGION. Mw 5.5 (HRV).
10	15	29	33.6*	17.099	S	166.930	E	33	N	4.7	1.1	10	VANUATU ISLANDS
10	16	26	09.4	16.792	S	174.055	W	148	D	4.9	0.9	118	TONGA ISLANDS
10	17	41	57.1	35.395	N	4.008	W	12			1.2	28	STRAIT OF GIBRALTAR. mbLg 3.6 (MDD).
10	18	10	00.4	43.421	N	5.456	E	10	G		0.8	10	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR). Mining induced.
10	18	15	22.2	43.942	N	7.052	E	10	G		0.5	9	NEAR SOUTH COAST OF FRANCE. ML 1.0 (STR).
10	18	55	45.2	40.803	N	20.900	E	10	G		1.3	26	GREECE-ALBANIA BORDER REGION. ML 3.6 (TTG), 3.5 (SKO), 3.3 (TIR). MD 3.4 (ATH).
10	19	01	59.9	4.943	S	148.466	E	590		4.8	0.9	35	BISMARCK SEA
10	19	18	41.0*	51.156	N	15.718	E	10	G		0.3	5	POLAND
10	19	22	34.8&	62.570	N	151.346	W	98				39	CENTRAL ALASKA. <AEIC>.
10	19	23	43.7&	33.192	S	70.343	W	5	G		0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
10	19	30	07.1	40.831	N	20.936	E	5	G		1.0	21	GREECE-ALBANIA BORDER REGION. ML 3.2 (TIR), 3.1 (SKO), 3.1 (TTG). MD 3.2 (ATH).
10	19	58	16.6*	18.339	S	168.390	E	48	D	4.8	1.3	21	VANUATU ISLANDS
10	20	05	15.4&	37.193	N	4.288	W	10	G		0.8	15	SPAIN. mbLg 3.1 (MDD).
10	20	27	31.6&	32.588	S	72.064	W	33	N		0.6	10	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
10	20	42	11.3?	32.73	S	71.94	W	10	G		0.4	8	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
10	21	23	37.2*	48.260	N	154.405	E	33	N	4.2	0.9	10	KURIL ISLANDS
a 11	00	48	32.6	20.568	S	168.394	E	38	D	5.6	1.0	150	LOYALTY ISLANDS. Mw 5.3 (HRV).
11	01	08	58.2&	40.712	N	28.082	E	10	G		0.4	5	TURKEY. ML 2.7 (ISK).
11	01	37	41.7&	37.136	N	4.392	W	10	G		0.7	9	SPAIN. mbLg 2.7 (MDD).
11	01	37	59.5?	51.23	N	15.77	E	10	G		0.6	5	POLAND
11	02	22	54.3&	32.423	N	115.186	W	30		4.2		70	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 4.9 (ECX). ML 4.6 (PAS). Felt in the Mexicali Valley, Mexico.
11	02	39	55.7?	72.03	N	1.58	E	10	G	3.7	1.5	7	NORWEGIAN SEA
a 11	02	45	15.2	3.697	S	153.400	E	231	D	5.5	0.9	297	NEW IRELAND REGION, P.N.G. Mw 5.4 (HRV).
11	02	46	06.1&	37.636	N	119.412	W	16				45	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.0 (BRK).
11	02	50	28.8&	35.768	N	4.998	W	10	G		1.0	5	STRAIT OF GIBRALTAR
11	03	58	14.0&	34.244	S	71.055	W	70	G		0.2	9	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).

11	04	06	13.7%	39.384	N	27.807	E	10	G	0.9	5	TURKEY. ML 2.8 (ISK).
11	04	20	32.0*	7.835	N	72.091	W	33	N	1.3	9	NORTHERN COLOMBIA
11	04	37	44.6*	40.825	N	20.749	E	10	G	1.2	6	GREECE-ALBANIA BORDER REGION. ML 2.6 (TIR), 2.2 (SKO).
11	04	54	27.7*	16.747	S	167.196	E	27	D	4.9	1.2	31 VANUATU ISLANDS
11	06	11	07.5%	57.935	N	154.625	W	29			68	KODIAK ISLAND REGION. <AEIC>. ML 3.4 (AEIC), 3.5 (PMR).
11	06	46	32.4	27.035	N	54.469	E	25	D	5.2 4.5	1.1	134 SOUTHERN IRAN. Felt in the Bastak area.
11	06	54	08.5*	42.128	N	126.297	W	10	G	0.7	21	OFF COAST OF OREGON
11	06	56	09.0	34.562	N	33.439	E	33	N	4.3 3.8	1.1	11 CYPRUS REGION. ML 4.0 (CSS), 3.8 (BHL). Felt (III) at Limassol and Zyyi.
11	07	14	46.0*	7.417	S	129.103	E	159	*	4.7	1.0	20 BANDA SEA
11	07	17	35.6?	10.77	N	62.24	W	33	N		0.2	6 NEAR COAST OF VENEZUELA. MD 3.3 (TRN).
11	08	00	38.9?	39.30	N	27.50	E	10	G		0.5	4 TURKEY. ML 2.7 (ISK).
11	08	16	45.3*	3.403	N	126.505	E	33	N	5.2	1.2	19 TALAUD ISLANDS, INDONESIA
11	08	39	06.8	7.944	N	72.099	W	33	N	4.6 4.1	1.2	64 NORTHERN COLOMBIA. Felt at Santo Domingo, Venezuela.
11	08	51	09.1%	39.097	N	27.660	E	10	G		0.6	5 TURKEY. ML 2.8 (ISK).
11	08	52	31.1?	34.57	S	70.24	W	130	G		0.2	9 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
11	09	27	46.8%	62.719	N	152.829	W	6				51 CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC), 3.7 (PMR).
11	09	42	01.0?	34.87	N	33.22	E	33	N		1.7	4 CYPRUS REGION. ML 3.9 (ISK), 3.4 (CSS).
11	09	56	11.1?	10.34	N	126.04	E	33	N		0.6	4 PHILIPPINE ISLANDS REGION
11	10	02	55.1%	39.149	N	27.550	E	10	G		0.3	5 TURKEY. ML 2.8 (ISK).
11	10	21	50.2*	2.604	S	134.257	E	33	N	4.7	1.4	12 IRIAN JAYA REGION, INDONESIA
11	10	29	00.1	40.789	N	20.863	E	10	G		1.4	7 GREECE-ALBANIA BORDER REGION. ML 2.7 (SKO), 2.3 (TIR).
11	11	14	49.7%	38.546	N	30.697	E	10	G		0.5	12 TURKEY. ML 3.5 (ISK). Felt at Afyon and Isparta.
11	11	28	06.3%	39.223	N	27.738	E	10	G		0.9	5 TURKEY. ML 2.9 (ISK).
11	12	28	10.2?	9.58	N	126.55	E	33	N		0.8	4 MINDANAO, PHILIPPINE ISLANDS
11	12	48	23.8?	52.33	N	168.31	W	33	N	3.9	0.5	5 FOX ISLANDS, ALEUTIAN ISLANDS
11	12	59	13.7%	38.561	N	30.672	E	10	G		0.7	7 TURKEY. ML 3.3 (ISK).
11	13	05	33.9%	39.726	N	29.487	E	10	G		0.2	6 TURKEY. ML 2.7 (ISK).
11	13	10	58.6?	24.75	S	116.57	W	10	G	4.7	1.0	17 SOUTHERN EAST PACIFIC RISE
11	15	38	54.5%	63.291	N	151.162	W	16				24 CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.5 (PMR).
11	16	19	48.2*	40.837	N	20.677	E	10	G		0.3	5 GREECE-ALBANIA BORDER REGION. ML 1.9 (SKO).
11	16	25	51.4	24.413	N	123.997	E	33	N	4.8	1.2	23 SOUTHWESTERN RYUKYU ISLANDS
11	16	49	51.1%	34.150	N	116.447	W	9				31 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.9 (GS).
11	17	00	34.2*	39.344	N	20.630	E	10	G		1.4	8 GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
11	17	33	44.0%	38.961	N	29.675	E	10	G		0.4	5 TURKEY. ML 2.8 (ISK).
11	18	10	30.8?	55.53	S	28.06	W	33	N	4.7	1.3	10 SOUTH SANDWICH ISLANDS REGION
11	19	10	05.5*	44.500	N	148.733	E	33	N	4.0	1.7	14 KURL ISLANDS
11	19	22	46.4%	38.818	N	122.771	W	4				14 NORTHERN CALIFORNIA. <GM-P>. MD 2.7 (GM).
11	19	25	01.3%	60.640	N	147.989	W	14				82 SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.5 (PMR).
a 11	19	32	52.1	21.840	S	176.708	W	179	D	5.5	1.2	292 FIJI ISLANDS REGION. Mw 5.9 (HRV). mb 5.1 (BRK). Mo=1.6*10**18 Nm (PPT).
a 11	20	42	08.9	21.600	S	173.768	W	31	G	5.9 5.4	1.1	347 TONGA ISLANDS. Mw 5.8 (GS), 5.8 (HRV). Ms 5.4 (BRK). Depth from broadband displacement seismograms.
11	21	13	52.2*	2.884	N	95.955	E	33	N	4.9 4.6	0.5	18 OFF W COAST OF NORTHERN SUMATERA
11	21	52	00.7*	28.984	N	130.418	E	33	N	4.9	1.1	16 RYUKYU ISLANDS
11	22	11	32.3?	52.30	N	159.98	E	33	N	4.6	0.8	15 OFF EAST COAST OF KAMCHATKA
11	22	28	29.3*	1.983	S	80.833	W	15	D	4.9 5.1	1.1	20 NEAR COAST OF ECUADOR
11	23	07	04.6*	46.547	N	12.722	E	10	G		0.4	6 NORTHERN ITALY. ML 1.7 (VIE).
11	23	31	46.5*	8.512	S	149.563	E	144	*	4.8	0.9	12 EASTERN NEW GUINEA REG., P.N.G.
11	23	34	36.2?	35.25	S	70.65	W	5	G		1.1	10 CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
11	23	54	00.2	52.724	N	158.754	E	31	D	5.0	0.9	43 NEAR EAST COAST OF KAMCHATKA
11	23	55	37.6%	60.713	N	151.896	W	90				34 KENAI PENINSULA, ALASKA. <AEIC>.
11	23	59	08.3	42.512	N	18.466	E	10	G		0.3	9 NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
12	00	12	53.7%	40.775	N	30.003	E	10	G		0.2	5 TURKEY. ML 2.5 (ISK).
12	00	59	03.2%	44.600	N	7.194	E	10	G		0.3	5 NORTHERN ITALY. ML 1.9 (GEN).
12	03	25	06.2%	28.074	S	26.934	E	5	G		0.4	6 REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
12	03	29	01.5?	38.17	N	22.17	E	10	G		1.1	4 GREECE. MD 3.0 (ATH).
12	03	35	05.7%	38.999	N	26.685	E	10	G		0.5	5 AEGEAN SEA. ML 3.0 (ISK).
12	03	37	00.1	7.061	N	76.738	W	33	N	4.0	1.1	12 NORTHERN COLOMBIA. MD 4.5 (UPA).
12	03	57	03.2%	33.692	S	70.468	W	10	G		1.0	7 CHILE-ARGENTINA BORDER REGION
12	04	02	03.7%	26.196	S	28.193	E	5	G		0.9	7 REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
12	04	32	20.2?	32.54	S	70.52	W	100	G		0.3	9 CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
12	05	45	40.3?	34.56	S	71.07	W	10	G		0.4	10 NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
12	06	49	15.8%	40.841	N	28.739	E	10	G		0.4	6 TURKEY. ML 2.6 (ISK).
12	07	11	19.2?	39.19	N	27.52	E	10	G		0.2	4 TURKEY. ML 2.8 (ISK).
12	07	26	55.1%	39.242	N	27.793	E	10	G		0.3	5 TURKEY. ML 2.7 (ISK).
12	08	43	34.2%	39.524	N	123.368	W	7				26 NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
12	08	54	18.5?	39.14	N	27.65	E	10	G		0.6	4 TURKEY. ML 2.8 (ISK).
12	08	58	26.5	41.907	N	23.267	E	10	G		0.8	8 GREECE-BULGARIA BORDER REGION. ML 2.0 (SKO).
12	09	16	52.8	43.175	N	0.731	W	10	G		1.4	14 PYRENEES. mbLg 3.3 (MDD). MD 2.9 (BTH).
12	09	37	50.4?	38.84	N	27.62	E	10	G		0.4	4 TURKEY. ML 2.9 (ISK).
12	09	39	23.3?	38.88	N	27.55	E	10	G		0.2	4 TURKEY. ML 2.9 (ISK).
12	09	47	46.2%	39.745	N	29.424	E	10	G		0.8	5 TURKEY. ML 2.7 (ISK).
12	10	03	17.8*	27.198	N	140.215	E	455	*	4.6	0.8	42 BONIN ISLANDS REGION
12	10	09	21.6*	20.788	S	178.733	W	610	*	4.8	1.1	47 FIJI ISLANDS REGION
12	10	21	05.9?	39.17	N	27.52	E	10	G		0.2	4 TURKEY. ML 2.8 (ISK).
12	10	39	20.4	22.228	S	179.449	E	581		4.4	0.8	67 SOUTH OF FIJI ISLANDS
12	11	26	11.9*	43.905	N	126.437	W	10	G		0.5	66 OFF COAST OF OREGON. MD 3.5 (GS).
12	11	38	51.3*	35.489	N	3.863	W	10	G		1.7	6 STRAIT OF GIBRALTAR
12	15	12	38.6?	22.92	S	179.74	E	600	G	4.7	0.9	15 SOUTH OF FIJI ISLANDS
12	16	15	37.9%	40.640	N	29.554	E	10	G		0.7	6 TURKEY. ML 3.6 (ISK).
12	16	32	45.4?	10.81	N	62.19	W	33	N		1.3	5 NEAR COAST OF VENEZUELA. MD 3.1 (TRN).
12	17	51	13.4*	60.990	N	166.704	E	33	N	4.6	1.0	26 EASTERN SIBERIA, RUSSIA
12	18	10	37.3*	38.518	N	20.300	E	10	G		1.2	10 GREECE. MD 3.2 (ATH).
12	18	11	38.7?	40.67	N	29.85	E	10	G		0.7	4 TURKEY. ML 2.4 (ISK).
12	18	35	10.1?	16.55	S	71.37	W	96	*	4.5	1.4	8 SOUTHERN PERU. Felt (II) at Arequipa.
12	20	40	27.9?	16.86	S	167.23	E	33	N	4.4	1.7	5 VANUATU ISLANDS
12	20	58	05.9*	37.171	N	69.878	E	33	N	4.2	1.2	16 AFGHANISTAN-TAJIKISTAN BORD REG.
12	22	21	01.6*	38.620	N	20.425	E	11			1.1	15 GREECE. MD 3.8 (ATH). ML 3.1 (TIR).
13	02	10	34.1%	35.039	N	116.997	W	5				8 CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
13	02	16	16.4*	32.095	S	71.154	W	10	G		0.3	10 NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
13	02	30	49.9?	30.92	N	142.18	E	33	N	4.6	0.7	7 SOUTH OF HONSHU, JAPAN

13	02	42	48.4	60.996	N	147.333	W	22		3.9					110	SOUTHERN ALASKA. <AEIC>. ML 4.1 (AEIC), 4.1 (PMR).
13	03	12	30.3	44.844	N	9.891	E	10	G		1.1	49	NORTHERN ITALY. ML 3.2 (STR), 3.0 (VIE).			
13	03	23	01.57	43.30	N	8.19	E	10	G		0.4	6	CORSICA. ML 1.8 (STR).			
13	03	34	19.0	38.863	N	26.395	E	10	G		1.0	9	AEGEAN SEA. ML 3.5 (ATH), 3.5 (ISK).			
13	05	20	58.6	41.129	N	19.647	E	10	G		0.9	6	ALBANIA. ML 2.8 (TIR).			
13	06	18	05.3	1.529	S	149.934	E	33	N	4.4	0.8	21	NEW IRELAND REGION, P.N.G.			
13	06	31	06.1	2.536	N	99.273	E	177	*	4.9	1.4	44	NORTHERN SUMATERA, INDONESIA			
13	07	46	57.27	21.00	S	179.51	W	600	G	4.9	1.3	21	FIJI ISLANDS REGION			
13	07	51	38.27	39.31	N	27.51	E	10	G		0.2	4	TURKEY. ML 2.8 (ISK).			
13	08	08	37.3	60.452	N	5.126	E	5	G		0.1	5	SOUTHERN NORWAY. MD 1.4 (BER).			
13	08	45	11.17	39.23	N	27.73	E	10	G		0.5	4	TURKEY. ML 2.7 (ISK).			
13	10	33	34.1	40.449	N	123.491	W	28				25	NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.2 (BRK).			
13	10	54	39.9	44.584	N	150.189	E	33	N	4.7	1.5	19	EAST OF KURIL ISLANDS			
13	11	00	37.8	39.093	N	144.774	E	33	N	3.7	0.5	14	OFF EAST COAST OF HONSHU, JAPAN			
13	11	09	39.2	40.128	N	119.686	W	5	G		0.9	23	NEVADA. MD 3.1 (GM).			
13	11	43	21.8	33.992	N	116.269	W	9				21	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).			
13	11	47	21.0	60.815	N	149.605	W	41				40	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC), 2.9 (PMR).			
13	13	10	13.97	33.95	S	70.32	W	120	G		0.1	6	CHILE-ARGENTINA BORDER REGION			
13	13	20	40.47	33.86	S	70.68	W	90	G		0.3	5	CHILE-ARGENTINA BORDER REGION			
a 13	14	24	33.0	54.132	N	35.123	W	10	G	4.9 4.6	1.1	87	NORTH ATLANTIC OCEAN. Mw 5.0 (HRV). Ms 4.6 (BRK).			
13	14	51	43.3	44.597	N	150.138	E	33	N	5.0 4.5	1.0	128	EAST OF KURIL ISLANDS			
13	14	52	06.67	39.15	N	29.97	E	10	G		0.5	5	TURKEY. ML 2.7 (ISK).			
13	15	16	36.6	43.072	N	17.019	E	10	G		0.9	13	NORTHWESTERN BALKAN REGION. ML 2.7 (TTG).			
13	15	31	33.4	62.496	N	150.721	W	77				44	CENTRAL ALASKA. <AEIC>.			
13	16	25	15.7	36.600	N	7.267	W	10	G		1.0	26	STRAIT OF GIBRALTAR. mbLg 3.5 (MDD).			
13	18	07	57.97	44.32	N	9.37	E	5	G		0.9	9	NORTHERN ITALY. ML 2.5 (GEN).			
13	18	10	55.3	61.524	N	141.484	W	0				36	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 3.3 (PGC).			
13	18	28	40.4	44.677	N	7.258	E	10	G		0.7	20	NORTHERN ITALY. ML 2.6 (GEN).			
13	18	56	15.4	32.882	S	179.606	E	243	?	4.7	1.1	13	SOUTH OF KERMADEC ISLANDS			
13	19	49	10.37	14.89	S	167.07	E	33	N	4.1	0.7	7	VANUATU ISLANDS			
13	19	51	03.4	32.792	N	118.408	W	6	G			24	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.7 (PAS), 3.7 (GS).			
13	20	01	52.7	39.950	N	120.810	W	1				46	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.4 (BRK), 3.1 (GS).			
13	20	06	01.4	48.372	N	7.787	E	10	G		0.1	5	FRANCE. ML 1.3 (STR).			
a 13	22	07	09.1	15.171	N	145.839	E	87	D	5.5	1.2	173	MARIANA ISLANDS. Mw 5.2			

14	19	17	37.5*	5.884	S	129.587	E	236	?	4.6	1.0	12	BANDA SEA
14	19	56	15.7&	34.390	N	116.457	W	3				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.6 (GS).
14	20	26	56.5*	5.007	N	82.487	W	10	G	4.1	1.0	10	SOUTH OF PANAMA. MD 4.4 (UPA).
14	21	34	04.9&	61.762	N	149.442	W	37				63	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
15	02	26	24.0?	19.16	S	177.86	W	671	?	4.5	0.6	14	FIJI ISLANDS REGION
15	03	31	55.5&	34.265	S	70.058	W	10	G		0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
15	05	04	17.7?	31.31	S	69.79	W	120	G		0.5	9	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
15	05	13	46.0&	36.657	N	121.280	W	9				49	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (GS).
15	05	56	44.7	44.489	N	150.114	E	33	N	4.6 4.2	1.1	34	EAST OF KURIL ISLANDS
15	06	04	38.3*	19.975	N	121.392	E	58	*	3.9	1.3	6	PHILIPPINE ISLANDS REGION
a 15	06	15	39.0	16.751	N	60.739	W	33	N	5.1 5.0	0.9	246	LEEWARD ISLANDS. Mw 5.5 (HRV). MD 4.9 (TRN). ML 4.8 (FDF). Felt (III) on Guadeloupe and (II) on Martinique.
15	06	21	09.1	12.863	N	88.473	W	63	D	4.7	1.1	83	OFF COAST OF CENTRAL AMERICA. MD 4.9 (SSS). Felt (III) at San Salvador, El Salvador.
15	06	28	34.9*	35.138	N	3.847	W	10	G		1.5	7	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
15	07	40	42.6&	39.273	N	27.718	E	10	G		0.9	5	TURKEY. ML 2.8 (ISK).
15	08	07	32.8&	33.812	N	116.201	W	7				53	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS), 3.8 (GS). Felt (IV) at Indio and La Quinta. Felt (III) at Cathedral City.
15	08	08	24.4&	33.808	N	116.205	W	7				23	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.0 (GS).
15	09	04	30.4*	35.539	N	3.770	W	10	G		0.8	10	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
15	09	34	52.3?	16.63	N	98.47	W	33	N	4.1	1.0	23	NEAR COAST OF GUERRERO, MEXICO
15	10	23	50.6&	39.142	N	27.573	E	10	G		0.9	5	TURKEY. ML 2.8 (ISK).
15	10	58	53.8	17.624	S	167.795	E	33	N	5.4	1.4	88	VANUATU ISLANDS
15	11	45	35.6?	37.65	N	22.26	E	10	G		0.3	4	SOUTHERN GREECE. ML 3.0 (ATH).
15	11	47	08.0?	39.38	N	27.97	E	10	G		0.7	4	TURKEY. ML 2.8 (ISK).
15	12	29	52.3&	39.623	N	29.488	E	10	G		0.5	7	TURKEY. ML 2.7 (ISK).
15	14	02	47.8&	40.626	N	29.108	E	10	G		0.6	5	TURKEY. ML 2.6 (ISK).
15	14	58	11.5?	60.43	N	5.16	E	5	G		0.9	4	SOUTHERN NORWAY. MD 1.3 (BER).
15	15	13	08.8	41.991	N	142.477	E	71		4.6	1.1	55	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Urakawa and (II JMA) at Hiroo.
15	15	17	47.9	57.270	N	150.716	W	10	G		0.8	56	GULF OF ALASKA. ML 3.4 (AEIC), 3.4 (PMR).
15	17	42	15.1&	63.292	N	151.570	W	15				48	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.9 (PMR).
15	20	53	04.0?	38.24	N	22.87	E	5	G		0.9	5	GREECE. MD 2.9 (ATH).
15	21	01	18.5&	33.785	S	70.624	W	90	G		0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
15	22	38	28.4	2.620	N	123.717	E	401		4.9	1.1	42	CELEBES SEA
15	22	43	06.5	40.550	N	27.526	E	10	G		0.4	11	TURKEY. ML 3.0 (ISK). MD 3.0 (ATH).
15	23	52	25.9*	16.804	S	167.244	E	33	N	4.9	1.1	23	VANUATU ISLANDS
15	23	58	50.3?	18.68	N	144.70	E	158	*	4.6	1.2	11	MARIANA ISLANDS
16	00	03	02.9	53.430	N	160.577	W	33	N	4.4	1.1	33	SOUTH OF ALASKA
16	01	32	07.4	43.279	N	17.504	E	10	G		1.1	12	NORTHWESTERN BALKAN REGION. ML 2.5 (TTG).
16	01	40	59.6*	4.170	S	141.821	E	94	*	4.9	0.7	15	NEW GUINEA, PAPUA NEW GUINEA
16	01	59	59.5?	45.88	N	151.03	E	75	?	4.7	0.9	21	KURIL ISLANDS
16	02	38	31.2*	24.025	S	66.769	W	182		4.6	1.1	57	SALTA PROVINCE, ARGENTINA
16	02	52	31.9&	34.088	S	71.296	W	60	G		0.2	8	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
a 16	03	43	57.2	44.551	N	149.892	E	33	N	5.3 5.0	1.0	207	KURIL ISLANDS. Mw 5.2 (HRV).
16	03	46	56.4*	44.435	N	150.083	E	33	N	4.6	1.2	35	EAST OF KURIL ISLANDS
16	04	03	01.0&	61.030	N	150.161	W	37				64	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PMR).
16	04	09	03.8&	44.348	N	7.304	E	10	G		0.4	10	NORTHERN ITALY. ML 1.8 (GEN).
16	04	11	45.8&	28.064	S	26.977	E	5	G		1.0	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
a 16	04	46	18.7	29.361	N	130.194	E	39	D	5.5 5.4	1.2	257	RYUKYU ISLANDS. Mw 5.7 (HRV).
16	04	53	33.1&	40.672	N	29.780	E	10	G		0.5	6	TURKEY. ML 2.6 (ISK).
16	06	03	50.5&	38.034	N	118.732	W	3				27	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.0 (BRK).
16	06	06	56.6?	10.33	N	61.99	W	10	G		1.0	6	TRINIDAD. MD 3.3 (TRN).
16	07	16	25.3?	34.03	S	70.25	W	10	G		0.4	6	CHILE-ARGENTINA BORDER REGION
16	07	16	54.9*	24.664	S	179.547	E	557	?	4.7	0.8	54	SOUTH OF FIJI ISLANDS
16	07	49	11.1?	10.35	N	60.69	W	60	G		0.3	7	TRINIDAD. MD 3.3 (TRN).
16	08	02	55.3?	40.18	N	27.61	E	10	G		0.5	4	TURKEY. ML 2.6 (ISK).
16	08	54	40.5*	14.962	N	61.092	W	178	?		0.4	15	WINDWARD ISLANDS. MD 3.8 (TRN).
16	09	22	19.5&	40.681	N	27.446	E	10	G		0.7	6	TURKEY. ML 2.9 (ISK).
16	09	33	13.9&	39.694	N	29.549	E	10	G		0.7	5	TURKEY. ML 2.7 (ISK).
16	09	57	51.9	40.799	N	27.466	E	10	G		0.7	20	TURKEY. ML 3.6 (ISK). Felt in the Tekirdag area.
a 16	10	09	32.8	37.842	N	142.462	E	20	G	5.9 5.2	0.9	486	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.7 (GS), 5.8 (HRV). Ms 5.1 (BRK). Depth from broadband displacement seismograms.
16	10	15	46.8*	26.423	S	27.373	E	5	G		1.3	11	REPUBLIC OF SOUTH AFRICA. ML 3.2 (PRE).
16	10	17	39.3	37.898	N	142.469	E	34	D	4.9	0.9	42	OFF EAST COAST OF HONSHU, JAPAN
16	11	03	41.7	48.489	N	111.333	W	5	G	3.9	0.7	23	MONTANA. ML 4.1 (GS), 4.2 (BUT). Felt (III) at Chester, Kevin and Sunburst. Also felt at Conrad, Galata and Shelby.
16	11	30	04.0	44.649	N	150.015	E	33	N	5.0 4.8	1.1	73	EAST OF KURIL ISLANDS
16	11	33	04.0	20.424	S	167.941	E	33	N	5.1	1.1	78	LOYALTY ISLANDS
16	11	37	38.1&	36.615	N	4.360	W	10	G		1.2	7	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
16	11	57	02.2	44.546	N	149.991	E	33	N	4.7	1.1	36	KURIL ISLANDS
16	11	57	45.2	14.142	N	91.624	W	80		4.1	1.3	47	GUATEMALA. MD 4.7 (GCG).
16	12	55	20.5&	60.405	N	5.480	E	5	G		0.5	5	SOUTHERN NORWAY. MD 1.5 (BER).
16	12	57	03.0&	34.074	S	71.433	W	33	N		0.3	7	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
16	13	09	03.2	38.915	N	27.528	E	10	G		1.0	10	TURKEY. MD 3.3 (ATH). ML 3.2 (ISK).
16	13	15	40.9	15.427	N	46.570	W	10	G	4.7 4.6	1.2	52	NORTHERN MID-ATLANTIC RIDGE
16	13	29	50.7?	21.97	N	144.39	E	33	N	4.3	1.2	9	MARIANA ISLANDS REGION
a 16	14	14	41.7	18.460	S	176.372	W	33	N	5.0 5.1	1.3	69	FIJI ISLANDS REGION. Mw 5.4 (HRV).
16	14	40	27.0?	53.08	N	159.67	E	33	N	4.1 4.5	0.8	8	NEAR EAST COAST OF KAMCHATKA
16	14	57	27.1?	5.53	S	150.90	E	112	?	4.3	0.5	5	NEW BRITAIN REGION, P.N.G.
16	15	39	38.3?	38.61	N	20.95	E	10	G		1.7	4	GREECE. MD 3.2 (ATH).
16	16	06	30.6?	5.69	S	129.08	E	307	?		0.6	6	BANDA SEA
16	16	35	47.5&	38.212	N	2.712	W	5	G		1.5	6	SPAIN. mbLg 2.7 (MDD).
16	16	51	02.9&	40.438	N	125.493	W	22				35	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.4 (BRK).
16	17	22	07.5&	42.444	N	8.107	W	10	G		1.0	5	SPAIN. mbLg 3.0 (MDD).
16	17	59	16.2	44.465	N	114.101	W	5	G		0.3	15	WESTERN IDAHO. ML 3.2 (GS), 3.8 (BUT).
16	18	04	35.2&	40.838	N	28.704	E	10	G		0.3	8	TURKEY. ML 2.9 (ISK).
16	18	13	27.0?	37.26	N	3.68	W	10	G		0.7	4	SPAIN. mbLg 2.1 (MDD).

16	18	33	02.3*	43.754	N	20.671	E	10	G	1.6	13	NORTHWESTERN BALKAN REGION. ML 2.6 (TTG).
16	19	39	01.7*	36.797	N	121.521	W	2			49	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 2.9 (GS).
a 16	21	15	49.9	14.371	N	92.802	W	61	5.0 4.2	1.2	101	NEAR COAST OF CHIAPAS, MEXICO. Mw 5.2 (HRV). MD 4.8 (GCG). Ms 4.2 (BRK).
a 16	21	43	53.6	20.071	S	175.243	W	193	D 4.9	1.0	96	TONGA ISLANDS. Mw 5.3 (HRV).
16	21	44	58.3	42.231	N	1.103	E	5	G	0.9	12	PYRENEES. mbLg 3.1 (MDD). ML 2.9 (STR). MD 2.9 (BTH).
16	21	51	00.4?	6.93	N	126.81	E	222	* 4.3	0.3	8	MINDANAO, PHILIPPINE ISLANDS
16	21	58	15.0*	3.871	N	95.091	E	33	N 4.4	0.8	9	OFF W COAST OF NORTHERN SUMATERA
16	22	37	53.6?	54.16	N	175.72	E	33	N 3.9	0.2	5	BERING SEA
16	22	44	02.3*	33.188	S	70.335	W	10	G	0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
16	23	32	08.5	3.749	N	126.578	E	33	N 4.9	0.6	15	TALAUD ISLANDS, INDONESIA
17	00	31	10.9?	43.00	N	0.18	W	10	G	1.6	4	PYRENEES. MD 2.4 (BTH). mbLg 2.3 (MDD). ML 2.1 (LDG).
17	01	22	02.0?	12.08	S	77.14	W	50	G	0.3	5	NEAR COAST OF PERU. Felt (II) at Lima.
17	01	35	27.7*	52.638	N	168.612	W	33	N 4.5	0.9	17	FOX ISLANDS, ALEUTIAN ISLANDS
17	01	56	21.0	29.402	S	13.602	W	10	G 4.6 4.0	0.8	29	SOUTHERN MID-ATLANTIC RIDGE
17	03	06	25.8*	59.367	N	153.454	W	101			32	SOUTHERN ALASKA. <AEIC>.
17	03	20	32.9*	60.870	N	149.768	W	36			61	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PMR).
17	03	27	02.8*	60.736	N	140.251	W	12			33	SOUTHEASTERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.1 (PGC).
17	03	33	33.9	38.594	N	24.554	E	19	3.7	1.2	31	AEGEAN SEA. MD 3.7 (ATH).
17	04	57	25.5	57.148	N	5.736	W	5	G	0.5	24	UNITED KINGDOM. ML 3.2 (BGS). Felt (III) in the Arnisdale area.
17	06	10	37.2*	34.092	S	71.095	W	70	G	0.2	7	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
17	06	18	34.6	43.071	N	0.660	W	5	G	0.5	9	PYRENEES. MD 2.8 (BTH). mbLg 2.5 (MDD). ML 2.2 (LDG). Felt (II) at Arette, France.
17	06	56	49.0*	47.472	N	115.778	W	2			57	MONTANA. <SPEC>. ML 4.1 (BUT), 3.6 (GS). Rockburst in the Lucky Friday Mine near Mullan, Idaho. Hypocenter from in-mine monitoring system. Felt (IV) at Mullan and Osburn, Idaho. Also felt at Burke, Silverton and Wallace, Idaho.
17	06	58	25.8?	39.10	N	27.71	E	10	G	0.1	4	TURKEY. ML 2.8 (ISK).
17	07	11	29.6?	36.61	N	71.13	E	145	? 4.4	0.6	8	AFGHANISTAN-TAJIKISTAN BORD REG.
17	07	25	58.2?	35.59	N	3.70	W	10	G	0.0	4	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
17	07	33	08.7*	51.258	N	179.569	W	33	N 4.3	0.7	15	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR).
17	07	34	53.9*	4.198	S	152.564	E	75	* 4.8	1.4	23	NEW BRITAIN REGION, P.N.G.
17	07	49	18.4?	34.65	S	70.84	W	100	G	0.1	7	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
17	08	37	28.6*	35.269	N	4.002	W	10	G	1.2	12	STRAIT OF GIBRALTAR. mbLg 3.4 (MDD).
17	09	55	08.4?	12.72	N	146.00	E	33	N 4.5	0.2	8	SOUTH OF MARIANA ISLANDS
17	10	57	54.6	42.743	N	18.899	E	10	G 4.0	1.3	60	NORTHWESTERN BALKAN REGION. MD 4.0 (TTG). ML 4.0 (TIR), 3.6 (LJU).
17	11	07	23.1	42.829	N	19.203	E	10	G	0.6	10	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
17	11	10	46.1*	42.851	N	19.221	E	10	G	0.4	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
17	11	27	45.9*	42.847	N	19.219	E	10	G	0.2	6	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
17	11	52	35.0?	42.98	N	19.36	E	10	G	0.3	4	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
17	11	56	41.8?	40.73	N	30.06	E	5	G	0.4	4	TURKEY. ML 2.5 (ISK).
17	12	42	23.1*	39.664	N	29.403	E	10	G	0.2	5	TURKEY. ML 2.8 (ISK).
17	12	58	31.9*	45.736	N	26.603	E	150	*	0.7	22	ROMANIA
17	13	06	48.9*	17.514	N	94.245	W	208	? 4.0	0.7	10	CHIAPAS, MEXICO
17	13	08	19.6*	59.430	N	5.973	E	10	G	1.7	6	SOUTHERN NORWAY. MD 1.9 (BER).
17	14	31	48.9*	17.974	N	61.493	W	10	G 4.0	1.1	15	LEEWARD ISLANDS. ML 3.7 (FDF). MD 3.6 (TRN).
17	14	40	09.3	42.991	N	0.309	W	5	G	1.1	36	PYRENEES. MD 3.8 (BTH). ML 3.5 (LDG). mbLg 3.5 (MDD).
17	15	15	19.0	42.973	N	0.340	W	5	G	1.5	61	PYRENEES. ML 3.8 (LDG). mbLg 3.7 (MDD). Felt (II) in the epicentral area, France.
17	15	36	10.8?	26.34	S	27.48	E	5	G	0.5	4	REPUBLIC OF SOUTH AFRICA
17	16	16	21.7?	39.00	N	23.15	E	10	G	1.4	5	GREECE. MD 3.2 (ATH).
17	16	31	08.4	39.602	N	27.164	E	10	G	0.6	10	TURKEY. ML 3.2 (ISK). MD 3.2 (ATH).
17	16	45	45.7	50.910	N	179.436	W	33	N 4.5 4.0	1.3	57	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR).
17	17	14	57.9*	62.025	N	149.175	W	9			44	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.9 (PMR).
17	17	24	54.0	41.860	N	20.031	E	10	G	0.7	13	ALBANIA. ML 2.2 (TTG), 1.8 (TIR).
17	18	25	43.0?	61.85	N	3.16	E	10	G	1.0	6	NORWEGIAN SEA. MD 2.6 (BER).
17	19	26	10.0	35.451	N	3.963	W	10	G	1.3	29	STRAIT OF GIBRALTAR. mbLg 3.6 (MDD).
17	19	47	55.3*	40.824	N	29.047	E	10	G	0.7	8	TURKEY. ML 2.8 (ISK).
17	20	24	18.2?	44.75	N	94.06	E	33	N 4.4	1.3	18	NORTHERN XINJIANG, CHINA
17	20	39	46.6?	36.51	N	3.66	W	10	G	0.7	5	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
17	20	56	42.5	42.904	N	0.295	W	5	G	0.6	14	PYRENEES. mbLg 2.9 (MDD). ML 2.7 (LDG).
17	21	03	32.7*	32.914	S	71.380	W	33	N	1.0	10	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN). Felt (III) at Valparaiso.
17	21	14	50.7	39.601	N	28.811	E	10	G	0.6	15	TURKEY. ML 3.2 (ISK).
17	22	31	49.4	4.736	S	103.151	E	93	D 5.1	1.2	60	SOUTHERN SUMATERA, INDONESIA
17	23	01	04.2*	33.542	S	71.144	W	60	G	0.9	7	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).
17	23	32	30.7*	46.889	N	2.588	W	10	G	0.8	18	BAY OF BISCAY. ML 2.9 (LDG).
17	23	50	48.8	51.603	N	3.139	W	5	G	1.1	31	UNITED KINGDOM. ML 2.8 (LDG). Felt (III) at Bargoed and Blackwood.
17	23	53	05.5	43.496	N	0.594	W	5	G	0.7	13	PYRENEES. mbLg 2.8 (MDD). ML 2.8 (LDG). Felt in the Lacq Oilfield area, France.
17	23	59	10.3	36.657	N	118.315	W	10	G	0.7	11	CENTRAL CALIFORNIA. ML 2.9 (GS). MD 3.1 (GM).
a 18	00	45	47.2	7.433	S	31.751	E	25	G 6.0 5.7	1.0	408	LAKE TANGANYIKA REGION. Mw 5.9 (GS), 5.9 (HRV). Depth from broadband displacement seismograms.
a 18	01	13	05.7	35.520	N	0.106	W	9	G 5.7 5.9	1.2	492	NORTHERN ALGERIA. Mw 5.9 (HRV). MD 5.4 (STR). mbLg 5.2 (MDD). At least 159 people were killed, 289 injured, 8,000 to 10,000 left homeless and thousands of houses destroyed in Mascara Province. Depth from broadband displacement seismograms.
18	01	42	13.7*	7.214	S	120.501	E	551	* 4.9	1.2	46	FLORES SEA
18	01	42	48.6	35.536	N	0.112	W	10	G 4.5	1.2	119	NORTHERN ALGERIA. mbLg 4.0 (MDD).
18	01	58	23.5*	35.532	N	0.160	W	10	G	1.0	15	NORTHERN ALGERIA. mbLg 3.6 (MDD).
18	02	23	45.1	35.451	N	0.097	W	10	G 3.9	0.9	42	NORTHERN ALGERIA. mbLg 3.8 (MDD).
18	03	20	31.8*	33.706	S	70.195	W	10	G	1.3	6	CHILE-ARGENTINA BORDER REGION
18	03	21	46.7?	44.41	N	149.97	E	33	N 4.1	1.5	7	KURIL ISLANDS
18	03	23	48.4*	35.908	N	0.634	W	10	G	0.9	19	NORTHERN ALGERIA. mbLg 3.6 (MDD).
18	03	41	14.7?	44.25	N	150.64	E	33	N 4.4	1.7	12	EAST OF KURIL ISLANDS
18	04	13	05.0	7.970	S	107.960	E	36	D 4.8	1.2	46	JAWA, INDONESIA. Felt (IV) at Bandung and Cilacap; (III) at Jakarta.

a 18	04 21 51.9	44.679 N	150.221 E	33 N	5.7 5.8	1.0	350	EAST OF KURIL ISLANDS. Mw 5.7 (HRV).
a 18	04 42 57.3	44.767 N	150.158 E	15 G	6.2 6.5	1.1	602	EAST OF KURIL ISLANDS. Mw 6.4 (GS), 6.6 (HRV). Ms 6.0 (BRK). Mo=7.7*10**18 Nm (PPT). Depth from broadband displacement seismograms.
18	04 45 23.0	44.815 N	150.279 E	33 N	5.9	1.1	143	EAST OF KURIL ISLANDS
18	04 56 35.4*	44.891 N	150.178 E	33 N	5.0	0.9	47	EAST OF KURIL ISLANDS
18	04 59 34.2?	44.67 N	150.16 E	33 N	5.0	0.6	37	EAST OF KURIL ISLANDS
18	05 00 53.8	35.520 N	0.115 W	10 G	3.3	0.9	30	NORTHERN ALGERIA. mbLg 3.7 (MDD).
18	05 11 41.9?	44.33 N	150.36 E	33 N	4.1	1.2	11	EAST OF KURIL ISLANDS
18	05 15 30.3*	44.135 N	150.762 E	33 N	4.3	0.8	13	EAST OF KURIL ISLANDS
18	05 21 45.6*	44.919 N	150.128 E	33 N	4.8	1.1	38	EAST OF KURIL ISLANDS
18	05 28 25.9*	44.164 N	150.251 E	33 N	4.5	1.3	19	EAST OF KURIL ISLANDS
18	05 38 45.6*	47.077 N	3.040 E	10 G		0.5	8	FRANCE. ML 1.9 (LDG).
18	05 42 52.2*	44.302 N	150.180 E	33 N	4.6	1.0	14	EAST OF KURIL ISLANDS
18	05 45 17.4*	44.698 N	150.267 E	33 N	4.9	1.0	46	EAST OF KURIL ISLANDS
18	05 50 39.9	44.540 N	150.018 E	33 N	4.9	1.2	58	EAST OF KURIL ISLANDS
18	05 59 20.8	43.147 N	0.576 W	10 G		1.5	43	PYRENEES. ML 3.7 (LDG). mbLg 3.6 (MDD). Felt (IV) in the Arette area, France.
18	06 01 11.7	43.244 N	0.698 W	10 G		1.6	12	PYRENEES. ML 3.1 (LDG). mbLg 3.0 (MDD).
18	06 10 28.9?	44.84 N	150.03 E	33 N	4.1	1.4	6	EAST OF KURIL ISLANDS
18	06 10 56.4*	43.080 N	0.610 W	10 G		0.2	5	PYRENEES. ML 1.0 (STR).
18	06 38 57.1*	44.686 N	9.747 E	10 G		0.7	10	NORTHERN ITALY. ML 2.5 (GEN).
18	06 39 12.2	44.827 N	9.799 E	10 G		1.1	44	NORTHERN ITALY. ML 3.3 (LDG), 3.0 (STR).
18	07 20 37.7	43.147 N	0.611 W	5 G		0.7	11	PYRENEES. ML 2.6 (LDG).
18	07 40 47.0	46.443 N	7.410 E	10 G		0.6	23	SWITZERLAND. ML 2.8 (LDG).
18	08 18 17.8*	35.477 N	0.141 W	10 G	3.2	0.8	20	NORTHERN ALGERIA. mbLg 3.7 (MDD).
18	08 26 36.3*	60.323 N	152.573 W	106			54	SOUTHERN ALASKA. <AEIC>.
18	09 13 43.4?	35.69 N	0.61 W	10 G		0.7	10	NORTHERN ALGERIA. mbLg 3.5 (MDD).
18	09 26 43.6*	36.119 N	120.139 W	9			13	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM). ML 2.8 (PAS).
18	09 29 58.4*	45.099 N	3.423 E	5 G		1.1	8	FRANCE. ML 2.4 (LDG).
18	09 37 03.7	35.419 N	0.078 W	10 G	3.9	0.9	45	NORTHERN ALGERIA. mbLg 3.8 (MDD).
18	10 06 19.9	44.469 N	149.964 E	33 N	4.9 4.3	1.0	87	KURIL ISLANDS
18	10 16 34.1?	19.06 S	177.60 W	500 G	4.5	1.5	12	FIJI ISLANDS REGION
18	10 37 31.2	47.069 N	151.611 E	132 *	4.6	1.0	36	KURIL ISLANDS
18	11 54 41.0?	33.16 S	70.06 W	110 G		0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
18	12 29 47.1?	39.22 N	72.10 E	33 N	4.1	0.6	5	KYRGYZSTAN
18	12 53 25.5	39.631 N	26.447 E	10 G		0.7	8	TURKEY. ML 3.3 (ISK). MD 3.1 (ATH).
18	12 59 26.7?	33.79 S	71.77 W	33 N		0.7	7	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
18	13 32 01.9*	39.376 N	29.174 E	10 G		0.8	9	TURKEY. ML 3.0 (ISK).
18	15 03 25.1?	33.08 S	70.36 W	110 G		0.4	7	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
18	15 15 23.6*	62.674 N	152.727 W	13			49	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
18	15 22 23.8?	44.89 N	149.90 E	33 N	3.8	1.3	5	KURIL ISLANDS
18	17 01 26.4?	35.71 N	0.27 W	10 G		0.8	16	NORTHERN ALGERIA. mbLg 3.5 (MDD).
18	18 14 51.8*	40.387 N	25.995 E	10 G		1.7	8	AEGEAN SEA. ML 3.2 (ISK). MD 3.0 (ATH).
18	18 35 27.0	46.348 N	12.556 E	10 G		1.1	23	NORTHERN ITALY. ML 3.0 (VIE), 2.8 (FUR), 2.6 (LJU).
18	18 47 39.6?	33.20 S	71.50 W	33 N		0.4	8	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
18	20 45 44.7*	36.680 N	118.065 W	10			28	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
18	20 57 42.3	45.895 N	2.755 E	5 G		0.3	14	FRANCE. ML 1.9 (LDG), 1.3 (STR).
18	21 15 44.0?	10.64 N	62.03 W	10 G		1.0	7	NEAR COAST OF VENEZUELA. MD 3.3 (TRN).
18	21 52 01.6*	33.168 S	70.301 W	10 G		0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
18	22 28 20.8*	63.264 N	151.185 W	11			42	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
19	00 06 20.5*	45.906 N	2.743 E	5 G		0.3	11	FRANCE. ML 1.9 (LDG).
19	00 37 49.3*	63.126 N	150.423 W	114			66	CENTRAL ALASKA. <AEIC>.
19	01 30 27.7?	28.44 N	34.62 E	5 G		1.0	17	EGYPT. ML 4.3 (JER), 4.2 (BHL).
19	01 36 04.1?	28.64 N	34.83 E	5 G		1.7	16	EGYPT. ML 4.1 (JER), 4.0 (BHL).
19	01 39 06.5*	60.037 N	4.591 E	10 G		0.7	7	SOUTHERN NORWAY. MD 2.4 (BER).
19	02 14 29.7*	33.439 S	148.238 E	10 G		0.3	6	NEW SOUTH WALES, AUSTRALIA. ML 3.0 (TOO), 2.7 (CNB).
19	02 19 39.2*	33.674 S	147.984 E	10 G		1.4	6	NEW SOUTH WALES, AUSTRALIA. ML 3.4 (TOO), 3.0 (CNB).
19	02 36 13.8*	61.866 N	150.470 W	52			66	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.0 (PMR).
19	03 04 11.8?	61.83 N	3.75 E	10 G		1.4	7	NORWEGIAN SEA. MD 2.5 (BER).
19	04 41 20.7*	34.217 N	118.650 W	4			57	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.1 (GS).
19	04 44 06.0?	13.04 S	116.82 E	33 N	4.0	1.4	11	NORTHWEST OF AUSTRALIA
19	04 59 41.6*	32.219 S	71.530 W	33 N		0.7	10	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
19	05 52 23.9?	40.37 N	25.88 E	10 G		1.0	5	AEGEAN SEA. ML 3.1 (ISK).
19	06 24 24.3	45.356 N	6.180 E	5 G		0.4	8	FRANCE. ML 2.5 (LDG), 2.2 (STR).
19	06 40 57.7	44.635 N	150.039 E	33 N	5.3 4.7	1.1	153	EAST OF KURIL ISLANDS
19	06 56 10.1*	34.243 N	118.748 W	14			43	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.6 (GS).
19	07 36 00.3?	39.49 N	29.52 E	10 G		0.9	5	TURKEY. ML 2.7 (ISK).
19	07 37 37.8*	37.084 N	4.162 W	10 G		1.5	5	SPAIN. mbLg 2.6 (MDD).
19	08 32 34.0?	78.66 N	1.10 E	10 G		1.1	7	GREENLAND SEA. MD 3.7 (BER).
19	08 46 50.5*	31.880 N	116.092 W	18			26	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.5 (ECX).
19	08 58 22.0*	3.434 S	142.446 E	33 N	4.7	1.6	13	NEAR N COAST OF NEW GUINEA, PNG.
19	09 02 14.5	40.435 N	25.798 E	10 G	4.1	1.0	34	AEGEAN SEA. ML 4.1 (TIR), 4.0 (ISK). MD 4.0 (ATH).
19	09 07 22.5*	44.657 N	150.048 E	33 N	4.4 3.9	1.3	30	EAST OF KURIL ISLANDS
19	09 08 52.9*	38.816 N	27.829 E	10 G		0.4	5	TURKEY. ML 2.8 (ISK).
19	09 39 23.1*	84.073 N	0.969 E	10 G	4.4	1.6	25	NORTH OF SVALBARD
a 19	10 02 51.8	26.642 S	63.421 W	564 G	6.4	0.9	615	SANTIAGO DEL ESTERO PROV., ARG. Mw 6.5 (GS), 6.5 (HRV). mb 6.0 (BRK). Mo=8.5*10**18 Nm (PPT). Felt at Antofagasta, Chile. Depth from broadband displacement seismograms.
19	10 48 19.4*	59.903 N	152.313 W	80			57	SOUTHERN ALASKA. <AEIC>.
19	10 57 25.9*	40.601 N	30.093 E	10 G		0.5	5	TURKEY. ML 2.7 (ISK).
19	11 07 30.5*	62.738 N	150.531 W	90			85	CENTRAL ALASKA. <AEIC>.
19	11 19 48.0*	69.058 N	30.089 E	5 G		0.5	5	NORWAY-RUSSIA BORDER REGION. MD 3.1 (BER).
19	11 31 08.3*	39.568 N	29.532 E	10 G		0.5	8	TURKEY. ML 2.7 (ISK).
19	11 37 45.6*	35.759 N	0.193 W	10 G	3.1	1.0	22	NORTHERN ALGERIA. mbLg 3.7 (MDD).
19	12 00 01.4*	39.399 N	27.982 E	10 G		0.7	5	TURKEY. ML 2.8 (ISK).
19	12 06 05.6*	44.504 N	7.216 E	10 G		0.3	11	NORTHERN ITALY. ML 2.3 (GEN).
19	12 14 15.3*	26.362 S	27.489 E	5 G		1.1	7	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
19	12 15 23.8*	39.421 N	27.894 E	10 G		0.6	6	TURKEY. ML 2.9 (ISK).
19	12 54 52.8?	10.22 N	126.21 E	66 ?	4.2	0.4	7	PHILIPPINE ISLANDS REGION
19	13 16 13.7*	61.056 N	7.222 E	10 G		0.7	5	SOUTHERN NORWAY. MD 1.9 (BER).
19	13 36 06.5?	5.13 N	125.17 E	33 N		1.1	13	MINDANAO, PHILIPPINE ISLANDS

19	14	12	57.8%	39.249 N	27.776 E	10 G	0.8	5	TURKEY. ML 2.8 (ISK).	
19	14	46	14.2%	59.975 N	4.438 E	10 G	1.3	6	SOUTHERN NORWAY. MD 2.4 (BER).	
19	14	54	17.0*	23.826 N	121.772 E	33 N	1.0	9	TAIWAN	
19	15	15	23.6%	13.164 N	89.231 W	58 ?	0.3	17	EL SALVADOR. MD 3.9 (SSS). Felt (III) at San Salvador.	
19	15	55	41.9%	26.423 S	27.386 E	5 G	0.9	7	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).	
19	16	00	03.4%	33.671 S	70.963 W	70 G	0.5	8	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).	
19	16	39	01.8%	34.308 N	118.427 W	8		28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.0 (GS).	
19	16	39	22.4%	62.270 N	150.979 W	69		51	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).	
19	17	25	10.3%	62.911 N	150.705 W	112		70	CENTRAL ALASKA. <AEIC>.	
19	17	36	16.1*	65.105 N	4.554 E	10 G	1.6	10	NORWEGIAN SEA. MD 3.3 (BER).	
19	18	09	51.2%	33.404 S	148.261 E	10 G	0.6	6	NEW SOUTH WALES, AUSTRALIA. ML 3.4 (TOO), 2.9 (CNB).	
19	18	34	15.2%	51.60 N	15.98 E	5 G	0.8	5	POLAND. ML 2.5 (CLL).	
19	19	21	53.5%	44.07 N	150.64 E	33 N	1.4	8	EAST OF KURIL ISLANDS	
19	19	47	58.5%	34.212 N	118.653 W	6 G		8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS), 2.5 (GS).	
19	19	56	46.9%	33.60 S	72.21 W	33 N	0.8	12	OFF COAST OF CENTRAL CHILE. MD 4.2 (SAN).	
19	20	31	55.7%	5.64 S	146.25 E	129 ?	1.5	6	EASTERN NEW GUINEA REG., P.N.G.	
a 19	21	02	45.6	17.974 N	96.415 E	12 G	5.6 5.6	1.1	307	MYANMAR. Mw 5.8 (GS), 5.8 (HRV). Felt in northern Thailand. Depth from broadband displacement seismograms.
19	21	25	37.2%	52.71 N	159.01 E	33 N	4.4	0.4	18	OFF EAST COAST OF KAMCHATKA
19	22	33	25.3%	44.722 N	6.946 E	10 G		0.2	7	FRANCE. ML 1.9 (GEN).
19	22	42	05.8%	38.688 N	123.540 W	5			28	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM).
19	22	46	16.2%	34.218 N	118.642 W	4			34	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
19	22	49	31.1%	42.801 N	18.727 E	10 G		0.4	7	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
19	22	50	32.5%	34.213 N	118.649 W	4			29	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
19	22	53	44.9%	52.08 N	159.79 E	33 N	4.5	0.8	26	OFF EAST COAST OF KAMCHATKA
19	23	17	31.9%	52.77 N	158.98 E	33 N		0.5	11	NEAR EAST COAST OF KAMCHATKA
19	23	31	24.6%	34.217 N	118.649 W	4			8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
19	23	52	10.1%	33.352 S	148.234 E	10 G		1.2	8	NEW SOUTH WALES, AUSTRALIA. ML 3.5 (TOO), 3.1 (CNB).
20	00	11	13.4	52.230 N	160.427 E	33 N	4.7	1.1	59	OFF EAST COAST OF KAMCHATKA
20	00	46	58.7%	35.420 N	117.194 W	5			48	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.8 (GS).
20	01	51	42.6%	60.055 N	152.896 W	105			70	SOUTHERN ALASKA. <AEIC>.
a 20	01	56	05.2*	3.129 S	148.464 E	33 N	4.8 4.9	1.3	21	BISMARCK SEA. Mw 5.2 (HRV).
20	01	57	30.3*	51.398 N	15.725 E	10 G		0.9	12	POLAND. ML 3.8 (GRF), 3.7 (VIE).
a 20	02	21	11.0	44.606 N	149.325 E	23 G	6.0 5.2	0.9	461	KURIL ISLANDS. Mw 5.5 (GS), 5.6 (HRV). Depth from broadband displacement seismograms.
20	02	46	55.4*	5.612 S	147.333 E	191		1.0	12	EASTERN NEW GUINEA REG., P.N.G.
20	02	51	57.6%	38.867 N	27.811 E	10 G		0.3	5	TURKEY. ML 2.9 (ISK).
a 20	04	38	50.5	44.656 N	149.176 E	24 G	6.2 6.1	1.1	541	KURIL ISLANDS. Mw 6.1 (GS), 6.2 (HRV). Ms 5.7 (BRK). Mo=2.8*10**18 Nm (PPT). Depth from broadband displacement seismograms.
20	04	43	34.5%	41.87 N	20.05 E	10 G		0.4	8	ALBANIA. ML 2.0 (TTG).
20	04	55	22.7*	35.493 N	3.770 W	10 G		1.7	20	STRAIT OF GIBRALTAR. MD 3.7 (MDD).
20	04	55	27.3*	35.446 N	3.922 W	10 G	4.4	1.4	44	STRAIT OF GIBRALTAR. mbLg 4.0 (MDD). Felt (III) in the Al Hoceima area, Morocco.
20	05	28	00.7*	30.571 S	72.321 W	33 N		1.0	12	OFF COAST OF CENTRAL CHILE
20	05	46	24.5%	59.319 N	136.468 W	10 G			5	SOUTHEASTERN ALASKA. <PGC-P>. ML 2.9 (PGC).
20	06	40	06.3%	43.993 N	7.644 E	10 G		0.4	7	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN).
20	06	46	50.1	44.479 N	149.249 E	33 N	4.9	0.9	80	KURIL ISLANDS
20	07	58	47.2*	35.615 N	0.184 W	10 G	3.0	1.0	27	NORTHERN ALGERIA. mbLg 3.5 (MDD).
20	08	44	04.8*	42.074 N	19.189 E	10 G		1.2	12	NORTHWESTERN BALKAN REGION. MD 2.5 (TTG).
20	09	15	56.4%	9.35 N	126.36 E	33 N		1.3	4	MINDANAO, PHILIPPINE ISLANDS
20	09	35	30.9	42.937 N	18.409 E	10 G		0.4	10	NORTHWESTERN BALKAN REGION. MD 2.3 (TTG).
20	09	37	30.8	42.990 N	18.391 E	10 G		0.5	10	NORTHWESTERN BALKAN REGION. MD 2.1 (TTG).
20	10	38	31.1%	61.968 N	150.637 W	51			67	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
20	10	45	44.6	36.136 N	91.058 W	5 G		0.5	13	MISSOURI-ARKANSAS BORDER REGION. mbLg 3.5 (GS). Felt (IV) at Black Rock, Jonesboro, Lynn, Pocahontas, Portia, Tuckerman and Walnut Ridge; (III) at Hoxie, Imboden, Ravenden Springs and Smithville; (II) at Minturn, Powhatan and Ravenden, Arkansas.
20	11	14	33.8%	63.369 N	149.156 W	93			58	CENTRAL ALASKA. <AEIC>.
20	11	40	09.9%	38.763 N	26.336 E	10 G		1.1	6	AEGEAN SEA. ML 3.3 (ISK).
20	11	49	19.3%	35.503 N	3.797 W	10 G		0.8	11	STRAIT OF GIBRALTAR. mbLg 3.4 (MDD).
20	12	17	10.8	44.376 N	150.180 E	33 N	4.9	1.0	76	EAST OF KURIL ISLANDS
20	12	17	50.8	35.403 N	3.948 W	10 G		1.0	34	STRAIT OF GIBRALTAR. mbLg 3.7 (MDD).
20	12	19	58.5%	43.94 N	126.82 W	10 G		0.4	40	OFF COAST OF OREGON
20	12	20	58.0%	51.50 N	15.88 E	10 G		0.9	5	POLAND. ML 2.2 (CLL).
20	12	28	06.5%	40.788 N	124.991 W	25			14	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM).
20	12	35	19.9%	39.787 N	29.559 E	10 G		0.8	5	TURKEY. ML 2.8 (ISK).
20	12	54	19.4	51.784 N	178.615 W	33 N	4.6 4.1	1.1	56	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
20	13	06	19.4*	17.856 S	167.339 E	33 N	4.2	1.5	21	VANUATU ISLANDS
20	13	46	37.0	42.661 N	111.024 W	5 G		0.9	17	EASTERN IDAHO. ML 3.2 (GS), 3.2 (BUT).
20	13	57	15.3%	18.11 N	61.91 W	10 G		0.2	9	LEEWARD ISLANDS. ML 3.9 (FDF). MD 3.6 (TRN).
20	14	04	20.6*	67.041 N	13.659 E	10 G		1.2	6	NORTHERN NORWAY. MD 3.0 (BER).
20	14	10	19.5%	40.26 N	27.53 E	10 G		0.3	4	TURKEY. ML 2.7 (ISK).
20	14	52	18.7%	34.80 S	71.20 W	70 G		0.2	8	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
20	14	55	39.1*	35.502 N	3.810 W	10 G		0.9	14	STRAIT OF GIBRALTAR. mbLg 3.5 (MDD).
20	16	20	35.8%	32.038 N	114.853 W	14			10	W. ARIZONA-SONORA BORDER REGION. <ECX-P>. MD 3.5 (ECX). ML 3.3 (GS), 3.1 (PAS).
20	16	37	33.2%	26.55 S	17.12 E	10 G		1.6	10	NAMIBIA
20	16	40	19.9%	64.09 N	22.95 W	10 G	4.3	1.1	21	ICELAND
20	18	06	16.8%	31.85 S	71.10 W	90 G		0.3	8	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
a 20	18	18	25.4	3.120 N	127.420 E	77	5.2	1.3	95	TALAUD ISLANDS, INDONESIA. Mw 5.4 (HRV).
20	18	30	50.4%	26.426 S	27.415 E	5 G		0.3	6	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
20	18	45	07.6*	51.000 N	15.760 E	10 G		1.2	6	POLAND
20	18	50	32.4%	35.535 N	3.850 W	10 G		0.4	6	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD).
20	19	11	56.1	52.275 N	160.483 E	33 N	4.7 4.4	1.0	87	OFF EAST COAST OF KAMCHATKA
20	19	20	00.9%	52.82 N	158.78 E	33 N	4.2	0.6	13	NEAR EAST COAST OF KAMCHATKA
20	19	58	41.6	52.470 N	160.075 E	33 N	4.7 4.3	1.0	58	OFF EAST COAST OF KAMCHATKA
20	20	08	44.4	52.331 N	160.282 E	33 N	4.8	0.9	84	OFF EAST COAST OF KAMCHATKA
20	20	22	55.1%	33.377 N	116.385 W	10			10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.1 (GS).
20	21	11	31.7%	33.82 N	76.42 E	33 N	4.5	1.0	30	KASHMIR-INDIA BORDER REGION
20	21	31	11.8%	52.45 N	160.10 E	33 N	4.4	1.1	15	OFF EAST COAST OF KAMCHATKA

20	21	39	30.2?	26.15	S	179.80	W	412 *	4.6	1.3	22	SOUTH OF FIJI ISLANDS
20	23	42	14.3&	48.850	N	129.168	W	10 G			21	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.6 (PGC).
21	00	21	41.8	52.324	N	160.242	E	33 N	4.8	0.8	86	OFF EAST COAST OF KAMCHATKA
21	00	56	46.0&	48.767	N	129.300	W	10 G			9	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.1 (PGC).
21	01	01	16.5	18.850	N	60.803	W	38 D	4.3	0.7	39	LEEWARD ISLANDS. MD 4.6 (TRN).
21	01	29	16.8?	17.11	N	61.21	W	10 G		0.9	4	LEEWARD ISLANDS. ML 2.8 (FDF).
21	02	06	33.5*	37.891	N	69.944	E	33 N	4.3	1.0	11	AFGHANISTAN-TAJIKISTAN BORD REG.
21	02	07	26.9	52.300	N	160.087	E	44 *	4.7	1.0	71	OFF EAST COAST OF KAMCHATKA
21	02	15	06.7	33.353	S	148.277	E	10 G		0.5	6	NEW SOUTH WALES, AUSTRALIA. ML 3.4 (TOO), 2.7 (CNB).
21	02	23	55.3&	48.837	N	129.215	W	10 G			10	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.0 (PGC).
21	02	37	31.8?	36.71	N	1.21	W	10 G		1.4	4	WESTERN MEDITERRANEAN SEA
21	02	55	50.6&	26.875	S	26.806	E	5 G		1.2	6	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
21	04	24	45.3*	35.981	N	21.498	E	5 G	3.4	1.2	9	CENTRAL MEDITERRANEAN SEA. ML 3.7 (ATH).
21	04	25	03.9	52.262	N	159.859	E	44 *	4.9 4.5	0.9	126	OFF EAST COAST OF KAMCHATKA
21	04	29	24.1*	35.723	N	21.367	E	5 G	3.2	1.2	22	CENTRAL MEDITERRANEAN SEA. ML 3.6 (ATH).
21	04	57	38.9	58.536	N	141.027	W	10 G		0.8	48	OFF COAST OF SOUTHEASTERN ALASKA. ML 4.0 (PGC), 3.9 (PMR), 3.7 (AEIC).
21	05	07	01.4?	36.82	N	3.00	W	10 G		0.1	4	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
21	05	32	36.0	44.804	N	9.905	E	21		1.1	32	NORTHERN ITALY. ML 2.7 (LDG).
21	05	33	18.3?	61.63	N	4.27	E	10 G		1.2	6	SOUTHERN NORWAY. MD 2.3 (BER).
21	05	44	24.2?	53.35	N	156.84	E	33 N	4.2	0.9	12	KAMCHATKA
21	05	46	20.4*	36.265	N	22.039	E	33 N		1.4	7	SOUTHERN GREECE. MD 3.6 (ATH).
21	05	53	50.6	33.391	S	148.186	E	10 G		1.4	10	NEW SOUTH WALES, AUSTRALIA. ML 3.8 (RIV).
21	06	19	55.0	52.518	N	159.131	E	78	4.5	0.6	59	OFF EAST COAST OF KAMCHATKA
21	06	54	00.8	9.828	S	122.151	E	33 N	4.8	1.0	16	SAVU SEA
21	07	31	31.0	35.653	N	35.509	E	10 G	4.1	0.9	29	JORDAN - SYRIA REGION. ML 4.2 (JER), 3.6 (BHL).
21	07	53	10.2&	59.238	N	153.270	W	87			41	SOUTHERN ALASKA. <AEIC>.
21	08	01	50.1*	35.830	N	23.406	E	89 *	3.6	1.4	13	CRETE. MD 3.9 (ATH).
21	08	04	21.6*	36.627	N	8.868	E	10 G		0.8	26	TUNISIA
21	08	55	46.5*	58.464	N	142.806	W	10 G		0.7	24	GULF OF ALASKA. ML 2.6 (AEIC).
a 21	09	15	48.1	6.492	S	143.433	E	31	5.3 4.4	1.0	70	NEW GUINEA, PAPUA NEW GUINEA. Mw 5.1 (HRV). ML 4.7 (PMG).
21	11	10	14.6?	36.19	N	1.44	W	10 G		1.2	6	WESTERN MEDITERRANEAN SEA. mbLg 3.4 (MDD).
21	11	26	41.8?	33.17	S	70.21	W	110 G		0.4	7	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
21	11	28	58.2*	5.834	N	125.679	E	76 ?	4.3	0.8	6	MINDANAO, PHILIPPINE ISLANDS
21	11	57	27.0*	34.908	N	27.157	E	33 N		0.7	7	EASTERN MEDITERRANEAN SEA. MD 3.9 (ATH).
21	12	52	40.7&	34.592	N	116.617	W	4			20	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS), 3.3 (GS).
21	12	54	28.6*	35.671	N	0.166	W	10 G	3.0	1.1	21	NORTHERN ALGERIA. mbLg 3.7 (MDD).
21	13	00	49.9?	39.09	N	27.66	E	5 G		0.2	4	TURKEY. ML 2.7 (ISK).
21	13	05	08.4	50.715	N	129.774	W	10 G	4.4	1.0	90	VANCOUVER ISLAND REGION
21	13	44	50.0?	35.42	N	0.16	W	10 G		0.6	9	NORTHERN ALGERIA. mbLg 3.5 (MDD).
21	14	34	24.3*	37.358	N	21.507	E	5 G		1.4	8	SOUTHERN GREECE. MD 3.6 (ATH).
21	14	42	10.0	35.837	N	35.717	E	10 G	4.1	1.0	37	JORDAN - SYRIA REGION. ML 4.2 (JER), 4.1 (BHL).
21	15	55	13.1*	5.112	S	145.006	E	33 N	3.8	1.4	6	EASTERN NEW GUINEA REG., P.N.G.
a 21	15	55	59.2	56.761	N	117.900	E	12 G	5.8 5.8	1.0	500	EAST OF LAKE BAYKAL, RUSSIA. Mw 5.9 (GS), 6.0 (HRV). Mo=3.8*10**18 Nm (OBN), 1.5*10**18 Nm (PPT). Felt (V) at Chara; (IV) at Bodaybo and Khani-Yuktali; (III) at Lopcha; (II) at Chita and Zeya. Depth from broadband displacement seismograms.
21	16	16	01.7?	15.78	S	174.01	W	176 ?	4.8	0.8	16	TONGA ISLANDS
21	16	51	07.7*	30.564	N	131.656	E	33 N	4.0	0.6	8	KYUSHU, JAPAN
21	18	29	03.9*	51.461	N	179.085	E	33 N	4.1	1.1	7	RAT ISLANDS, ALEUTIAN ISLANDS
21	21	10	47.0&	58.792	N	152.835	W	65			39	KODIAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
21	21	43	43.9&	40.667	N	27.416	E	10 G		0.4	5	TURKEY. ML 2.7 (ISK).
21	21	49	32.3	36.214	N	27.518	E	16		0.7	22	DODECANESE ISLANDS. MD 3.9 (ATH). ML 3.8 (ISK).
21	21	57	55.9*	9.168	S	111.849	E	58 ?	5.2	0.8	24	SOUTH OF JAWA, INDONESIA
21	23	20	01.4	52.148	N	160.196	E	49 *	4.7	0.8	89	OFF EAST COAST OF KAMCHATKA
21	23	48	30.6	52.058	N	160.495	E	28	4.8	1.0	76	OFF EAST COAST OF KAMCHATKA
22	01	00	33.8	51.231	N	179.249	W	33 N	4.5 4.2	0.9	72	ANDREANOF ISLANDS, ALEUTIAN IS.
22	01	45	09.5?	31.65	S	69.77	W	120 G		0.8	9	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
22	01	47	26.5*	18.103	N	101.752	W	90 ?		0.5	11	GUERRERO, MEXICO
22	03	00	05.6?	36.47	N	2.78	W	10 G		0.4	5	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
22	03	31	43.4	22.028	S	126.536	E	10 G	4.2	0.8	7	WESTERN AUSTRALIA
22	04	05	29.2	33.560	N	134.596	E	38	4.9	0.8	33	SHIKOKU, JAPAN
22	06	03	36.6&	35.637	N	0.008	W	10 G		0.8	16	NORTHERN ALGERIA. mbLg 3.6 (MDD).
22	06	05	31.7?	60.49	N	10.64	E	10 G		1.1	4	SOUTHERN NORWAY. MD 2.7 (BER).
22	06	18	49.9?	36.60	N	2.81	W	10 G		0.5	4	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
22	06	30	52.4&	49.351	N	127.662	W	10 G			16	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.1 (PGC).
22	07	00	09.3&	62.939	N	151.060	W	128			51	CENTRAL ALASKA. <AEIC>.
22	07	33	21.8&	34.213	S	71.109	W	60 G		0.4	6	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
22	08	35	24.7?	37.70	N	25.83	E	10 G		0.3	6	DODECANESE ISLANDS. ML 3.6 (ISK).
22	08	56	56.7&	40.284	N	29.007	E	10 G		0.5	5	TURKEY. ML 2.7 (ISK).
22	08	59	27.1	40.238	N	19.624	E	21	3.2	1.2	38	ALBANIA. ML 3.4 (TTG), 3.2 (TIR). MD 3.8 (ATH).
22	09	26	24.5&	39.234	N	27.763	E	10 G		0.5	5	TURKEY. ML 2.8 (ISK).
22	09	33	13.6	18.661	S	168.964	E	221 *	4.9	0.9	78	VANUATU ISLANDS
22	10	05	56.5&	44.879	N	9.935	E	10 G		0.4	8	NORTHERN ITALY
22	10	15	58.3	52.298	N	160.372	E	32 D	5.0	1.1	106	OFF EAST COAST OF KAMCHATKA
22	10	16	27.5?	39.36	N	29.77	E	10 G		1.2	4	TURKEY. ML 2.6 (ISK).
22	10	35	14.0&	33.612	S	70.338	W	10 G		0.7	6	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
22	10	57	25.1&	37.123	N	4.192	W	10 G		0.4	5	SPAIN. mbLg 2.3 (MDD).
22	11	06	08.1&	39.169	N	27.552	E	10 G		0.5	6	TURKEY. ML 2.9 (ISK).
a 22	11	09	38.4	44.621	N	150.310	E	33 N	5.2 5.1	1.0	187	EAST OF KURIL ISLANDS. Mw 5.3 (HRV).
22	11	17	49.9?	39.32	N	29.57	E	10 G		1.0	4	TURKEY. ML 2.7 (ISK).
22	11	28	38.5&	39.544	N	29.404	E	10 G		0.5	5	TURKEY. ML 2.7 (ISK).
22	11	36	43.1&	39.352	N	27.660	E	33 N		0.2	5	TURKEY. ML 2.8 (ISK).
22	11	42	54.7&	39.249	N	27.762	E	10 G		0.8	5	TURKEY. ML 2.7 (ISK).
22	11	45	59.2&	16.272	N	61.282	W	33 N		0.5	4	LEEWARD ISLANDS. ML 1.8 (FDF).
22	11	59	15.6*	70.657	N	7.494	W	10 G		1.2	8	JAN MAYEN ISLAND REGION. MD 3.7 (BER).
22	12	00	12.8*	42.546	N	2.415	E	10 G		1.3	7	PYRENEES. ML 2.4 (LDG), 2.0 (STR).
22	12	40	24.7	70.842	N	6.932	W	10 G	4.1	1.2	17	JAN MAYEN ISLAND REGION
a 22	12	41	16.5	70.922	N	6.103	W	10 G	5.3 4.9	1.0	238	JAN MAYEN ISLAND REGION. Mw 5.3 (HRV).
22	13	21	03.6?	39.60	N	29.37	E	5 G		0.6	4	TURKEY. ML 2.7 (ISK).
22	13	24	50.8?	21.57	S	175.13	W	162 ?	4.8	0.9	10	TONGA ISLANDS

22	13	41	31.9*	38.650	N	20.625	E	5	G	0.7	5	GREECE. MD 3.3 (ATH).
22	15	11	19.8	38.504	N	24.022	E	5	G	3.5	1.2	28 AEGEAN SEA. ML 3.5 (ATH).
22	15	34	55.0&	31.872	N	116.069	W	18			27	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.5 (ECX). ML 3.5 (GS).
22	15	50	27.4&	61.894	N	150.276	W	0			66	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.2 (PMR). Felt (II) at Willow.
22	15	53	56.8*	6.603	N	127.193	E	10	G	4.3	0.8	9 PHILIPPINE ISLANDS REGION
22	16	05	40.3	47.266	N	8.540	E	29			0.5	16 SWITZERLAND. ML 2.8 (LDG), 2.5 (VIE).
22	16	39	20.9	35.477	N	3.881	W	10	G		0.8	15 STRAIT OF GIBRALTAR. mbLg 3.4 (MDD).
22	16	50	04.6?	36.01	N	0.79	W	10	G		0.9	9 WESTERN MEDITERRANEAN SEA. mbLg 3.7 (MDD).
22	17	02	58.3%	33.235	S	70.243	W	10	G		0.2	7 CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
a 22	17	26	37.5	11.509	S	166.452	E	142	G	6.2	0.9	454 SANTA CRUZ ISLANDS. Mw 6.2 (GS), 6.2 (HRV). Mo=3.4*10**18 Nm (PPT). Depth from broadband displacement seismograms.
22	17	29	13.9%	26.407	S	27.473	E	5	G		0.7	9 REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
22	17	59	49.7&	62.015	N	124.150	W	10	G	4.4		22 NORTHWEST TERRITORIES, CANADA. <PGC-P>. mbLg 4.3 (PGC).
22	19	38	31.2	42.982	N	17.739	E	10	G		1.1	12 ADRIATIC SEA. ML 2.7 (TTG).
22	19	39	40.7*	42.879	N	0.167	E	5	G		0.6	9 PYRENEES. ML 2.8 (LDG).
22	19	56	50.1	4.525	N	35.034	E	10	G	4.7 4.4	1.0	35 KENYA
22	20	26	20.1?	37.83	N	29.35	E	10	G		1.0	4 TURKEY. ML 3.1 (ISK).
22	20	27	16.2&	34.217	N	118.651	W	4				29 SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.8 (GS).
22	20	30	40.9%	40.478	N	30.444	E	5	G		0.6	8 TURKEY. ML 2.9 (ISK).
22	21	19	51.9*	71.601	N	7.597	W	10	G	4.1 4.1	1.0	34 JAN MAYEN ISLAND REGION. MD 4.3 (BER).
a 22	21	31	16.8	30.976	N	141.707	E	33	N	5.2 5.1	0.9	120 SOUTH OF HONSHU, JAPAN. Mw 5.4 (HRV).
22	23	40	33.3	38.781	N	26.402	E	19			0.9	25 AEGEAN SEA. ML 3.5 (ATH), 3.4 (ISK).
22	23	43	43.2	42.624	N	111.021	W	5	G		0.9	14 EASTERN IDAHO. ML 3.2 (GS), 3.4 (BUT).
23	00	37	36.4&	63.455	N	151.069	W	11				46 CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
23	00	41	59.6%	44.110	N	8.041	E	5	G		0.6	6 NORTHERN ITALY. ML 1.9 (GEN).
23	00	47	17.8&	59.817	N	153.157	W	116				52 SOUTHERN ALASKA. <AEIC>.
23	01	52	32.3&	62.861	N	150.878	W	101				74 CENTRAL ALASKA. <AEIC>.
23	02	12	00.7*	45.311	N	16.430	E	10	G		1.0	9 NORTHWESTERN BALKAN REGION. ML 2.4 (LJU).
23	03	00	23.3	40.720	N	20.973	E	10	G		1.1	15 GREECE-ALBANIA BORDER REGION. ML 2.9 (TTG), 2.6 (SKO), 2.4 (TIR).
23	03	03	33.8%	39.491	N	27.910	E	5	G		0.9	6 TURKEY. ML 2.8 (ISK).
23	04	10	31.7	35.503	N	3.878	W	10	G		0.9	13 STRAIT OF GIBRALTAR. mbLg 3.4 (MDD).
23	04	29	23.2*	34.521	N	31.857	E	10	G		1.0	6 CYPRUS REGION. ML 4.0 (ISK), 3.6 (CSS).
23	04	50	36.5	6.601	S	143.408	E	33	N	5.3	0.9	28 NEW GUINEA, PAPUA NEW GUINEA
23	05	03	09.6	38.822	N	106.952	W	5	G		0.6	18 COLORADO. ML 2.2 (GS). Felt (III) at Gothic.
23	05	50	28.7*	8.969	N	126.459	E	33	N		0.2	5 MINDANAO, PHILIPPINE ISLANDS
23	06	15	30.6?	7.32	S	150.44	E	33	N		0.6	5 NEW BRITAIN REGION, P.N.G. ML 3.4 (PMG).
a 23	06	16	35.9*	0.354	N	122.350	E	132	*	5.0	0.6	14 MINAHASSA PENINSULA, SULAWESI
23	06	22	04.8	23.786	S	179.992	E	521	D	5.3	0.9	130 SOUTH OF FIJI ISLANDS. Mw 5.6 (HRV).
23	06	47	49.9	42.825	N	28.686	E	10	G		0.8	18 BLACK SEA. ML 3.4 (ISK).
23	07	20	32.2?	14.02	N	92.38	W	82	?		1.4	7 NEAR COAST OF CHIAPAS, MEXICO
23	07	35	38.3%	39.281	N	27.862	E	10	G		0.5	6 TURKEY. ML 2.9 (ISK).
23	08	17	27.8	39.198	N	30.355	E	10	G		1.1	15 TURKEY. ML 3.4 (ISK).
23	09	15	46.9?	45.55	N	6.69	E	10	G		0.1	6 FRANCE
23	09	16	31.5*	35.728	N	0.242	W	10	G	3.2	1.2	23 NORTHERN ALGERIA. mbLg 3.7 (MDD).
23	09	20	09.8*	50.821	N	2.863	E	10	G		0.8	19 FRANCE. ML 2.9 (LDG).
23	09	27	59.6%	39.962	N	28.077	E	10	G		0.4	11 TURKEY. ML 3.0 (ISK).
23	10	18	32.7	43.123	N	0.444	W	5	G		0.3	7 PYRENEES. ML 1.0 (STR).
23	10	45	25.3*	43.894	N	44.490	E	33	N	3.8	1.0	9 NORTHWESTERN CAUCASUS
23	10	48	48.6%	36.586	N	2.830	W	5	G		1.1	10 STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
23	11	01	32.4%	60.480	N	5.403	E	10	G		0.8	5 SOUTHERN NORWAY. MD 1.5 (BER).
23	11	37	28.9?	41.35	N	1.27	E	10	G		1.0	11 SPAIN. mbLg 2.9 (MDD). ML 2.8 (LDG), 2.8 (STR).
23	11	47	52.0?	39.04	N	27.71	E	33	N		0.1	4 TURKEY. ML 2.8 (ISK).
23	12	05	43.3*	36.542	N	70.396	E	33	N	4.8	0.6	13 HINDU KUSH REGION, AFGHANISTAN
23	13	07	41.3?	44.52	N	150.00	E	33	N	3.7	1.0	10 EAST OF KURIL ISLANDS
23	13	13	27.1%	43.079	N	0.634	W	10	G		0.1	9 PYRENEES. ML 1.0 (STR).
23	14	18	18.0*	36.375	N	10.340	W	33	N	4.2	1.1	59 NORTH ATLANTIC OCEAN. mbLg 4.0 (MDD).
a 23	14	18	31.6	40.041	N	78.818	E	33	N	5.0 5.0	1.2	89 SOUTHERN XINJIANG, CHINA. Mw 5.3 (HRV).
23	14	33	52.8&	59.059	N	152.399	W	88		4.6	197	SOUTHERN ALASKA. <AEIC>. Felt (III) at Homer, Port Graham and Seldovia.
23	15	09	44.3&	61.904	N	150.309	W	0				72 SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
23	16	04	57.0	44.479	N	7.264	E	11			0.3	18 NORTHERN ITALY. ML 2.4 (GEN), 2.1 (LDG).
23	16	24	51.8?	17.33	N	61.09	W	33	N		0.5	7 LEeward ISLANDS. ML 2.8 (FDF).
23	16	40	53.5*	36.437	N	27.225	E	140	G		0.3	5 DODECANESE ISLANDS
23	17	22	36.2%	11.421	N	61.871	W	90	G		1.3	8 WINDWARD ISLANDS. MD 3.5 (TRN).
23	17	32	51.7*	38.550	N	22.304	E	5	G		0.7	5 GREECE. ML 3.0 (ATH).
23	17	33	26.8?	18.07	S	70.62	W	110	*	5.1	1.2	14 NEAR COAST OF NORTHERN CHILE. Felt (III) at Tacna, Peru.
23	17	50	17.0	43.438	N	5.443	E	5	G		0.6	16 NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR).
23	18	30	10.4?	5.72	S	146.68	E	138	*	4.3	1.1	7 EASTERN NEW GUINEA REG., P.N.G.
23	19	44	35.5%	39.008	N	27.846	E	10	G		0.7	5 TURKEY. ML 2.9 (ISK).
23	19	45	27.3?	33.16	S	70.29	W	10	G		0.2	6 CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
23	19	52	34.0*	2.407	N	126.150	E	33	N	5.2	1.3	9 NORTHERN MOLUCCA SEA
23	20	07	59.2	39.100	N	27.737	E	10	G		0.9	24 TURKEY. ML 3.3 (ISK).
23	21	13	26.8?	4.97	S	130.92	E	33	N	4.8	0.9	8 BANDA SEA
23	21	15	00.6?	52.67	N	159.24	E	33	N	4.5	0.9	24 OFF EAST COAST OF KAMCHATKA
23	21	39	46.8%	41.745	N	20.215	E	10	G		0.8	10 ALBANIA. ML 2.2 (TTG).
24	00	30	49.3?	35.99	S	71.25	W	100	G		0.4	12 CENTRAL CHILE. MD 4.1 (SAN).
24	01	04	50.1%	43.073	N	0.706	W	10	G		0.6	6 PYRENEES. ML 1.0 (STR). MD 1.1 (BTH).
24	01	22	55.0*	31.878	S	70.823	W	100	G		0.3	10 CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
24	01	28	26.1	52.302	N	160.336	E	32	D	5.4 4.7	1.0	201 OFF EAST COAST OF KAMCHATKA
24	01	58	49.1	32.243	S	70.396	W	110	G		0.7	13 CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
24	02	03	09.8*	52.775	N	158.800	E	33	N	5.2	0.9	26 NEAR EAST COAST OF KAMCHATKA
24	03	33	55.9&	38.792	N	122.734	W	3				30 NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (GS).
24	03	46	22.3	15.877	S	175.071	W	314	*	4.8	0.6	104 TONGA ISLANDS
24	05	03	22.1%	39.412	N	27.799	E	5	G		0.5	8 TURKEY. ML 3.1 (ISK).
24	05	08	38.0?	10.97	N	61.96	W	70	G		1.3	5 TRINIDAD. MD 2.5 (TRN).
24	05	10	49.3?	34.61	S	70.51	W	120	G		0.1	7 CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
24	05	56	23.0	6.547	N	73.241	W	211		4.6	1.1	59 NORTHERN COLOMBIA
24	06	00	32.0&	58.248	N	156.108	W	124				81 ALASKA PENINSULA. <AEIC>.

24	06	28	24.2	41.819	N	20.035	E	10	G				0.7	14	ALBANIA. ML 2.4 (TTG), 2.1 (TIR).
24	06	51	41.7*	32.317	S	71.534	W	10	G				1.2	13	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
24	07	38	05.4	5.978	N	124.053	E	560		5.0			0.8	32	MINDANAO, PHILIPPINE ISLANDS
24	07	54	13.3&	61.471	N	144.327	W	42						63	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC).
24	08	53	48.9*	10.939	S	112.886	E	33	N	5.2			1.1	18	SOUTH OF JAWA, INDONESIA
24	09	15	07.5&	58.325	N	152.449	W	56						51	KODIAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
24	09	26	21.4?	39.67	N	29.48	E	10	G				0.4	5	TURKEY. ML 2.7 (ISK).
24	09	30	40.1&	35.346	N	3.954	W	10	G				1.1	10	STRAIT OF GIBRALTAR. mbLg 3.4 (MDD).
24	09	57	44.1&	69.390	N	29.607	E	10	G				0.8	5	NORWAY-RUSSIA BORDER REGION. MD 2.7 (BER).
24	09	59	07.3*	52.221	N	160.898	E	33	N	4.8			1.0	15	OFF EAST COAST OF KAMCHATKA
24	10	12	50.8*	5.518	N	125.877	E	119	*	4.7			0.9	18	MINDANAO, PHILIPPINE ISLANDS
24	11	23	34.9?	32.26	S	70.28	W	120	G				0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
24	11	32	47.5&	26.362	S	27.694	E	5	G				0.4	5	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
24	11	54	17.3?	39.12	N	27.65	E	10	G				0.5	4	TURKEY. ML 2.8 (ISK).
24	12	24	05.3?	35.06	S	71.08	W	90	G				0.2	7	CENTRAL CHILE. MD 4.0 (SAN).
24	12	36	21.0?	39.56	N	29.52	E	10	G				1.1	4	TURKEY. ML 2.7 (ISK).
24	13	02	45.3*	39.668	N	138.394	E	33	N	5.2			0.4	8	EASTERN SEA OF JAPAN
24	13	15	42.4*	17.774	N	95.004	W	33	N				1.3	8	OAXACA, MEXICO
24	13	45	55.7*	52.248	N	160.357	E	41	*	5.2			1.0	38	OFF EAST COAST OF KAMCHATKA
24	14	05	02.7?	17.02	S	167.53	E	33	N	4.4			0.8	11	VANUATU ISLANDS
24	14	20	55.2	38.279	N	21.931	E	5	G	3.9			1.2	13	GREECE. MD 3.6 (ATH). ML 3.6 (TIR).
24	14	21	31.7?	60.38	N	4.98	E	10	G				0.1	4	SOUTHERN NORWAY. MD 1.3 (BER).
24	14	27	59.1&	60.435	N	5.532	E	10	G				0.3	5	SOUTHERN NORWAY. MD 1.2 (BER).
24	15	11	17.8?	15.45	S	73.63	W	33	N				0.7	4	SOUTHERN PERU
a 24	15	17	40.3	25.076	S	13.594	W	10	G	5.3	4.8		1.1	101	SOUTHERN MID-ATLANTIC RIDGE. Mw 5.3 (HRV).
24	15	24	49.7	41.840	N	20.029	E	10	G				0.6	10	ALBANIA. ML 2.3 (TTG).
24	15	49	01.0?	15.35	N	98.58	W	68	?				0.8	7	OFF COAST OF GUERRERO, MEXICO
24	16	32	34.7&	59.824	N	154.005	W	152						87	SOUTHERN ALASKA. <AEIC>.
24	17	10	31.0&	59.934	N	153.245	W	127						52	SOUTHERN ALASKA. <AEIC>.
24	17	54	19.0	39.289	N	20.545	E	10	G	3.2			1.1	12	GREECE-ALBANIA BORDER REGION. MD 3.4 (ATH).
24	17	55	27.2	39.062	N	27.767	E	5	G				1.0	27	TURKEY. ML 3.8 (ISK). MD 3.8 (ATH).
24	18	04	56.6?	38.84	N	28.24	E	10	G				1.3	4	TURKEY. ML 2.9 (ISK).
24	18	33	13.7&	33.156	S	70.295	W	10	G				0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
24	18	34	21.9&	39.033	N	27.863	E	10	G				0.5	7	TURKEY. ML 3.0 (ISK).
24	18	52	23.4&	39.015	N	27.899	E	10	G				0.7	7	TURKEY. ML 3.0 (ISK).
24	20	31	16.7	53.060	N	35.310	W	10	G	4.8	4.6		1.1	82	NORTH ATLANTIC OCEAN
24	20	36	40.4	38.283	N	140.681	E	140		4.6			1.0	32	EASTERN HONSHU, JAPAN
24	20	57	22.7*	34.913	N	25.769	E	10	G				0.9	5	CRETE. MD 3.9 (ATH).
24	21	08	31.4?	44.33	N	16.45	E	10	G				1.4	5	NORTHWESTERN BALKAN REGION
24	21	08	47.2	34.245	N	91.814	E	33	N	5.5			1.2	26	QINGHAI, CHINA
24	21	25	01.1*	7.578	S	146.594	E	10	G	4.2			0.1	5	EASTERN NEW GUINEA REG., P.N.G. ML 4.3 (PMG).
24	21	38	29.5&	39.084	N	27.870	E	5	G				0.5	13	TURKEY. ML 3.4 (ISK).
a 24	22	05	58.1	35.483	S	104.892	W	10	G	4.8	4.7		1.1	50	SOUTHERN PACIFIC OCEAN. Mw 5.5 (HRV).
24	22	11	33.9	58.299	N	142.764	W	10	G				0.7	35	GULF OF ALASKA. ML 2.8 (AEIC).
24	23	21	34.1*	36.377	N	31.673	E	90	*				1.0	25	TURKEY
25	00	02	42.9&	16.152	N	61.396	W	10	G				0.6	5	LEEWARD ISLANDS. ML 2.1 (FDF).
25	00	29	56.3?	4.56	S	152.59	E	117	?	4.5			0.8	7	NEW BRITAIN REGION, P.N.G.
25	01	11	06.5&	43.222	N	18.670	E	10	G				0.4	8	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
a 25	01	24	46.5	42.771	N	145.049	E	72		5.4			0.9	286	HOKKAIDO, JAPAN REGION. Mw 5.2 (HRV). mb 5.2 (BRK). Felt (IV JMA) at Kushiro; (II JMA) at Hiroo and Nemuro. Also felt in northern Honshu.
25	01	35	10.1?	15.27	S	175.31	W	308	?	4.3			1.4	20	TONGA ISLANDS
25	01	38	01.4?	41.89	N	19.99	E	10	G				0.8	8	ALBANIA. ML 2.0 (TTG).
25	01	54	41.7&	37.114	N	2.411	W	10	G				0.9	7	SPAIN. mbLg 2.4 (MDD).
25	02	25	00.8*	40.085	N	15.200	E	10	G				0.5	15	SOUTHERN ITALY. ML 3.3 (TTG).
25	02	25	17.2&	37.113	N	2.550	W	10	G				0.8	12	SPAIN. mbLg 2.9 (MDD).
25	02	39	00.0&	36.996	N	2.583	W	10	G				0.4	7	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
25	02	56	25.1&	59.985	N	152.593	W	82		4.3				125	SOUTHERN ALASKA. <AEIC>.
25	03	15	22.3	44.557	N	17.596	E	10	G				0.9	49	NORTHWESTERN BALKAN REGION. ML 3.9 (VIE), 3.8 (ROM), 3.6 (TTG).
25	03	55	27.9&	39.092	N	27.831	E	5	G				0.5	12	TURKEY. ML 3.4 (ISK).
25	04	01	23.2&	39.049	N	27.783	E	10	G				0.8	5	TURKEY. ML 2.9 (ISK).
25	04	25	46.8	38.763	N	122.575	W	5	G				0.9	17	NORTHERN CALIFORNIA. ML 2.9 (GS).
25	04	41	13.0?	23.11	S	177.19	W	257	?	4.2			0.6	8	SOUTH OF FIJI ISLANDS
25	05	15	50.2	38.518	N	1.268	W	10	G				1.0	32	SPAIN. mbLg 3.5 (MDD). Felt (III) in the Jumilla area.
25	05	40	12.0&	61.707	N	146.492	W	41						71	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PMR).
25	06	32	04.5?	37.87	N	31.35	E	10	G				0.3	4	TURKEY. ML 3.4 (ISK).
25	06	44	51.4*	36.278	N	68.557	E	33	N	4.5			0.8	9	HINDU KUSH REGION, AFGHANISTAN
25	07	54	18.3&	61.223	N	151.479	W	79						46	SOUTHERN ALASKA. <AEIC>.
25	08	13	11.8&	60.151	N	152.574	W	95						51	SOUTHERN ALASKA. <AEIC>.
25	08	56	06.7&	60.688	N	153.450	W	194						36	SOUTHERN ALASKA. <AEIC>.
25	09	03	10.7&	43.211	N	18.689	E	10	G				0.3	6	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
25	09	12	24.4?	40.75	N	29.27	E	10	G				0.2	4	TURKEY. ML 2.7 (ISK).
25	10	00	20.0&	38.781	N	26.467	E	10	G				0.7	6	AEGEAN SEA. ML 3.2 (ISK).
25	10	24	31.4?	42.21	N	143.71	E	106	?	4.2			1.2	14	HOKKAIDO, JAPAN REGION
25	11	02	52.9&	26.380	S	27.478	E	5	G				1.4	5	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
25	11	08	06.2&	36.739	N	3.809	W	10	G				0.3	5	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
25	11	11	49.3&	37.261	N	2.904	W	10	G				0.6	5	SPAIN. mbLg 2.4 (MDD).
25	11	38	17.5?	37.08	S	176.73	E	483	?	4.7			1.1	17	NORTH ISLAND, NEW ZEALAND
25	11	57	38.5?	37.05	N	3.81	W	10	G				0.1	4	SPAIN
25	13	22	37.3?	3.89	N	127.99	E	33	N	4.6			0.5	5	TALAUD ISLANDS, INDONESIA
25	16	10	39.0*	51.447	N	15.878	E	10	G				0.8	6	POLAND. ML 2.6 (CLL).
25	16	19	53.2*	6.551	N	73.147	W	169	*	4.6			1.2	21	NORTHERN COLOMBIA
25	16	47	21.3*	33.154	N	88.125	E	33	N	5.2			0.8	12	XIZANG
25	17	08	27.6&	40.115	N	27.431	E	10	G				0.6	6	TURKEY. ML 2.8 (ISK).
25	17	39	01.7&	44.087	N	6.874	E	5	G				0.3	8	FRANCE. ML 2.1 (GEN).
25	18	02	26.1?	10.83	N	126.42	E	33	N				0.3	4	PHILIPPINE ISLANDS REGION
25	19	16	51.9*	14.018	N	144.315	E	190		4.3			0.6	10	MARIANA ISLANDS
25	19	30	40.0?	4.80	S	145.92	E	150	*	4.3			1.3	7	NEAR N COAST OF NEW GUINEA, PNG.
25	20	59	12.1?	44.99	N	7.18	E	10	G				0.4	4	NORTHERN ITALY. ML 2.0 (GEN).
25	21	20	03.8	3.681	N	126.731	E	65	*	5.3			1.0	55	TALAUD ISLANDS, INDONESIA
25	21	28	27.1&	40.404	N	28.841	E	10	G				0.7	5	TURKEY. ML 2.6 (ISK).
25	21	54	26.9?	37.03	N	3.77	W	10	G				0.5	4	SPAIN. mbLg 2.5 (MDD).

25	22	30	01.2*	33.754	S	70.168	W	123	*	0.4	12	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).	
25	22	46	58.5?	32.97	S	70.85	W	70	G	0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).	
25	22	48	23.2?	18.47	N	67.12	W	33	N	0.7	5	MONA PASSAGE	
25	22	48	40.4%	16.250	N	61.111	W	33	N	0.1	5	LEEWARD ISLANDS. ML 1.5 (FDF).	
25	23	14	44.4?	10.27	N	126.19	E	59	?	0.7	8	PHILIPPINE ISLANDS REGION	
25	23	46	36.1*	30.526	N	138.629	E	410	*	0.5	12	SOUTH OF HONSHU, JAPAN	
a	26	00	13	25.9	28.131	N	43.913	W	10	G	4.9	5.0	82 NORTHERN MID-ATLANTIC RIDGE. Mw 5.3 (HRV).
26	00	23	08.8*	28.567	N	43.950	W	10	G	4.6	1.3	15 NORTHERN MID-ATLANTIC RIDGE	
26	00	32	14.8?	42.15	N	2.44	W	10	G	0.4	4	SPAIN. mbLg 2.4 (MDD).	
26	01	00	32.8?	7.05	S	154.20	E	187	?	4.6	1.3	9 SOLOMON ISLANDS	
26	01	50	37.6*	12.863	N	88.975	W	69		4.3	0.8	31 OFF COAST OF CENTRAL AMERICA. Felt (II) at San Salvador, El Salvador.	
26	02	22	48.6	40.443	N	19.922	E	10	G	0.7	14	ALBANIA. ML 3.2 (TTG). MD 3.3 (ATH).	
26	02	32	08.3%	26.422	S	27.340	E	5	G	1.4	5	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).	
26	02	33	12.0	28.275	N	43.917	W	10	G	4.8	0.6	37 NORTHERN MID-ATLANTIC RIDGE	
26	03	14	30.0*	53.080	N	35.084	W	10	G	4.0	0.8	13 NORTH ATLANTIC OCEAN	
26	03	38	14.5?	33.12	N	56.05	E	33	N	4.4	1.1	5 NORTHERN IRAN	
26	03	43	27.2%	39.267	N	29.201	E	5	G		0.5	5 TURKEY. ML 2.8 (ISK).	
26	03	52	41.0*	12.901	N	120.475	E	10	G	4.3	1.4	5 MINDORO, PHILIPPINE ISLANDS	
26	03	56	43.6*	5.612	S	145.724	E	9		3.8	0.5	8 EASTERN NEW GUINEA REG., P.N.G.	
26	04	44	30.0	23.335	S	66.322	W	214		4.9	0.9	102 JUJUY PROVINCE, ARGENTINA	
26	06	17	53.6	56.577	N	149.530	W	10	G		0.7	46 GULF OF ALASKA. ML 3.2 (AEIC).	
26	06	20	03.0?	39.84	N	29.42	E	5	G		0.2	4 TURKEY. ML 2.6 (ISK).	
26	06	34	27.1?	13.87	N	92.93	W	56	?	4.5	1.9	10 OFF COAST OF CHIAPAS, MEXICO	
26	07	27	56.8?	36.82	N	2.97	W	10	G		0.1	4 STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).	
26	08	04	53.5?	36.51	N	4.71	W	10	G		0.3	4 STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).	
26	08	48	56.4?	39.79	N	29.35	E	10	G		0.8	6 TURKEY. ML 2.7 (ISK).	
26	09	12	45.2?	37.27	N	3.72	W	10	G		0.8	4 SPAIN	
26	09	22	23.5%	35.036	N	117.000	W	5			30	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.7 (GS).	
26	11	01	01.4%	69.003	N	29.903	E	10	G		1.4	5 NORWAY-RUSSIA BORDER REGION. MD 2.8 (BER).	
26	13	29	13.2?	31.46	S	71.29	W	90	G		0.3	10 NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).	
26	13	38	31.3%	38.422	N	0.244	W	10	G		0.6	16 SPAIN. mbLg 3.1 (MDD). Felt (III) in the Villajoyosa area.	
26	13	54	05.1*	3.636	N	125.704	E	33	N	4.8	0.6	11 TALAUD ISLANDS, INDONESIA	
26	14	29	58.3%	36.355	N	4.610	W	33	N		0.9	9 STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).	
26	14	31	50.4%	26.904	S	26.736	E	5	G		1.1	10 REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).	
26	14	45	31.9%	38.401	N	1.220	W	10	G		1.0	5 SPAIN. mbLg 2.7 (MDD).	
26	15	48	14.5%	26.409	S	27.457	E	5	G		0.9	8 REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).	
26	17	30	13.2?	45.63	N	13.88	E	5	G		0.6	4 NORTHERN ITALY	
26	17	40	32.7	18.658	N	145.568	E	168	*	4.5	0.9	34 MARIANA ISLANDS	
26	17	42	34.0%	34.907	N	116.920	W	1			22	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 2.9 (GS). Felt in the Daggett-Yermo area.	
26	17	54	35.8?	36.47	N	11.85	W	10	G		0.7	20 NORTH ATLANTIC OCEAN. mbLg 3.2 (MDD).	
26	20	05	08.6%	45.118	N	7.352	E	10	G		1.3	11 NORTHERN ITALY. ML 2.5 (GEN).	
26	20	43	07.4%	33.166	S	70.290	W	10	G		0.2	7 CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).	
26	21	36	35.2%	61.735	N	150.553	W	55			39	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PMR).	
26	21	53	49.5*	38.698	N	23.264	E	5	G		1.4	7 GREECE. MD 3.2 (ATH).	
26	22	33	31.2?	67.82	N	20.22	E	10	G		0.7	4 SWEDEN. MD 2.6 (BER).	
26	22	35	25.6*	6.068	S	125.744	E	536	?	4.9	0.8	14 BANDA SEA	
26	23	27	19.0%	33.800	N	116.966	W	12				8 SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).	
26	23	41	36.3?	36.60	S	72.62	W	33	N		0.5	11 NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).	
27	00	28	30.9%	34.215	N	118.642	W	4				27 SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).	
27	01	09	50.5	43.405	N	16.968	E	10	G	3.7	0.9	17 NORTHWESTERN BALKAN REGION. ML 3.1 (TTG).	
27	02	10	55.0*	54.560	N	168.425	E	33	N	4.4	1.0	9 KOMANDORSKY ISLANDS REGION	
27	02	14	40.2	39.712	N	29.047	E	10	G		0.7	15 TURKEY. ML 3.0 (ISK).	
27	02	16	37.4%	26.901	S	26.740	E	5	G		1.0	7 REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).	
27	02	57	58.1*	43.601	N	148.747	E	33	N	4.3	1.0	11 EAST OF KURIL ISLANDS	
27	03	01	19.4	20.417	S	168.412	E	39	D	5.3	0.9	74 LOYALTY ISLANDS. Ms 4.5 (BRK).	
27	03	20	57.0	43.972	N	19.705	E	10	G	3.0	0.8	13 NORTHWESTERN BALKAN REGION. ML 3.1 (TTG).	
27	03	51	13.9%	34.103	S	70.328	W	10	G		0.3	7 CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).	
27	04	12	20.7%	34.217	N	118.634	W	4			35	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.3 (GS).	
27	04	21	58.9%	63.268	N	151.057	W	6			45	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).	
27	04	28	56.5%	32.748	N	115.432	W	17			4	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.7 (PAS), 3.2 (GS). MD 3.0 (ECX).	
27	05	41	00.6	17.426	N	94.856	W	106	*	4.3	0.9	38 CHIAPAS, MEXICO	
27	05	49	59.9%	59.987	N	153.382	W	133				49 SOUTHERN ALASKA. <AEIC>.	
27	06	21	45.8*	44.542	N	149.452	E	44	*	4.6	1.3	34 KURIL ISLANDS	
27	07	41	42.7	38.463	N	98.611	E	33	N	4.9	1.6	27 QINGHAI, CHINA	
27	08	24	34.6%	44.443	N	6.998	E	12	*		0.3	7 FRANCE. ML 1.9 (GEN).	
27	08	51	09.1	41.800	N	20.081	E	10	G		0.5	9 ALBANIA. ML 2.2 (TTG).	
27	09	02	21.3%	39.084	N	27.679	E	10	G		0.1	5 TURKEY. ML 2.8 (ISK).	
27	09	03	53.0%	39.123	N	27.665	E	10	G		0.9	5 TURKEY. ML 2.8 (ISK).	
27	09	27	49.9?	35.72	S	71.09	W	110	G		0.7	11 CENTRAL CHILE. MD 4.3 (SAN).	
27	09	30	01.4*	26.925	S	176.489	W	207	?	4.2	0.9	15 SOUTH OF FIJI ISLANDS	
27	09	31	44.7%	35.324	N	3.981	W	33	N		0.8	13 STRAIT OF GIBRALTAR. mbLg 3.4 (MDD).	
27	11	03	46.4%	34.213	N	118.643	W	4				37 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.2 (GS).	
27	12	24	51.5%	39.115	N	27.676	E	10	G		0.5	5 TURKEY. ML 2.8 (ISK).	
27	14	01	20.2%	41.122	N	28.461	E	5	G		0.4	7 TURKEY. ML 2.7 (ISK).	
27	14	04	51.7?	31.86	S	70.99	W	90	G		0.2	8 CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).	
27	14	39	47.0%	39.108	N	27.334	E	10	G		0.6	5 TURKEY. ML 2.9 (ISK).	
27	14	56	28.9?	51.03	N	155.87	E	120	?	3.7	0.8	12 NORTHWEST OF KURIL ISLANDS	
27	15	57	24.2%	26.378	S	27.598	E	5	G		0.9	7 REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).	
a	27	16	03	56.3	6.802	N	126.729	E	100		5.4	1.0	135 MINDANAO, PHILIPPINE ISLANDS. Mw 5.5 (HRV).
27	18	51	36.4	46.424	N	7.445	E	10	G		0.6	12 SWITZERLAND	
27	19	13	36.0*	51.058	N	15.726	E	10	G		1.3	5 POLAND	
27	19	24	40.3	46.612	N	10.439	E	10	G		0.7	7 NORTHERN ITALY. ML 1.7 (VIE).	
27	20	23	50.5%	26.354	S	27.322	E	5	G		1.1	7 REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).	
27	20	29	17.9%	59.746	N	153.262	W	128				32 SOUTHERN ALASKA. <AEIC>.	
27	23	03	59.1	17.089	N	94.523	W	123	D	4.7	1.3	88 CHIAPAS, MEXICO	
27	23	41	38.3*	35.169	N	3.663	W	10	G		1.2	15 STRAIT OF GIBRALTAR. mbLg 3.5 (MDD).	
28	01	21	19.6%	36.810	N	121.198	W	5				11 CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM). ML 2.7 (GS).	
28	01	22	36.6%	36.810	N	121.203	W	8			100	CENTRAL CALIFORNIA. <GM-P>. MD 3.9 (GM). ML 4.0 (BRK), 3.8 (GS). Felt (IV) at Hollister.	

28	01	37	00.1	47.275	N	10.057	E	10	G	0.6	6	AUSTRIA. ML 2.6 (VIE), 2.5 (GRF).	
28	02	36	51.4?	33.12	S	71.98	W	10	G	0.2	8	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).	
28	02	44	17.5	44.904	N	7.812	E	26		0.6	26	NORTHERN ITALY. ML 3.0 (GEN).	
28	03	50	51.8?	44.23	N	128.95	W	10	G	0.4	33	OFF COAST OF OREGON	
28	04	08	09.5*	36.065	N	4.249	E	10	G	0.8	21	NORTHERN ALGERIA. mbLg 4.0 (MDD).	
28	04	31	18.0%	41.979	N	19.219	E	10	G	0.5	9	ALBANIA. ML 1.9 (TTG).	
28	06	04	45.6	46.918	N	8.741	E	8	4.5	1.1	71	SWITZERLAND. ML 4.2 (VIE), 4.1 (GRF), 3.8 (FUR).	
28	06	06	26.2?	12.97	S	76.38	W	33	N	0.7	4	NEAR COAST OF PERU	
28	06	24	12.6	7.256	S	129.239	E	147	5.5	1.1	44	BANDA SEA	
28	06	27	55.7	35.580	N	0.129	W	10	G	1.0	32	NORTHERN ALGERIA. mbLg 3.7 (MDD).	
28	07	28	34.4?	16.65	N	99.61	W	10	G	1.4	8	NEAR COAST OF GUERRERO, MEXICO	
28	07	39	18.7	44.619	N	149.538	E	44	D	4.9 4.4	0.9	84	KURIL ISLANDS
a 28	07	42	03.6	20.273	S	173.600	W	33	N	5.6 5.0	1.0	196	TONGA ISLANDS. Mw 5.4 (HRV). Ms 5.3 (BRK). Mo=3.7*10**17 Nm (PPT).
28	07	46	31.4&	39.350	N	120.502	W	21			49	NORTHERN CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.4 (GS), 3.3 (BRK).	
28	07	58	29.5%	42.585	N	20.043	E	10	G	0.3	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).	
28	10	10	57.1	40.586	N	142.640	E	56	4.6	0.8	30	NEAR EAST COAST OF HONSHU, JAPAN	
28	10	48	19.4%	33.530	S	70.417	W	10	G	0.8	5	CHILE-ARGENTINA BORDER REGION	
28	11	28	24.9%	39.381	N	26.229	E	10	G	0.5	8	TURKEY. ML 3.2 (ISK).	
28	12	09	29.2	8.758	N	39.357	W	10	G	4.7	1.0	44	CENTRAL MID-ATLANTIC RIDGE
28	12	20	44.2&	34.791	N	116.296	W	5			53	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS), 3.5 (GS).	
28	12	35	50.9*	8.605	N	39.799	W	10	G	4.6	0.9	15	CENTRAL MID-ATLANTIC RIDGE
28	12	37	52.4*	8.608	N	39.407	W	10	G	4.8	1.3	20	CENTRAL MID-ATLANTIC RIDGE
28	12	53	28.8	8.660	N	39.471	W	10	G	4.9	1.0	60	CENTRAL MID-ATLANTIC RIDGE
28	12	56	10.5	8.600	N	39.434	W	10	G	4.9	1.1	26	CENTRAL MID-ATLANTIC RIDGE
28	13	03	34.7	43.283	N	8.126	E	33	N		0.5	12	CORSICA. ML 2.5 (GEN).
28	13	04	40.6*	46.848	N	10.233	E	10	G		0.5	6	NORTHERN ITALY. ML 1.8 (VIE).
28	13	43	11.9	36.934	N	7.570	W	10	G		1.2	24	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
28	13	51	22.1	28.084	N	129.630	E	33	N	4.9 4.1	0.9	40	RYUKYU ISLANDS
28	14	01	30.6	47.510	N	14.942	E	10	G		1.0	10	AUSTRIA. ML 3.1 (GRF), 2.8 (VIE). Felt (IV) at Trofaiach.
28	15	02	15.2?	17.22	N	95.63	W	70	G	4.0	0.7	9	OAXACA, MEXICO
a 28	15	02	19.0	17.012	N	95.844	W	68	D	5.5	1.0	282	OAXACA, MEXICO. Mw 5.6 (HRV).
28	15	33	56.5*	8.747	N	39.237	W	10	G	4.7	0.5	14	CENTRAL MID-ATLANTIC RIDGE
a 28	15	41	29.2	5.659	N	126.234	E	69		5.6	1.1	155	MINDANAO, PHILIPPINE ISLANDS. Mw 5.6 (HRV).
a 28	18	37	20.6	44.783	N	150.061	E	19	G	6.1 6.6	1.2	502	EAST OF KURIL ISLANDS. Mw 6.6 (GS), 6.6 (HRV). Ms 6.3 (BRK). Mo=3.4*10**19 Nm (OBN), 1.2*10**19 Nm (PPT). Felt (IV) at Reydovoye. Two events about 2.6 seconds apart. Depth from broadband displacement seismograms, based on second event.
28	18	39	47.3*	35.761	N	0.274	W	10	G	3.0	0.9	19	NORTHERN ALGERIA. mbLg 3.4 (MDD).
28	19	05	24.8?	45.98	N	145.76	E	33	N	4.4	0.3	6	HOKKAIDO, JAPAN REGION
28	19	34	44.5?	44.33	N	7.07	E	38	*		1.1	7	NORTHERN ITALY. ML 1.9 (GEN).
28	19	42	13.9	5.613	N	126.440	E	61	*	4.8	0.8	23	MINDANAO, PHILIPPINE ISLANDS
28	20	03	19.0*	33.949	S	178.891	W	33	N	5.1	1.2	15	SOUTH OF KERMADec ISLANDS
28	20	08	33.8*	44.810	N	150.062	E	33	N	4.7	0.9	25	EAST OF KURIL ISLANDS
28	20	14	30.4*	44.654	N	150.176	E	33	N	4.5	1.1	14	EAST OF KURIL ISLANDS
28	20	51	54.9	44.228	N	150.818	E	33	N	5.4 4.8	1.2	222	EAST OF KURIL ISLANDS
28	21	06	25.2?	12.67	N	60.12	W	33	N		0.1	4	WINDWARD ISLANDS. MD 3.5 (TRN).
28	21	40	48.0*	45.137	N	149.833	E	33	N	4.8	1.0	27	KURIL ISLANDS
28	21	42	32.6?	23.82	S	179.05	W	530	G	4.2	0.6	10	SOUTH OF FIJI ISLANDS
28	22	20	55.6?	6.93	S	130.49	E	61	?	4.6	1.3	8	BANDA SEA
29	00	07	00.7	44.822	N	150.275	E	45	D	4.9	1.1	136	EAST OF KURIL ISLANDS
29	00	15	48.9*	5.975	S	130.456	E	33	N	4.6	1.3	10	BANDA SEA
29	00	23	12.9	44.592	N	150.251	E	46	D	4.9	0.9	107	EAST OF KURIL ISLANDS
29	00	40	24.4?	44.00	N	150.62	E	33	N	4.5	1.6	12	EAST OF KURIL ISLANDS
29	00	40	36.4	20.820	S	178.449	W	568	*	5.2	0.9	52	FIJI ISLANDS REGION
29	01	00	29.3&	40.638	N	123.654	W	29			4	NORTHERN CALIFORNIA. <GM-P>. MD 2.7 (GM).	
29	01	02	24.9*	44.872	N	150.520	E	33	N	4.8	1.0	27	EAST OF KURIL ISLANDS
a 29	01	45	07.5	44.582	N	150.324	E	50	D	5.5 5.5	1.0	297	EAST OF KURIL ISLANDS. Mw 5.4 (HRV).
29	02	01	37.2?	36.42	N	2.82	W	10	G		0.6	4	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
29	02	04	56.2	46.829	N	8.801	E	10	G		0.5	12	SWITZERLAND. ML 2.5 (VIE), 2.1 (STR).
29	02	24	46.4	44.518	N	150.296	E	47	D	4.8	1.1	94	EAST OF KURIL ISLANDS
29	02	46	42.2*	46.790	N	150.840	E	33	N	4.8	0.6	15	KURIL ISLANDS
29	02	52	19.7?	43.92	N	150.93	E	33	N	4.6	1.1	21	EAST OF KURIL ISLANDS
29	03	25	18.0&	61.861	N	151.068	W	70			73	SOUTHERN ALASKA. <AEIC>.	
29	03	30	15.5	41.147	N	7.843	W	10	G		0.6	6	PORTUGAL. mbLg 3.1 (MDD).
29	03	53	41.3	2.401	N	127.201	E	88	*	5.0	0.8	35	NORTHERN MOLUCCA SEA
29	05	09	24.7&	38.819	N	122.821	W	2			45	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.4 (GS), 3.2 (BRK).	
29	05	47	36.3	6.045	S	130.441	E	193	*	5.2	0.7	33	BANDA SEA
29	06	30	13.5?	39.75	N	29.41	E	5	G		0.7	4	TURKEY. ML 2.6 (ISK).
29	07	33	35.0%	39.128	N	27.706	E	5	G		0.5	5	TURKEY. ML 2.8 (ISK).
29	07	43	57.7*	2.825	N	75.954	W	42	*	4.4	1.1	25	COLOMBIA
29	07	54	59.4%	39.237	N	27.756	E	10	G		0.7	5	TURKEY. ML 2.7 (ISK).
a 29	08	31	44.4	22.646	S	175.098	W	33	N	5.4 5.0	0.9	138	TONGA ISLANDS REGION. Mw 5.4 (HRV). Ms 5.2 (BRK).
29	09	16	38.6%	17.298	N	94.472	W	33	N		1.1	7	CHIAPAS, MEXICO
29	09	24	55.2*	22.657	S	175.064	W	33	N	4.5 5.1	1.0	21	TONGA ISLANDS REGION
a 29	09	31	09.2	22.652	S	175.082	W	33	N	5.3 5.1	0.9	155	TONGA ISLANDS REGION. Mw 5.4 (HRV).
29	09	57	57.6&	61.765	N	149.544	W	31			47	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).	
29	10	13	42.9?	44.93	N	7.00	E	33	N		0.5	4	NORTHERN ITALY. ML 1.8 (GEN).
29	10	51	07.8	22.599	S	175.163	W	33	N	5.0 4.9	0.9	74	TONGA ISLANDS REGION
29	11	22	16.6&	60.125	N	152.767	W	106			48	SOUTHERN ALASKA. <AEIC>.	
29	11	47	56.0?	37.24	N	2.85	W	10	G		0.4	4	SPAIN
29	11	50	31.3%	39.165	N	28.023	E	10	G		0.5	6	TURKEY. ML 2.8 (ISK).
29	11	55	19.9%	44.466	N	9.588	E	16	*		0.3	8	NORTHERN ITALY. ML 2.4 (GEN).
29	11	59	52.9%	26.410	S	27.429	E	5	G		0.5	5	REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).
29	12	27	13.6?	5.06	N	127.79	E	83	?	4.2	0.5	7	PHILIPPINE ISLANDS REGION
29	12	52	36.4*	44.637	N	150.102	E	33	N	4.2	1.1	10	EAST OF KURIL ISLANDS
29	13	12	51.9?	53.13	N	158.29	E	33	N	4.5	1.5	14	NEAR EAST COAST OF KAMCHATKA
29	13	16	52.6%	42.307	N	18.911	E	10	G		0.5	5	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
29	13	20	32.7&	61.671	N	149.874	W	44			45	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).	

29	13	33	49.2%	44.368	N	7.372	E	10	G	0.7	6	NORTHERN ITALY. ML 2.0 (GEN).
29	14	04	18.0%	39.650	N	29.415	E	10	G	0.8	5	TURKEY. ML 2.7 (ISK).
29	14	06	40.5%	35.66	N	0.49	W	10	G	0.4	7	NORTHERN ALGERIA. mbLg 3.2 (MDD).
29	14	16	05.0%	21.22	S	179.26	E	675	?	4.4	1.6	15 SOUTH OF FIJI ISLANDS
29	14	25	37.7%	58.42	S	26.04	W	33	N	4.7	0.6	6 SOUTH SANDWICH ISLANDS REGION
29	16	42	46.9%	22.86	S	173.61	W	33	N	4.6	1.3	7 TONGA ISLANDS REGION
29	16	55	03.8	36.480	N	140.770	E	56		4.9	1.1	50 NEAR EAST COAST OF HONSHU, JAPAN
29	17	31	40.1%	32.75	S	71.81	W	33	N		0.7	10 NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
a 29	17	36	20.8	0.404	S	19.172	W	10	G	5.5	5.3	1.0 342 CENTRAL MID-ATLANTIC RIDGE. Mw 5.8 (HRV).
29	17	37	07.5%	32.80	S	71.82	W	33	N		1.1	11 NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN). Felt at Quillota, San Felipe, Valparaiso and Vina del Mar.
29	17	42	49.0%	59.379	N	6.048	E	10	G	0.3	5	SOUTHERN NORWAY. MD 1.5 (BER).
29	17	55	34.2%	32.795	S	71.757	W	33	N	0.8	10	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN). Felt at Quillota, San Felipe, Valparaiso and Vina del Mar.
29	18	52	05.6%	32.86	S	71.66	W	33	N	1.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
29	20	04	53.7%	60.869	N	146.017	W	27			49	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
29	20	59	56.0%	7.338	N	127.004	E	33	N	4.1	1.3	7 PHILIPPINE ISLANDS REGION
29	22	21	50.3%	32.804	S	71.681	W	33	N		1.3	13 NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
29	22	55	28.9	44.572	N	150.359	E	46	D	5.2	4.6	1.0 198 EAST OF KURIL ISLANDS
30	00	31	09.9%	10.602	N	60.897	W	33	N		0.7	6 TRINIDAD. MD 3.3 (TRN).
30	00	47	35.5%	36.43	N	23.34	E	5	G		0.5	4 SOUTHERN GREECE. ML 3.1 (ATH).
30	01	02	06.2%	44.65	N	150.44	E	33	N	3.8	1.3	6 EAST OF KURIL ISLANDS
30	02	25	58.1%	34.65	S	71.11	W	80	G		0.1	7 NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
30	03	20	21.5%	35.544	N	3.843	W	10	G		0.4	5 STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
30	03	21	33.7%	35.13	N	4.28	W	10	G		0.8	4 STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
30	04	09	40.1%	63.124	N	149.332	W	86				71 CENTRAL ALASKA. <AEIC>.
30	04	38	11.6%	4.436	N	125.779	E	109	*	5.3	0.9	13 TALAUD ISLANDS, INDONESIA
30	05	17	07.5%	38.76	N	26.44	E	10	G		0.7	5 AEGEAN SEA. ML 3.2 (ISK).
30	05	56	03.9%	61.533	N	149.850	W	44				91 SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.5 (PMR). Felt (III) at Willow; (II) at Anchorage, Eagle River, Hatcher Pass, Houston and Palmer.
a 30	06	13	35.8	44.737	N	150.117	E	51	G	6.2	5.6	0.8 528 EAST OF KURIL ISLANDS. Mw 5.7 (GS), 5.7 (HRV). Depth from broadband displacement seismograms.
30	07	08	51.5	9.144	N	126.251	E	69		5.3	1.0	99 MINDANAO, PHILIPPINE ISLANDS
30	07	20	36.1	48.253	N	7.736	E	10	G		0.4	8 FRANCE. ML 1.6 (STR).
30	07	26	21.5%	34.904	N	23.198	E	10	G	3.9	1.3	17 CRETE. ML 3.8 (ATH).
30	08	02	39.5	44.485	N	7.226	E	13			0.5	11 NORTHERN ITALY. ML 2.4 (GEN).
30	08	32	19.4%	26.836	S	26.819	E	5	G		0.8	6 REPUBLIC OF SOUTH AFRICA. ML 2.0 (PRE).
30	08	53	08.5%	43.94	N	150.27	E	33	N	4.2	1.3	9 EAST OF KURIL ISLANDS
30	09	44	02.8%	59.146	N	151.319	W	56				88 KENAI PENINSULA, ALASKA. <AEIC>. ML 3.5 (AEIC), 3.8 (PMR).
30	10	05	26.6%	34.40	S	70.67	W	100	G		0.2	6 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
a 30	10	14	30.3	15.248	S	173.340	W	33	N	5.4	5.3	0.9 141 TONGA ISLANDS. Mw 5.7 (HRV). Ms 5.2 (BRK). Mo=4.7*10**17 Nm (PPT).
30	12	00	51.1	30.260	S	71.281	W	33	N	4.7	1.0	30 NEAR COAST OF CENTRAL CHILE. Felt (III) at Coquimbo and La Higuera; (II) at Andacollo and La Serena.
30	12	05	04.4%	15.216	N	61.297	W	171	?		0.2	12 LEEWARD ISLANDS
30	13	37	56.9%	44.467	N	7.275	E	10	G		0.4	8 NORTHERN ITALY. ML 2.1 (GEN).
30	13	38	20.7%	39.66	N	29.38	E	10	G		0.7	4 TURKEY. ML 2.8 (ISK).
30	13	38	51.2%	17.40	N	61.17	W	10	G		1.1	7 LEEWARD ISLANDS. ML 3.6 (FDF).
30	15	37	22.5%	59.114	N	5.771	E	10	G		0.5	10 SOUTHERN NORWAY. MD 2.7 (BER).
30	15	43	22.8%	58.989	N	5.807	E	10	G		0.2	8 SOUTHERN NORWAY. MD 2.2 (BER).
30	15	58	04.5	44.681	N	150.106	E	51	D	5.0	1.0	104 EAST OF KURIL ISLANDS
30	15	59	57.7%	34.150	N	116.428	W	6				28 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 2.8 (GS).
30	16	03	15.9%	33.162	S	69.520	W	10	G		1.1	10 CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
30	16	05	44.9%	44.675	N	150.117	E	33	N	4.5	0.8	12 EAST OF KURIL ISLANDS
30	16	14	23.6%	43.151	N	0.612	W	5	G		0.2	6 PYRENEES. ML 1.0 (STR).
30	16	28	09.0%	36.72	N	70.64	E	33	N	4.3	1.4	6 HINDU KUSH REGION, AFGHANISTAN
30	16	52	18.8%	42.878	N	18.776	E	10	G		0.8	7 NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
30	17	20	41.3%	38.926	N	26.969	E	10	G		0.4	9 AEGEAN SEA. ML 3.2 (ISK).
30	18	26	37.9%	17.83	S	179.45	W	682	?	4.9	0.6	11 FIJI ISLANDS REGION
30	19	09	18.5%	32.91	S	70.24	W	10	G		0.2	7 CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
30	19	18	38.3	42.776	N	18.756	E	10	G		0.3	9 NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
30	19	25	17.4%	3.628	S	149.834	E	33	N	4.6	1.5	11 BISMARCK SEA
a 30	19	42	46.5	6.965	S	124.111	E	596	G	5.9	1.0	369 BANDA SEA. Mw 6.2 (GS), 6.2 (HRV). Depth from broadband displacement seismograms.
30	20	38	05.6%	38.42	N	26.06	E	10	G		0.3	5 AEGEAN SEA. ML 3.2 (ISK).
30	21	21	05.9%	22.518	S	174.834	W	33	N	5.1	0.9	61 TONGA ISLANDS REGION
30	22	06	35.0%	32.197	N	116.343	W	13				25 CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 3.1 (ECX). ML 2.7 (PAS).
30	22	32	11.3	44.639	N	150.026	E	55	D	5.0	1.0	117 EAST OF KURIL ISLANDS
30	22	46	33.3%	37.318	N	121.684	W	8				10 CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM).
30	23	21	43.6	7.010	S	144.684	E	33	N	3.4	1.3	8 NEAR S COAST OF NEW GUINEA, PNG.
31	00	54	00.6%	51.21	N	179.46	W	33	N	4.2	0.7	5 ANDREANOF ISLANDS, ALEUTIAN IS.
31	01	51	09.0%	30.684	N	115.126	W	6				4 BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.2 (ECX).
31	02	28	35.7%	40.668	N	29.872	E	10	G		0.3	5 TURKEY. ML 2.5 (ISK).
31	02	47	30.4%	45.482	N	3.762	E	10	G		0.4	5 FRANCE. ML 1.7 (LDG).
31	02	57	41.7%	0.250	N	128.541	E	33	N	4.8	1.2	10 HALMAHERA, INDONESIA
31	03	45	00.9%	60.131	N	6.946	E	10	G		0.1	5 SOUTHERN NORWAY. MD 1.7 (BER).
31	04	14	03.9	32.464	N	93.549	E	33	N	4.7	0.8	30 XIZANG
31	04	19	13.9	49.484	N	94.213	E	33	N	5.0	4.1	0.9 129 RUSSIA-MONGOLIA BORDER REGION
31	05	17	43.0	3.765	N	95.579	E	33	N	4.8	1.0	27 OFF W COAST OF NORTHERN SUMATERA
31	05	27	27.7	5.534	S	145.899	E	19	*	5.0	1.1	40 EASTERN NEW GUINEA REG., P.N.G.
31	06	16	57.0%	40.657	N	27.434	E	10	G		0.4	5 TURKEY. ML 2.8 (ISK).
31	07	55	19.8%	33.743	S	70.186	W	100	G		0.4	10 CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
a 31	09	07	25.9	43.719	N	146.013	E	76	G	6.0	0.9	582 KURIL ISLANDS. Mw 6.2 (GS), 6.2 (HRV). Mo=1.6*10**18 Nm (PPT). Felt (V) at Yuzhno-Kurilsk. Felt (V JMA) at Kushiro and (IV JMA) at Nemuro, Hokkaido. Also felt (III JMA) at Hachinohe, Honshu. Felt (IV) at Misawa, Honshu. Depth from broadband displacement seismograms.
31	10	08	51.9%	23.857	N	121.961	E	33	N	4.3	0.8	15 TAIWAN
31	10	11	52.8%	63.542	N	146.721	W	9				42 CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
31	11	14	26.0%	35.351	N	3.996	W	10	G		0.9	8 STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).

31	11	24	03.5?	5.05	S	144.67	E	23	?	3.6	1.5	5	NEW GUINEA, PAPUA NEW GUINEA
31	11	25	57.8*	6.610	S	150.407	E	61	*	4.9	1.1	18	NEW BRITAIN REGION, P.N.G.
31	12	17	54.7*	6.739	S	104.276	E	33	N	5.0	1.2	16	SUNDA STRAIT
31	13	04	00.1*	47.370	N	9.562	E	10	G		1.0	5	GERMANY. ML 2.6 (VIE).
31	14	42	46.3&	59.715	N	153.152	W	108				80	SOUTHERN ALASKA. <AEIC>.
31	14	59	56.9	1.603	N	31.002	E	10	G	5.0	0.9	77	UGANDA
31	15	08	23.2?	60.72	N	5.53	E	10	G		0.4	4	SOUTHERN NORWAY. MD 1.7 (BER).
31	15	27	57.2&	62.242	N	149.048	W	47				35	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
31	15	49	17.4*	37.466	N	21.323	E	33	N		1.3	7	SOUTHERN GREECE. MD 3.5 (ATH).
31	16	00	42.5*	52.120	N	160.830	E	33	N	4.3	1.3	10	OFF EAST COAST OF KAMCHATKA
31	16	24	29.9	34.713	N	24.036	E	10	G	3.6	1.0	13	CRETE. MD 3.9 (ATH).
31	16	52	37.2?	10.97	N	60.12	W	60	?		0.5	7	TRINIDAD. MD 3.6 (TRN).
31	17	25	38.4&	59.982	N	152.960	W	104				50	SOUTHERN ALASKA. <AEIC>.
31	18	21	42.0	16.726	N	62.204	W	10	G		0.4	12	LEEWARD ISLANDS. ML 3.6 (FDF). MD 3.5 (TRN).
31	18	31	36.4	51.617	N	16.126	E	10	G		0.6	19	POLAND. ML 4.1 (GRF), 3.9 (VIE).
31	19	19	17.0	35.402	N	0.012	E	10	G		0.9	32	NORTHERN ALGERIA. mbLg 3.6 (MDD).
31	19	26	08.3&	62.808	N	150.814	W	90				65	CENTRAL ALASKA. <AEIC>.
31	19	33	20.5	39.033	N	27.874	E	10	G		0.5	16	TURKEY. MD 3.9 (ATH). ML 3.6 (ISK).
31	20	48	33.1*	20.663	S	133.839	E	10	G	4.5	1.2	6	NORTHERN TERRITORY, AUSTRALIA
31	20	56	51.8?	35.92	S	71.23	W	140	G		0.2	8	CENTRAL CHILE. MD 4.0 (SAN).
31	21	17	35.5&	33.167	S	70.303	W	10	G		0.1	7	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
31	22	38	29.9?	32.81	S	71.82	W	33	N		0.9	11	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
31	22	44	48.8&	61.768	N	146.788	W	31				86	SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.5 (PMR). Felt (II) at Glenallen.
31	23	29	54.5	25.851	N	78.566	E	33	N	4.7	0.8	48	NORTHERN INDIA. Felt in Delhi, Madhya Pradesh and Rajasthan.
31	23	34	05.2	38.662	N	21.267	E	5	G		0.8	7	GREECE. ML 3.3 (ATH).
31	23	38	56.7*	32.583	S	71.645	W	38	*	5.0	0.9	31	NEAR COAST OF CENTRAL CHILE. MD 4.8 (SAN).

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

01 05 51 17.57 12.367N 143.509E 25km	NP1:Strike= 25 Dip=83 Slip= 95	FAULT PLANE SOLUTION: P-Waves
5.0mb (18 obs.) 4.8MsZ (6 obs.)	NP2: 169 9 55	NP1:Strike=121 Dip=89 Slip= 178
SOUTH OF MARIANA ISLANDS	Principal Axes:	NP2: 211 88 1
CENTROID, MOMENT TENSOR (HRV)	T Plg=52 Azm=301	Principal Axes:
Data Used: GDSN	P 38 111	T Plg= 2 Azm= 76
L.P.B.: 16S, 21C	Comment: The focal mechanism is	P 1 166
Centroid Location:	poorly controlled and	Comment: The focal mechanism is
Origin Time 05:51:18.8 0.7	corresponds to reverse	moderately well controlled
Lat 12.35N FIX;Lon 143.54E FIX	faulting. The preferred fault	and corresponds to strike-
Dep 17.810.4 Half-duration 1.5	plane is NP2.	slip faulting. The preferred
Principal Axes:	RADIATED ENERGY	fault plane is not
Scale 10**17 Nm	No. of sta: 24 Focal mech. F	determined.
T Val= 1.32 Plg= 7 Azm= 74	Energy 3.2±0.5*10**12 Nm	MOMENT TENSOR SOLUTION
N -0.14 72 320	MOMENT TENSOR SOLUTION	Dep 41 No. of sta: 8
P -1.18 16 166	Dep 152 No. of sta: 30	Principal Axes:
Best Double Couple:Mo=1.2*10**17	Principal Axes:	Scale 10**17 Nm
NP1:Strike=209 Dip=73 Slip= -6	Scale 10**17 Nm	T Val= 5.21 Plg= 4 Azm= 76
NP2: 301 84 -163	T Val= 6.81 Plg=53 Azm=302	N 0.04 86 246
	N -0.11 10 199	P -5.25 1 346
	P -6.70 35 102	Best Double Couple:Mo=5.2*10**17
01 16 15 50.52 45.096N 150.586E 34km	Best Double Couple:Mo=6.8*10**17	NP1:Strike=121 Dip=87 Slip= 178
5.2mb (77 obs.) 4.6MsZ (11 obs.)	NP1:Strike=152 Dip=14 Slip= 42	NP2: 211 88 3
KURIL ISLANDS	NP2: 20 81 100	CENTROID, MOMENT TENSOR (HRV)
CENTROID, MOMENT TENSOR (HRV)	CENTROID, MOMENT TENSOR (HRV)	Data Used: GDSN
Data Used: GDSN	Data Used: GDSN	L.P.B.: 30S, 49C
L.P.B.: 17S, 23C	L.P.B.: 40S, 75C	Centroid Location:
Centroid Location:	Centroid Location:	Origin Time 15:00: 6.6 0.2
Origin Time 16:15:58.8 1.1	Origin Time 14:17:57.1 0.2	Lat 21.61N 0.02 Lon 93.88E 0.02
Lat 45.39N 0.10 Lon 150.78E 0.11	Lat 52.40N 0.02 Lon 158.27E 0.02	Dep 64.5 2.2 Half-duration 1.9
Dep 43.8 7.8 Half-duration 1.0	Dep 159.3 0.6 Half-duration 2.0	Principal Axes:
Principal Axes:	Principal Axes:	Scale 10**17 Nm
Scale 10**16 Nm	Scale 10**17 Nm	T Val= 5.10 Plg=12 Azm= 80
T Val= 3.94 Plg=84 Azm=155	T Val= 6.45 Plg=52 Azm=296	N -1.06 73 307
N 1.13 4 31	N -0.13 2 29	P -4.04 12 173
P -5.07 5 301	P -6.32 38 120	Best Double Couple:Mo=4.6*10**17
Best Double Couple:Mo=4.5*10**16	Best Double Couple:Mo=6.4*10**17	NP1:Strike=216 Dip=73 Slip= 0
NP1:Strike= 27 Dip=40 Slip= 85	NP1:Strike=221 Dip= 7 Slip= 103	NP2: 306 90 -163
NP2: 214 50 95	NP2: 28 83 88	
02 01 51 22.25 24.045S 66.790W 200km	03 01 22 20.09 6.363S 154.943E 54km	03 18 24 01.16 17.310S 167.313E 40km
5.1mb (74 obs.)	5.5mb (66 obs.)	5.0mb (10 obs.)
SALTA PROVINCE, ARGENTINA	SOLOMON ISLANDS	VANUATU 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.: 25S, 35C	L.P.B.: 33S, 43C	L.P.B.: 6S, 8C
Centroid Location:	Centroid Location:	Centroid Location:
Origin Time 01:51:25.4 0.3	Origin Time 01:22:22.5 0.3	Origin Time 18:24: 0.2 2.2
Lat 24.25S 0.06 Lon 67.00W 0.03	Lat 6.46S 0.03 Lon 154.95E 0.03	Lat 17.00S FIX;Lon 167.35E FIX
Dep 198.2 1.6 Half-duration 1.3	Dep 65.8 2.9 Half-duration 1.2	Dep 33.0 FIX Half-duration 1.0
Principal Axes:	Principal Axes:	Principal Axes:
Scale 10**17 Nm	Scale 10**17 Nm	Scale 10**16 Nm
T Val= 1.62 Plg=14 Azm= 83	T Val= 1.17 Plg=81 Azm=311	T Val= 6.07 Plg=35 Azm=113
N -0.29 28 345	N 0.07 9 131	N -0.20 5 20
P -1.33 58 197	P -1.24 0 41	P -5.87 55 283
Best Double Couple:Mo=1.5*10**17	Best Double Couple:Mo=1.2*10**17	Best Double Couple:Mo=6.0*10**16
NP1:Strike=205 Dip=39 Slip= -43	NP1:Strike=122 Dip=46 Slip= 77	NP1:Strike=224 Dip=11 Slip= -66
NP2: 331 65 -121	NP2: 320 46 103	NP2: 19 80 -95
02 14 17 52.19 52.428N 158.044E 145km	03 14 59 57.57 21.514N 93.981E 34km	04 18 36 20.49 7.665S 158.380E 34km
6.0mb (174 obs.)	5.7mb (120 obs.) 5.1MsZ (22 obs.)	5.1mb (21 obs.) 4.3MsZ (1 obs.)
NEAR EAST COAST OF KAMCHATKA	MYANMAR	SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves		CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 12S, 15C
Centroid Location:
Origin Time 18:36:16.7 1.0
Lat 7.70S FIX; Lon 158.49E FIX
Dep 36.912.9 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 3.76 Plg=66 Azm= 28
N 0.48 7 134
P -4.24 23 227
Best Double Couple: Mo=4.0*10**16
NP1: Strike=331 Dip=23 Slip= 108
NP2: 131 68 83

04 21 39 01.84 24.090S 179.925W 506km
5.3mb (60 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 34S, 50C
Centroid Location:
Origin Time 21:39: 8.6 0.3
Lat 23.92S 0.03 Lon 179.79W 0.04
Dep 542.0 1.7 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 2.78 Plg=41 Azm= 87
N -0.39 42 230
P -2.39 19 339
Best Double Couple: Mo=2.6*10**17
NP1: Strike=114 Dip=45 Slip= 161
NP2: 218 77 46

04 22 15 37.77 6.338S 131.575E 33km
6.2mb (68 obs.) 5.6MsZ (22 obs.)
TANIMBAR ISLANDS REG., INDONESIA
FAULT PLANE SOLUTION: P-Waves
NP1: Strike=330 Dip=71 Slip= 157
NP2: 68 68 21
Principal Axes:
T Plg=29 Azm=288
P 2 19
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 11 Focal mech. F
Energy 6.3±1.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 76 No. of sta: 16
Principal Axes:
Scale 10**18 Nm
T Val= 1.54 Plg=18 Azm=298
N 0.06 72 107
P -1.60 3 207
Best Double Couple: Mo=1.6*10**18
NP1: Strike=341 Dip=75 Slip= 169
NP2: 74 80 15
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 47S, 81C M.W.: 43S, 68C
Centroid Location:
Origin Time 22:15:46.3 0.1
Lat 6.30S 0.01 Lon 131.69E 0.01
Dep 60.5 0.9 Half-duration 3.4
Principal Axes:
Scale 10**18 Nm
T Val= 2.55 Plg=21 Azm=275
N 0.10 67 72
P -2.65 8 182
Best Double Couple: Mo=2.6*10**18
NP1: Strike=317 Dip=69 Slip= 171
NP2: 50 81 21

05 03 39 05.25 3.177S 101.466E 69km
5.5mb (67 obs.)
SOUTHERN SUMATERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 24C
Centroid Location:
Origin Time 03:39:10.0 0.9
Lat 3.14S FIX; Lon 101.47E FIX
Dep 25.8 4.2 Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.67 Plg=53 Azm= 39
N -0.23 6 302

P -1.44 36 207
Best Double Couple: Mo=1.6*10**17
NP1: Strike=267 Dip=10 Slip= 55
NP2: 122 82 96

05 08 14 10.36 52.245N 174.056E 33km
5.1mb (93 obs.) 5.0MsZ (29 obs.)
NEAR ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 41S, 65C
Centroid Location:
Origin Time 08:14:15.1 0.2
Lat 52.49N 0.02 Lon 173.86E 0.06
Dep 31.0 BDY Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.27 Plg=57 Azm=298
N 0.08 21 65
P -2.35 24 165
Best Double Couple: Mo=2.3*10**17
NP1: Strike=291 Dip=29 Slip= 139
NP2: 58 72 67

05 18 28 10.20 51.134N 179.294W 33km
5.2mb (109 obs.) 5.0MsZ (27 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 40S, 62C
Centroid Location:
Origin Time 18:28:12.8 0.3
Lat 51.23N 0.03 Lon 179.08W 0.05
Dep 23.5 1.6 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 1.88 Plg=65 Azm=317
N 0.14 9 67
P -2.02 23 160
Best Double Couple: Mo=2.0*10**17
NP1: Strike=267 Dip=23 Slip= 112
NP2: 63 68 81

05 19 41 56.72 55.370S 128.152W 10km
5.0mb (10 obs.) 5.5MsZ (38 obs.)
PACIFIC-ANTARCTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 66S, 153C M.W.: 52S, 83C
Centroid Location:
Origin Time 19:42: 4.6 0.1
Lat 55.34S 0.01 Lon 128.99W 0.01
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**18 Nm
T Val= 2.33 Plg= 6 Azm=333
N -0.30 84 179
P -2.03 3 64
Best Double Couple: Mo=2.2*10**18
NP1: Strike=109 Dip=84 Slip= 2
NP2: 18 88 174

06 00 45 19.49 17.169S 176.916W 33km
4.9mb (13 obs.) 5.1MsZ (6 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 44C
Centroid Location:
Origin Time 00:45:21.2 0.5
Lat 16.92S 0.04 Lon 176.88W 0.04
Dep 33.4 4.3 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 3.10 Plg= 4 Azm= 93
N -0.35 83 333
P -2.75 6 183
Best Double Couple: Mo=2.9*10**17
NP1: Strike=228 Dip=83 Slip= -2
NP2: 318 88 -173

06 01 02 52.05 51.085N 179.172W 33km
5.1mb (97 obs.) 4.9MsZ (12 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 12C
Centroid Location:
Origin Time 01:02:50.3 1.4
Lat 51.11N FIX; Lon 179.15W FIX
Dep 27.8 6.8 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm

T Val= 2.32 Plg=53 Azm=333
N -0.30 8 74
P -2.03 36 170
Best Double Couple: Mo=2.2*10**17
NP1: Strike=297 Dip=12 Slip= 134
NP2: 73 81 82

07 05 52 27.61 10.271S 119.978E 26km
5.7mb (35 obs.)
SUMBA REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 29C
Centroid Location:
Origin Time 05:52:35.4 2.2
Lat 10.20S 0.14 Lon 120.21E 0.08
Dep 54.9 6.4 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.90 Plg= 7 Azm=350
N -2.25 34 255
P -6.65 55 89
Best Double Couple: Mo=7.8*10**16
NP1: Strike=112 Dip=49 Slip= -42
NP2: 232 60 -130

08 07 55 39.23 13.817S 68.369W 598km
5.4mb (91 obs.)
PERU-BOLIVIA BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1: Strike=145 Dip=82 Slip= -90
NP2: 325 8 -90
Principal Axes:
T Plg=37 Azm=235
P 53 55
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 14 Focal mech. F
Energy 2.0±0.3*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 602 No. of sta: 12
Principal Axes:
Scale 10**17 Nm
T Val= 2.84 Plg=36 Azm=233
N 0.00 0 143
P -2.84 54 53
Best Double Couple: Mo=2.8*10**17
NP1: Strike=323 Dip= 9 Slip= -90
NP2: 143 81 -90
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 41S, 63C
Centroid Location:
Origin Time 07:55:46.3 0.3
Lat 13.54S 0.03 Lon 68.47W 0.03
Dep 602.9 1.7 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 2.88 Plg=38 Azm=224
N -0.08 1 133
P -2.80 52 41
Best Double Couple: Mo=2.8*10**17
NP1: Strike=322 Dip= 8 Slip= -81
NP2: 132 83 -91

08 21 08 31.66 24.721N 95.200E 122km
6.0mb (141 obs.)
MYANMAR
FAULT PLANE SOLUTION: P-Waves
NP1: Strike=235 Dip=55 Slip= 65
NP2: 94 42 121
Principal Axes:
T Plg=69 Azm= 90
P 7 343
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 3.4±1.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 123 No. of sta: 23
Principal Axes:
Scale 10**18 Nm
T Val= 1.76 Plg=67 Azm=117

N	0.16	17	255	Best Double Couple:Mo=2.1*10**17	plane is not determined.
P	-1.92	14	350	NP1:Strike=133 Dip=38 Slip=-139	RADIATED ENERGY
Best Double Couple:Mo=1.8*10**18				NP2: 9 66 -60	No. of sta: 7 Focal mech. M
NP1:Strike=102 Dip=34 Slip= 122					Energy 3.5±0.5*10**12 Nm
NP2: 245 61 70				10 14 57 49.27 58.756S 25.538W 33km	MOMENT TENSOR SOLUTION
CENTROID, MOMENT TENSOR (HRV)				5.6mb (17 obs.) 5.0Msz (17 obs.)	Dep 24 No. of sta: 22
Data Used: GDSN				SOUTH SANDWICH ISLANDS REGION	Principal Axes:
L.P.B.: 38S, 65C M.W.: 22S, 23C				CENTROID, MOMENT TENSOR (HRV)	Scale 10**17 Nm
Centroid Location:				Data Used: GDSN	T Val= 5.48 Plg=53 Azm= 48
Origin Time 21:08:36.6 0.2				L.P.B.: 30S, 52C	N 2.26 26 179
Lat 24.76N 0.02 Lon 94.97E 0.02				Centroid Location:	P -7.74 24 281
Dep 145.6 0.7 Half-duration 2.8				Origin Time 14:57:57.6 0.2	Best Double Couple:Mo=6.6*10**17
Principal Axes:				Lat 59.02S 0.04 Lon 25.05W 0.05	NP1:Strike= 52 Dip=31 Slip= 147
Scale 10**18 Nm				Dep 48.3 2.8 Half-duration 1.3	NP2: 171 74 63
T Val= 1.98 Plg=68 Azm=129				Principal Axes:	CENTROID, MOMENT TENSOR (HRV)
N -0.30 16 266				Scale 10**17 Nm	Data Used: GDSN
P -1.68 14 0				T Val= 1.91 Plg=73 Azm=237	L.P.B.: 50S, 95C
Best Double Couple:Mo=1.8*10**18				N 0.03 11 8	Centroid Location:
NP1:Strike=111 Dip=34 Slip= 120				P -1.94 12 100	Origin Time 20:42:13.5 0.2
NP2: 257 61 71				Best Double Couple:Mo=1.9*10**17	Lat 21.65S 0.02 Lon 173.44W 0.02
				NP1:Strike=205 Dip=34 Slip= 111	Dep 36.0 BDY Half-duration 2.0
				NP2: 1 58 77	Principal Axes:
					Scale 10**17 Nm
				11 00 48 32.68 20.568S 168.394E 38km	T Val= 6.22 Plg=74 Azm= 78
				5.6mb (41 obs.)	N 0.84 1 170
				LOYALTY ISLANDS	P -7.05 16 260
				CENTROID, MOMENT TENSOR (HRV)	Best Double Couple:Mo=6.6*10**17
				Data Used: GDSN	NP1:Strike=351 Dip=29 Slip= 91
				L.P.B.: 19S, 20C	NP2: 170 61 89
				Centroid Location:	
				Origin Time 00:48:37.9 0.6	13 14 24 33.04 54.132N 35.123W 10km
				Lat 20.47S 0.16 Lon 167.97E 0.13	4.9mb (25 obs.) 4.6Msz (7 obs.)
				Dep 15.0 FIX Half-duration 1.0	NORTH ATLANTIC OCEAN
				Principal Axes:	CENTROID, MOMENT TENSOR (HRV)
				Scale 10**16 Nm	Data Used: GDSN
				T Val= 8.51 Plg=19 Azm= 77	L.P.B.: 10S, 11C
				N 0.15 18 174	Centroid Location:
				P -8.66 63 305	Origin Time 14:24:38.3 1.5
				Best Double Couple:Mo=8.6*10**16	Lat 54.71N 0.22 Lon 35.13W 0.12
				NP1:Strike=140 Dip=31 Slip=-128	Dep 15.0 FIX Half-duration 1.0
				NP2: 2 66 -70	Principal Axes:
					Scale 10**16 Nm
				11 02 45 15.26 3.697S 153.400E 231km	T Val= 2.82 Plg= 0 Azm=244
				5.5mb (66 obs.)	N 0.76 0 154
				NEW IRELAND REGION, P.N.G.	P -3.58 90 180
				CENTROID, MOMENT TENSOR (HRV)	Best Double Couple:Mo=3.2*10**16
				Data Used: GDSN	NP1:Strike=334 Dip=45 Slip= -90
				L.P.B.: 34S, 49C	NP2: 154 45 -90
				Centroid Location:	
				Origin Time 02:45:19.0 0.3	13 22 07 09.19 15.171N 145.839E 87km
				Lat 3.56S 0.04 Lon 153.29E 0.05	5.5mb (61 obs.)
				Dep 212.7 1.6 Half-duration 1.4	MARIANA ISLANDS
				Principal Axes:	CENTROID, MOMENT TENSOR (HRV)
				Scale 10**17 Nm	Data Used: GDSN
				T Val= 1.60 Plg= 3 Azm=129	L.P.B.: 22S, 31C
				N -0.05 34 221	Centroid Location:
				P -1.55 55 35	Origin Time 22:07:13.0 0.4
				Best Double Couple:Mo=1.6*10**17	Lat 15.19N 0.05 Lon 146.00E 0.06
				NP1:Strike=188 Dip=52 Slip=-136	Dep 93.8 4.7 Half-duration 1.0
				NP2: 68 57 -48	Principal Axes:
					Scale 10**16 Nm
				11 19 32 52.16 21.840S 176.708W 179km	T Val= 8.37 Plg=48 Azm=153
				5.5mb (59 obs.)	N -0.57 7 55
				FIJI ISLANDS REGION	P -7.80 41 319
				CENTROID, MOMENT TENSOR (HRV)	Best Double Couple:Mo=8.1*10**16
				Data Used: GDSN	NP1:Strike=355 Dip= 8 Slip= 30
				L.P.B.: 46S, 83C	NP2: 236 86 97
				Centroid Location:	
				Origin Time 19:32:55.6 0.1	14 00 46 20.44 44.709N 150.103E 17km
				Lat 21.99S 0.01 Lon 176.22W 0.02	6.0mb (117 obs.) 5.9Msz (49 obs.)
				Dep 191.6 0.6 Half-duration 2.3	EAST OF KURIL ISLANDS
				Principal Axes:	FAULT PLANE SOLUTION: P-Waves
				Scale 10**17 Nm	NP1:Strike= 57 Dip=78 Slip= 90
				T Val= 8.70 Plg=40 Azm=132	NP2: 237 12 90
				N -0.59 12 32	Principal Axes:
				P -8.12 47 289	T Plg=57 Azm=327
				Best Double Couple:Mo=8.4*10**17	P 33 147
				NP1:Strike=285 Dip=12 Slip= -17	Comment: The focal mechanism is
				NP2: 32 86 -102	poorly controlled and
					corresponds to reverse
				11 20 42 08.99 21.600S 173.768W 31km	faulting. The preferred fault
				5.9mb (72 obs.) 5.4Msz (51 obs.)	plane is NP2.
				TONGA ISLANDS	RADIATED ENERGY
				FAULT PLANE SOLUTION: P-Waves	No. of sta: 15 Focal mech. F
				NP1:Strike=175 Dip=72 Slip= 90	Energy 5.0±0.7*10**12 Nm
				NP2: 355 18 90	MOMENT TENSOR SOLUTION
				Principal Axes:	Dep 28 No. of sta: 41
				T Plg=63 Azm= 85	Principal Axes:
				P 27 265	Scale 10**17 Nm
				Comment: The focal mechanism is	T Val= 9.15 Plg=60 Azm=324
				poorly controlled and	N 0.44 3 230
				corresponds to reverse	P -9.59 30 138
				faulting. The preferred fault	Best Double Couple:Mo=9.4*10**17

NP1:Strike=219 Dip=15 Slip= 79	N 0.62 5 202	corresponds to reverse
NP2: 50 75 93	P -8.22 28 110	faulting. The preferred fault
CENTROID, MOMENT TENSOR (HRV)	Best Double Couple:Mo=7.9*10**17	plane is NP1.
Data Used: GDSN	NP1:Strike=186 Dip=18 Slip= 73	RADIATED ENERGY
L.P.B.: 48S,100C	NP2: 24 73 95	No. of sta: 13 Focal mech. F
Centroid Location:		Energy 4.4±1.2*10**12 Nm
Origin Time 00:46:28.6 0.1	14 10 58 19.78 29.808S 71.594W 42km	MOMENT TENSOR SOLUTION
Lat 44.71N 0.02 Lon 150.33E 0.02	5.5mb (45 obs.)	Dep 21 No. of sta: 40
Dep 31.8 1.2 Half-duration 2.4	NEAR COAST OF CENTRAL CHILE	Principal Axes:
Principal Axes:	CENTROID, MOMENT TENSOR (HRV)	Scale 10**17 Nm
Scale 10**17 Nm	Data Used: GDSN	T Val= 4.81 Plg=69 Azm=287
T Val= 10.24 Plg=61 Azm=351	L.P.B.: 21S, 34C	N -0.17 1 194
N 0.05 18 223	Centroid Location:	P -4.64 21 104
P -10.29 21 126	Origin Time 10:58:26.8 0.3	Best Double Couple:Mo=4.7*10**17
Best Double Couple:Mo=1.0*10**18	Lat 29.82S 0.05 Lon 71.42W 0.05	NP1:Strike=191 Dip=24 Slip= 87
NP1:Strike=186 Dip=29 Slip= 49	Dep 47.8 4.7 Half-duration 1.3	NP2: 15 66 91
NP2: 51 69 110	Principal Axes:	CENTROID, MOMENT TENSOR (HRV)
	Scale 10**17 Nm	Data Used: GDSN
14 01 31 12.94 44.694N 150.011E 19km	T Val= 1.95 Plg=46 Azm=171	L.P.B.: 44S, 82C
6.2mb (135 obs.) 6.1MsZ (56 obs.)	N -0.29 23 55	Centroid Location:
EAST OF KURIL ISLANDS	P -1.67 35 308	Origin Time 10:09:38.1 0.2
FAULT PLANE SOLUTION: P-Waves	Best Double Couple:Mo=1.8*10**17	Lat 37.91N 0.02 Lon 142.40E 0.03
NP1:Strike= 55 Dip=84 Slip= 90	NP1:Strike=340 Dip=24 Slip= 14	Dep 22.0 BDY Half-duration 2.1
NP2: 235 6 90	NP2: 237 85 113	Principal Axes:
Principal Axes:	15 06 15 39.00 16.751N 60.739W 33km	Scale 10**17 Nm
T Plg=51 Azm=325	5.1mb (62 obs.) 5.0MsZ (10 obs.)	T Val= 4.94 Plg=76 Azm=243
P 39 145	LEEWARD ISLANDS	N -0.34 9 10
Comment: The focal mechanism is	CENTROID, MOMENT TENSOR (HRV)	P -4.60 11 102
poorly controlled and	Data Used: GDSN	Best Double Couple:Mo=4.8*10**17
corresponds to reverse	L.P.B.: 36S, 49C	NP1:Strike=203 Dip=35 Slip= 106
faulting. The preferred fault	Centroid Location:	NP2: 5 57 79
plane is NP2.	Origin Time 06:15:43.6 0.4	
RADIATED ENERGY	Lat 16.81N 0.05 Lon 60.76W 0.04	16 14 14 41.79 18.460S 176.372W 33km
No. of sta: 10 Focal mech. M	Dep 17.8 2.1 Half-duration 1.4	5.0mb (20 obs.) 5.1MsZ (3 obs.)
Energy 6.3±1.9*10**13 Nm	Principal Axes:	FIJI ISLANDS REGION
MOMENT TENSOR SOLUTION	Scale 10**17 Nm	CENTROID, MOMENT TENSOR (HRV)
Dep 21 No. of sta: 8	T Val= 1.84 Plg=61 Azm=252	Data Used: GDSN
Principal Axes:	N 0.07 1 160	L.P.B.: 29S, 41C
Scale 10**18 Nm	P -1.91 29 70	Centroid Location:
T Val= 2.88 Plg=35 Azm=357	Best Double Couple:Mo=1.9*10**17	Origin Time 14:14:43.8 0.4
N 0.55 27 245	NP1:Strike=157 Dip=16 Slip= 87	Lat 18.34S 0.05 Lon 176.02W 0.04
P -3.44 42 127	NP2: 341 74 91	Dep 15.0 FIX Half-duration 1.2
Best Double Couple:Mo=3.2*10**18		Principal Axes:
NP1:Strike=146 Dip=28 Slip= -8	16 03 43 57.28 44.551N 149.892E 33km	Scale 10**17 Nm
NP2: 243 86 -117	5.3mb (66 obs.) 5.0MsZ (16 obs.)	T Val= 1.31 Plg=14 Azm=112
CENTROID, MOMENT TENSOR (HRV)	KURIL ISLANDS	N 0.20 72 332
Data Used: GDSN	CENTROID, MOMENT TENSOR (HRV)	P -1.51 11 205
L.P.B.: 50S,128C M.W.: 16S, 17C	Data Used: GDSN	Best Double Couple:Mo=1.4*10**17
Centroid Location:	L.P.B.: 19S, 27C	NP1:Strike=249 Dip=72 Slip= 2
Origin Time 01:31:17.7 0.1	Centroid Location:	NP2: 158 88 162
Lat 44.59N 0.02 Lon 150.09E 0.02	Origin Time 03:44: 1.8 0.9	
Dep 23.4 0.7 Half-duration 3.3	Lat 44.75N 0.08 Lon 150.16E 0.14	16 21 15 49.98 14.371N 92.802W 61km
Principal Axes:	Dep 21.1 5.4 Half-duration 1.1	5.0mb (33 obs.) 4.2MsZ (5 obs.)
Scale 10**18 Nm	Principal Axes:	NEAR COAST OF CHIAPAS, MEXICO
T Val= 2.83 Plg=45 Azm=339	Scale 10**16 Nm	CENTROID, MOMENT TENSOR (HRV)
N 0.31 10 239	T Val= 7.67 Plg=57 Azm=314	Data Used: GDSN
P -3.14 43 139	N -1.14 1 46	L.P.B.: 9S, 12C
Best Double Couple:Mo=3.0*10**18	P -6.53 33 136	Centroid Location:
NP1:Strike=156 Dip=10 Slip= 7	Best Double Couple:Mo=7.1*10**16	Origin Time 21:15:49.6 1.2
NP2: 59 89 100	NP1:Strike=229 Dip=12 Slip= 94	Lat 14.20N 0.09 Lon 93.08W 0.13
	NP2: 45 78 89	Dep 33.0 FIX Half-duration 1.0
14 07 38 27.38 34.927N 89.205E 33km		Principal Axes:
4.5mb (20 obs.) 4.7MsZ (1 obs.)	16 04 46 18.78 29.361N 130.194E 39km	Scale 10**16 Nm
XIZANG	5.5mb (83 obs.) 5.4MsZ (36 obs.)	T Val= 7.71 Plg=48 Azm= 86
CENTROID, MOMENT TENSOR (HRV)	RYUKYU ISLANDS	N -1.38 33 311
Data Used: GDSN	CENTROID, MOMENT TENSOR (HRV)	P -6.34 23 205
L.P.B.: 17S, 21C	Data Used: GDSN	Best Double Couple:Mo=7.0*10**16
Centroid Location:	L.P.B.: 44S, 85C	NP1:Strike=250 Dip=37 Slip= 25
Origin Time 07:38:35.0 0.6	Centroid Location:	NP2: 140 76 124
Lat 34.97N 0.09 Lon 89.18E 0.06	Origin Time 04:46:22.9 0.1	
Dep 33.0 FIX Half-duration 1.0	Lat 29.34N 0.02 Lon 130.47E 0.03	16 21 43 53.65 20.071S 175.243W 193km
Principal Axes:	Dep 36.0 BDY Half-duration 1.8	4.9mb (30 obs.)
Scale 10**16 Nm	Principal Axes:	TONGA ISLANDS
T Val= 8.69 Plg=19 Azm=283	Scale 10**17 Nm	CENTROID, MOMENT TENSOR (HRV)
N -0.85 68 137	T Val= 3.88 Plg=68 Azm=344	Data Used: GDSN
P -7.84 12 17	N 0.52 13 220	L.P.B.: 14S, 17C
Best Double Couple:Mo=8.3*10**16	P -4.39 17 126	Centroid Location:
NP1:Strike= 61 Dip=68 Slip= 5	Best Double Couple:Mo=4.1*10**17	Origin Time 21:43:51.5 1.4
NP2: 329 85 158	NP1:Strike=197 Dip=30 Slip= 64	Lat 20.21S 0.16 Lon 174.85W 0.09
	NP2: 46 63 104	Dep 168.3 4.1 Half-duration 1.0
14 09 06 52.85 38.794N 142.075E 44km		Principal Axes:
5.4mb (92 obs.) 5.3MsZ (38 obs.)	16 10 09 32.84 37.842N 142.462E 20km	Scale 10**16 Nm
NEAR EAST COAST OF HONSHU, JAPAN	5.9mb (115 obs.) 5.2MsZ (40 obs.)	T Val= 10.11 Plg= 2 Azm= 31
CENTROID, MOMENT TENSOR (HRV)	OFF EAST COAST OF HONSHU, JAPAN	N 1.44 60 297
Data Used: GDSN	FAULT PLANE SOLUTION: P-Waves	P -11.56 30 123
L.P.B.: 45S, 96C	NP1:Strike=185 Dip=41 Slip= 90	Best Double Couple:Mo=1.1*10**17
Centroid Location:	NP2: 5 49 90	NP1:Strike=163 Dip=68 Slip= -20
Origin Time 09:06:56.4 0.2	Principal Axes:	NP2: 261 71 -156
Lat 38.72N 0.02 Lon 142.25E 0.02	T Plg=86 Azm=275	
Dep 37.0 BDY Half-duration 2.2	P 4 95	18 00 45 47.20 7.433S 31.751E 25km
Principal Axes:	Comment: The focal mechanism is	6.0mb (105 obs.) 5.7MsZ (8 obs.)
Scale 10**17 Nm	poorly controlled and	LAKE TANGANYIKA REGION
T Val= 7.60 Plg=62 Azm=302		FAULT PLANE SOLUTION: P-Waves

NP1:Strike=155 Dip=67 Slip= -90
NP2: 335 23 -90
Principal Axes:
T Plg=22 Azm=245
P 68 65
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. M
Energy $2.8 \pm 0.4 \times 10^{12}$ Nm
MOMENT TENSOR SOLUTION
Dep 29 No. of sta: 16
Principal Axes:
Scale 10^{17} Nm
T Val= 7.67 Plg=17 Azm=241
N 0.00 2 151
P -7.67 73 56
Best Double Couple:Mo= 7.7×10^{17}
NP1:Strike=334 Dip=28 Slip= -87
NP2: 150 62 -92
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 57S, 118C M.W.: 15S, 15C
Centroid Location:
Origin Time 00:45:52.7 0.2
Lat 7.65S 0.02 Lon 31.83E 0.02
Dep 25.0 BDY Half-duration 3.0
Principal Axes:
Scale 10^{17} Nm
T Val= 8.39 Plg=22 Azm=239
N 0.54 7 332
P -8.94 67 78
Best Double Couple:Mo= 8.7×10^{17}
NP1:Strike=317 Dip=23 Slip= -107
NP2: 155 68 -83

18 01 13 05.78 35.520N 0.106W 9km
5.7mb (130 obs.) 5.9MsZ (33 obs.)
NORTHERN ALGERIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=330 Dip=63 Slip= 27
NP2: 227 66 150
Principal Axes:
T Plg=37 Azm=188
P 2 279
Comment: The focal mechanism is moderately well controlled and corresponds to right-lateral strike slip faulting with a moderate reverse component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 11 Focal mech. F
Energy $5.0 \pm 0.9 \times 10^{12}$ Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 26C
Centroid Location:
Origin Time 01:13: 9.9 0.3
Lat 35.60N 0.05 Lon 0.36E 0.08
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10^{17} Nm
T Val= 5.42 Plg=65 Azm=165
N 2.88 8 58
P -8.30 23 325
Best Double Couple:Mo= 6.9×10^{17}
NP1:Strike= 40 Dip=23 Slip= 70
NP2: 241 69 98

18 04 21 51.96 44.679N 150.221E 33km
5.7mb (115 obs.) 5.8MsZ (10 obs.)
EAST OF KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 50C
Centroid Location:
Origin Time 04:21:57.1 0.3
Lat 44.78N 0.03 Lon 150.50E 0.05
Dep 28.0 2.2 Half-duration 1.7
Principal Axes:
Scale 10^{17} Nm
T Val= 3.52 Plg=66 Azm=308
N 0.07 3 46
P -3.59 24 137
Best Double Couple:Mo= 3.6×10^{17}
NP1:Strike=234 Dip=22 Slip= 99
NP2: 45 69 87

18 04 42 57.38 44.767N 150.158E 15km
6.2mb (148 obs.) 6.5MsZ (49 obs.)
EAST OF KURIL ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 35 Dip=80 Slip= 90
NP2: 215 10 90
Principal Axes:
T Plg=55 Azm=305
P 35 125
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 23 Focal mech. M
Energy $8.7 \pm 1.7 \times 10^{13}$ Nm
MOMENT TENSOR SOLUTION
Dep 18 No. of sta: 26
Principal Axes:
Scale 10^{18} Nm
T Val= 4.68 Plg=53 Azm=309
N 0.06 4 215
P -4.74 37 122
Best Double Couple:Mo= 4.7×10^{18}
NP1:Strike=190 Dip= 9 Slip= 65
NP2: 35 82 94
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 60S, 150C M.W.: 47S, 75C
Centroid Location:
Origin Time 04:43: 4.1 0.1
Lat 44.75N 0.01 Lon 150.31E 0.01
Dep 15.0 BDY Half-duration 4.4
Principal Axes:
Scale 10^{18} Nm
T Val= 7.53 Plg=56 Azm=300
N 0.06 4 36
P -7.59 33 128
Best Double Couple:Mo= 7.6×10^{18}
NP1:Strike=234 Dip=12 Slip= 109
NP2: 35 79 86

19 10 02 51.83 26.642S 63.421W 564km
6.4mb (107 obs.)
SANTIAGO DEL ESTERO PROV., ARG.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=160 Dip=67 Slip= -105
NP2: 14 27 -59
Principal Axes:
T Plg=21 Azm=261
P 65 45
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a small strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 26 Focal mech. F
Energy $4.0 \pm 0.6 \times 10^{13}$ Nm
MOMENT TENSOR SOLUTION
Dep 563 No. of sta: 31
Principal Axes:
Scale 10^{18} Nm
T Val= 5.38 Plg=23 Azm=261
N -0.01 15 165
P -5.37 62 44
Best Double Couple:Mo= 5.4×10^{18}
NP1:Strike= 19 Dip=26 Slip= -53
NP2: 159 70 -106
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 67S, 171C M.W.: 52S, 82C
Centroid Location:
Origin Time 10:02:56.4 0.1
Lat 26.72S 0.01 Lon 63.42W 0.01
Dep 562.6 0.6 Half-duration 4.1
Principal Axes:
Scale 10^{18} Nm
T Val= 5.59 Plg=26 Azm=263
N -0.04 17 164
P -5.54 58 46
Best Double Couple:Mo= 5.6×10^{18}
NP1:Strike= 26 Dip=24 Slip= -46
NP2: 159 73 -107

19 21 02 45.62 17.974N 96.415E 12km
5.6mb (86 obs.) 5.6MsZ (44 obs.)
MYANMAR
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=280 Dip=80 Slip= 23

NP2: 186 67 169
Principal Axes:
T Plg=23 Azm=145
P 9 51
Comment: The focal mechanism is moderately well controlled and corresponds to right-lateral strike slip faulting with a moderate reverse component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 14 Focal mech. F
Energy $2.3 \pm 0.5 \times 10^{13}$ Nm
MOMENT TENSOR SOLUTION
Dep 14 No. of sta: 13
Principal Axes:
Scale 10^{17} Nm
T Val= 4.82 Plg=19 Azm=153
N -0.04 66 294
P -4.79 14 58
Best Double Couple:Mo= 4.8×10^{17}
NP1:Strike=194 Dip=66 Slip= 176
NP2: 286 86 24
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 47S, 82C
Centroid Location:
Origin Time 21:02:48.1 0.2
Lat 17.96N 0.03 Lon 96.58E 0.03
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10^{17} Nm
T Val= 4.77 Plg= 9 Azm=308
N 0.08 72 190
P -4.85 16 40
Best Double Couple:Mo= 4.8×10^{17}
NP1:Strike= 83 Dip=73 Slip= -5
NP2: 175 85 -163

20 01 56 05.20 3.129S 148.464E 33km
4.8mb (10 obs.) 4.9MsZ (1 obs.)
BISMARCK SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 20C
Centroid Location:
Origin Time 01:56: 8.3 1.6
Lat 2.94S 0.13 Lon 148.77E 0.09
Dep 31.5 9.7 Half-duration 1.0
Principal Axes:
Scale 10^{16} Nm
T Val= 7.17 Plg=18 Azm=325
N -0.29 69 180
P -6.88 11 59
Best Double Couple:Mo= 7.0×10^{16}
NP1:Strike=103 Dip=69 Slip= 5
NP2: 11 86 159

20 02 21 11.09 44.606N 149.325E 23km
6.0mb (135 obs.) 5.2MsZ (41 obs.)
KURIL ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 45 Dip=50 Slip= 90
NP2: 225 40 90
Principal Axes:
T Plg=85 Azm=315
P 5 135
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 14 Focal mech. F
Energy $1.5 \pm 0.3 \times 10^{12}$ Nm
MOMENT TENSOR SOLUTION
Dep 26 No. of sta: 11
Principal Axes:
Scale 10^{17} Nm
T Val= 2.21 Plg=62 Azm=298
N -0.29 4 36
P -1.93 28 128
Best Double Couple:Mo= 2.1×10^{17}
NP1:Strike=230 Dip=18 Slip= 105
NP2: 34 73 85
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 58C
Centroid Location:
Origin Time 02:21:15.3 0.3
Lat 44.67N 0.03 Lon 149.81E 0.05
Dep 34.7 2.2 Half-duration 1.5

Principal Axes:	FAULT PLANE SOLUTION: P-Waves	NP2: 1 52 101
Scale 10**17 Nm	NP1:Strike= 45 Dip=57 Slip= -90	CENTROID, MOMENT TENSOR (HRV)
T Val= 3.02 Plg=72 Azm=299	NP2: 225 33 -90	Data Used: GDSN
N -0.23 4 42	Principal Axes:	L.P.B.: 63S,140C M.W.: 41S, 58C
P -2.79 17 134	T Plg=12 Azm=135	Centroid Location:
Best Double Couple:Mo=2.9*10**17	P 78 315	Origin Time 17:26:42.7 0.1
NP1:Strike=230 Dip=28 Slip= 99	Comment: The focal mechanism is	Lat 11.62S 0.01 Lon 166.46E 0.01
NP2: 40 62 85	poorly controlled and	Dep 150.4 0.4 Half-duration 2.9
	corresponds to normal	Principal Axes:
20 04 38 50.57 44.656N 149.176E 24km	faulting. The preferred fault	Scale 10**18 Nm
6.2mb (144 obs.) 6.1MsZ (52 obs.)	plane is not determined.	T Val= 2.02 Plg=84 Azm=338
KURIL ISLANDS	RADIATED ENERGY	N -0.07 6 171
FAULT PLANE SOLUTION: P-Waves	No. of sta: 28 Focal mech. F	P -1.95 1 80
NP1:Strike= 35 Dip=75 Slip= 90	Energy 5.4±0.7*10**12 Nm	Best Double Couple:Mo=2.0*10**18
NP2: 215 15 90	MOMENT TENSOR SOLUTION	NP1:Strike=165 Dip=44 Slip= 82
Principal Axes:	Dep 11 No. of sta: 42	NP2: 356 47 98
T Plg=60 Azm=305	Principal Axes:	
P 30 125	Scale 10**17 Nm	22 21 31 16.80 30.976N 141.707E 33km
Comment: The focal mechanism is	T Val= 9.39 Plg= 1 Azm=313	5.2mb (54 obs.) 5.1MsZ (34 obs.)
poorly controlled and	N 0.01 13 43	SOUTH OF HONSHU, JAPAN
corresponds to reverse	P -9.39 76 218	CENTROID, MOMENT TENSOR (HRV)
faulting. The preferred fault	Best Double Couple:Mo=9.4*10**17	Data Used: GDSN
plane is NP2.	NP1:Strike= 29 Dip=45 Slip=-109	L.P.B.: 25S, 32C
RADIATED ENERGY	NP2: 235 48 -72	Centroid Location:
No. of sta: 29 Focal mech. M	CENTROID, MOMENT TENSOR (HRV)	Origin Time 21:31:19.6 0.5
Energy 1.7±0.2*10**13 Nm	Data Used: GDSN	Lat 31.03N 0.05 Lon 142.03E 0.04
MOMENT TENSOR SOLUTION	L.P.B.: 48S,107C	Dep 35.8 4.5 Half-duration 1.3
Dep 34 No. of sta: 51	Centroid Location:	Principal Axes:
Principal Axes:	Origin Time 15:56: 3.6 0.1	Scale 10**17 Nm
Scale 10**18 Nm	Lat 56.79N 0.02 Lon 117.81E 0.03	T Val= 1.30 Plg=76 Azm=258
T Val= 1.73 Plg=59 Azm=295	Dep 15.0 BDY Half-duration 2.6	N 0.62 3 358
N -0.01 13 48	Principal Axes:	P -1.92 14 89
P -1.72 27 145	Scale 10**18 Nm	Best Double Couple:Mo=1.6*10**17
Best Double Couple:Mo=1.7*10**18	T Val= 1.24 Plg= 2 Azm=318	NP1:Strike=182 Dip=31 Slip= 95
NP1:Strike=265 Dip=21 Slip= 129	N 0.02 8 48	NP2: 357 59 87
NP2: 44 74 76	P -1.26 82 210	
CENTROID, MOMENT TENSOR (HRV)	Best Double Couple:Mo=1.2*10**18	23 06 22 04.87 23.786S 179.992E 521km
Data Used: GDSN	NP1:Strike= 39 Dip=43 Slip=-101	5.3mb (44 obs.)
L.P.B.: 59S,152C M.W.: 38S, 51C	NP2: 235 48 -79	SOUTH OF FIJI ISLANDS
Centroid Location:		CENTROID, MOMENT TENSOR (HRV)
Origin Time 04:38:56.7 0.1	22 11 09 38.40 44.621N 150.310E 33km	Data Used: GDSN
Lat 44.62N 0.01 Lon 149.39E 0.01	5.2mb (78 obs.) 5.1MsZ (20 obs.)	L.P.B.: 38S, 57C
Dep 33.7 0.5 Half-duration 3.2	EAST OF KURIL ISLANDS	Centroid Location:
Principal Axes:	CENTROID, MOMENT TENSOR (HRV)	Origin Time 06:22: 9.9 0.3
Scale 10**18 Nm	Data Used: GDSN	Lat 23.83S 0.03 Lon 179.71W 0.03
T Val= 2.49 Plg=68 Azm=293	L.P.B.: 15S, 17C	Dep 530.4 1.6 Half-duration 1.6
N 0.13 6 39	Centroid Location:	Principal Axes:
P -2.62 21 131	Origin Time 11:09:40.9 0.9	Scale 10**17 Nm
Best Double Couple:Mo=2.5*10**18	Lat 44.85N 0.11 Lon 151.11E 0.14	T Val= 3.12 Plg=41 Azm= 66
NP1:Strike=233 Dip=24 Slip= 106	Dep 15.0 BDY Half-duration 1.0	N 0.32 22 177
NP2: 36 67 83	Principal Axes:	P -3.44 41 287
	Scale 10**16 Nm	Best Double Couple:Mo=3.3*10**17
20 18 18 25.45 3.120N 127.420E 77km	T Val= 12.57 Plg=59 Azm=307	NP1:Strike= 86 Dip=22 Slip= 179
5.2mb (38 obs.)	N -2.31 3 211	NP2: 177 90 68
TALAUD ISLANDS, INDONESIA	P -10.26 30 120	
CENTROID, MOMENT TENSOR (HRV)	Best Double Couple:Mo=1.1*10**17	23 14 18 31.61 40.041N 78.818E 33km
Data Used: GDSN	NP1:Strike=199 Dip=15 Slip= 77	5.0mb (35 obs.) 5.0MsZ (9 obs.)
L.P.B.: 23S, 38C	NP2: 32 75 93	SOUTHERN XINJIANG, CHINA
Centroid Location:		CENTROID, MOMENT TENSOR (HRV)
Origin Time 18:18:29.6 0.5	22 12 41 16.52 70.922N 6.103W 10km	Data Used: GDSN
Lat 3.62N 0.04 Lon 127.99E 0.04	5.3mb (87 obs.) 4.9MsZ (29 obs.)	L.P.B.: 10S, 13C
Dep 54.6 3.5 Half-duration 1.2	JAN MAYEN ISLAND REGION	Centroid Location:
Principal Axes:	CENTROID, MOMENT TENSOR (HRV)	Origin Time 14:18:37.4 0.8
Scale 10**16 Nm	Data Used: GDSN	Lat 40.37N 0.08 Lon 79.37E 0.14
T Val= 13.13 Plg= 8 Azm=139	L.P.B.: 23S, 30C	Dep 15.0 FIX Half-duration 1.0
N 0.02 42 42	Centroid Location:	Principal Axes:
P -13.15 47 238	Origin Time 12:41:22.8 0.3	Scale 10**16 Nm
Best Double Couple:Mo=1.3*10**17	Lat 71.26N 0.03 Lon 6.35W 0.09	T Val= 10.56 Plg=61 Azm= 87
NP1:Strike=266 Dip=52 Slip= -32	Dep 15.0 FIX Half-duration 1.3	N -2.79 23 226
NP2: 17 65 -137	Principal Axes:	P -7.77 17 324
	Scale 10**17 Nm	Best Double Couple:Mo=9.2*10**16
21 09 15 48.12 6.492S 143.433E 31km	T Val= 1.34 Plg= 0 Azm=145	NP1:Strike= 85 Dip=35 Slip= 134
5.3mb (25 obs.) 4.4MsZ (2 obs.)	N -0.47 90 180	NP2: 215 66 65
NEW GUINEA, PAPUA NEW GUINEA	P -0.87 0 55	
CENTROID, MOMENT TENSOR (HRV)	Best Double Couple:Mo=1.1*10**17	24 15 17 40.37 25.076S 13.594W 10km
Data Used: GDSN	NP1:Strike=190 Dip=90 Slip=-180	5.3mb (35 obs.) 4.8MsZ (30 obs.)
L.P.B.: 20S, 28C	NP2: 280 90 0	SOUTHERN MID-ATLANTIC RIDGE
Centroid Location:		CENTROID, MOMENT TENSOR (HRV)
Origin Time 09:15:51.0 0.8	22 17 26 37.59 11.509S 166.452E 142km	Data Used: GDSN
Lat 6.66S 0.08 Lon 143.36E 0.08	6.2mb (84 obs.)	L.P.B.: 34S, 45C
Dep 27.0 FIX Half-duration 1.0	SANTA CRUZ ISLANDS	Centroid Location:
Principal Axes:	RADIATED ENERGY	Origin Time 15:17:43.9 0.5
Scale 10**16 Nm	No. of sta: 25 Focal mech. M	Lat 25.62S 0.05 Lon 13.57W 0.04
T Val= 6.23 Plg=77 Azm=286	Energy 3.0±0.5*10**13 Nm	Dep 15.0 FIX Half-duration 1.2
N -0.65 11 132	MOMENT TENSOR SOLUTION	Principal Axes:
P -5.58 5 40	Dep 151 No. of sta: 35	Scale 10**16 Nm
Best Double Couple:Mo=5.9*10**16	Principal Axes:	T Val= 9.28 Plg= 0 Azm=251
NP1:Strike=118 Dip=41 Slip= 72	Scale 10**18 Nm	N -0.82 0 161
NP2: 321 51 105	T Val= 1.98 Plg=79 Azm=315	P -8.46 90 180
	N -0.02 9 174	Best Double Couple:Mo=8.9*10**16
21 15 55 59.21 56.761N 117.900E 12km	P -1.96 7 83	NP1:Strike=341 Dip=45 Slip= -90
5.8mb (147 obs.) 5.8MsZ (32 obs.)	Best Double Couple:Mo=2.0*10**18	NP2: 161 45 -90
EAST OF LAKE BAYKAL, RUSSIA	NP1:Strike=164 Dip=39 Slip= 76	

24 22 05 58.14 35.483S 104.892W 10km 4.8mb (16 obs.) 4.7MsZ (22 obs.) SOUTHERN PACIFIC OCEAN CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 32S, 49C Centroid Location: Origin Time 22:06: 3.7 0.2 Lat 35.62S 0.04 Lon 104.75W 0.03 Dep 15.0 FIX Half-duration 1.3 Principal Axes: Scale 10**17 Nm T Val= 1.71 Plg= 3 Azm=234 N 0.09 79 127 P -1.80 10 325 Best Double Couple:Mo=1.8*10**17 NP1:Strike= 9 Dip=80 Slip= -5 NP2: 100 85 -170	NP2: 1 63 85	Principal Axes: Scale 10**17 Nm T Val= 1.87 Plg=71 Azm=326 N -0.60 2 231 P -1.27 19 141 Best Double Couple:Mo=1.6*10**17 NP1:Strike=228 Dip=26 Slip= 86 NP2: 52 64 92
25 01 24 46.54 42.771N 145.049E 72km 5.4mb (91 obs.) HOKKAIDO, JAPAN REGION CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 11S, 13C Centroid Location: Origin Time 01:24:57.6 0.7 Lat 42.73N FIX;Lon 145.04E FIX Dep 88.310.6 Half-duration 1.0 Principal Axes: Scale 10**16 Nm T Val= 10.36 Plg=39 Azm= 29 N -4.49 44 170 P -5.87 20 282 Best Double Couple:Mo=8.1*10**16 NP1:Strike= 58 Dip=46 Slip= 164 NP2: 159 79 45	28 15 02 19.07 17.012N 95.844W 68km 5.5mb (63 obs.) OAXACA, MEXICO CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 29S, 45C Centroid Location: Origin Time 15:02:22.3 0.3 Lat 17.26N 0.03 Lon 96.01W 0.03 Dep 40.2 2.3 Half-duration 1.5 Principal Axes: Scale 10**17 Nm T Val= 2.49 Plg=27 Azm= 31 N -0.05 1 121 P -2.44 63 212 Best Double Couple:Mo=2.5*10**17 NP1:Strike=119 Dip=18 Slip= -92 NP2: 302 72 -89	29 08 31 44.45 22.646S 175.098W 33km 5.4mb (41 obs.) 5.0MsZ (10 obs.) TONGA ISLANDS REGION CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 33S, 47C Centroid Location: Origin Time 08:31:49.3 0.6 Lat 22.64S 0.06 Lon 174.48W 0.04 Dep 33.0 FIX Half-duration 1.2 Principal Axes: Scale 10**16 Nm T Val= 11.40 Plg=26 Azm=116 N 0.84 4 24 P -12.25 64 287 Best Double Couple:Mo=1.2*10**17 NP1:Strike=215 Dip=19 Slip= -79 NP2: 23 71 -94
26 00 13 25.93 28.131N 43.913W 10km 4.9mb (33 obs.) 5.0MsZ (32 obs.) NORTHERN MID-ATLANTIC RIDGE CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 21S, 29C Centroid Location: Origin Time 00:13:30.9 0.4 Lat 28.03N 0.05 Lon 43.70W 0.03 Dep 15.0 FIX Half-duration 1.3 Principal Axes: Scale 10**16 Nm T Val= 8.68 Plg= 0 Azm=100 N 0.53 0 10 P -9.21 90 180 Best Double Couple:Mo=8.9*10**16 NP1:Strike=190 Dip=45 Slip= -90 NP2: 10 45 -90	28 15 41 29.24 5.659N 126.234E 69km 5.6mb (68 obs.) MINDANAO, PHILIPPINE ISLANDS CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 40S, 61C Centroid Location: Origin Time 15:41:31.0 0.3 Lat 5.63N 0.03 Lon 126.84E 0.03 Dep 31.8 2.0 Half-duration 1.6 Principal Axes: Scale 10**17 Nm T Val= 2.84 Plg=70 Azm=325 N -0.19 12 198 P -2.65 16 104 Best Double Couple:Mo=2.7*10**17 NP1:Strike=177 Dip=31 Slip= 66 NP2: 25 62 104	29 09 31 09.20 22.652S 175.082W 33km 5.3mb (49 obs.) 5.1MsZ (9 obs.) TONGA ISLANDS REGION CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 37S, 52C Centroid Location: Origin Time 09:31:12.4 0.5 Lat 22.80S 0.04 Lon 174.47W 0.04 Dep 35.8 2.3 Half-duration 1.2 Principal Axes: Scale 10**16 Nm T Val= 12.79 Plg=22 Azm=120 N 0.06 0 30 P -12.85 68 299 Best Double Couple:Mo=1.3*10**17 NP1:Strike=211 Dip=23 Slip= -89 NP2: 30 67 -91
27 16 03 56.36 6.802N 126.729E 100km 5.4mb (49 obs.) MINDANAO, PHILIPPINE ISLANDS CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 34S, 46C Centroid Location: Origin Time 16:03:55.8 0.3 Lat 6.74N 0.03 Lon 127.04E 0.03 Dep 81.7 2.6 Half-duration 1.3 Principal Axes: Scale 10**17 Nm T Val= 1.70 Plg=32 Azm=319 N -0.06 57 148 P -1.64 4 52 Best Double Couple:Mo=1.7*10**17 NP1:Strike=100 Dip=65 Slip= 22 NP2: 1 71 153	28 18 37 20.67 44.783N 150.061E 19km 6.1mb (124 obs.) 6.6MsZ (52 obs.) EAST OF KURIL ISLANDS FAULT PLANE SOLUTION: P-Waves NP1:Strike= 36 Dip=77 Slip= 90 NP2: 216 13 90 Principal Axes: T Plg=58 Azm=306 P 32 126 Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2. RADIATED ENERGY No. of sta: 31 Focal mech. M Energy 8.0±1.2*10**13 Nm MOMENT TENSOR SOLUTION Dep 13 No. of sta: 43 Principal Axes: Scale 10**18 Nm T Val= 8.00 Plg=55 Azm=288 N -0.11 14 39 P -7.89 31 137 Best Double Couple:Mo=7.9*10**18 NP1:Strike=265 Dip=19 Slip= 138 NP2: 36 78 76 CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 61S, 161C M.W.: 49S, 99C Centroid Location: Origin Time 18:37:29.6 0.1 Lat 44.91N 0.01 Lon 150.37E 0.01 Dep 21.6 0.4 Half-duration 4.9 Principal Axes: Scale 10**18 Nm T Val= 8.39 Plg=64 Azm=297 N 0.10 5 39 P -8.48 25 131 Best Double Couple:Mo=8.4*10**18 NP1:Strike=233 Dip=21 Slip= 105 NP2: 37 70 84	29 17 36 20.81 0.404S 19.172W 10km 5.5mb (59 obs.) 5.3MsZ (35 obs.) CENTRAL MID-ATLANTIC RIDGE CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 55S, 113C M.W.: 31S, 35C Centroid Location: Origin Time 17:36:26.1 0.1 Lat 0.03S 0.01 Lon 19.21W 0.01 Dep 15.0 FIX Half-duration 1.8 Principal Axes: Scale 10**17 Nm T Val= 5.08 Plg= 2 Azm=215 N -0.26 83 318 P -4.82 7 125 Best Double Couple:Mo=4.9*10**17 NP1:Strike=260 Dip=84 Slip= -176 NP2: 169 86 -6
28 07 42 03.64 20.273S 173.600W 33km 5.6mb (62 obs.) 5.0MsZ (11 obs.) TONGA ISLANDS CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 32S, 48C Centroid Location: Origin Time 07:42: 6.1 0.3 Lat 20.49S 0.04 Lon 173.19W 0.04 Dep 15.0 FIX Half-duration 1.4 Principal Axes: Scale 10**17 Nm T Val= 1.53 Plg=71 Azm=260 N 0.04 4 3 P -1.57 18 95 Best Double Couple:Mo=1.5*10**17 NP1:Strike=192 Dip=27 Slip= 99	29 01 45 07.59 44.582N 150.324E 50km 5.5mb (76 obs.) 5.5MsZ (22 obs.) EAST OF KURIL ISLANDS CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 23S, 34C Centroid Location: Origin Time 01:45:10.4 0.6 Lat 44.98N 0.05 Lon 151.14E 0.07 Dep 31.2 3.3 Half-duration 1.3	30 06 13 35.83 44.737N 150.117E 51km 6.2mb (130 obs.) 5.6MsZ (37 obs.) EAST OF KURIL ISLANDS FAULT PLANE SOLUTION: P-Waves NP1:Strike=224 Dip=87 Slip= -90 NP2: 44 3 -90 Principal Axes: T Plg=42 Azm=314 P 48 134 Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1. RADIATED ENERGY No. of sta: 13 Focal mech. F Energy 1.1±0.2*10**13 Nm MOMENT TENSOR SOLUTION Dep 25 No. of sta: 27 Principal Axes: Scale 10**17 Nm T Val= 4.33 Plg=32 Azm=349 N -0.04 37 231 P -4.29 37 107 Best Double Couple:Mo=4.3*10**17 NP1:Strike=135 Dip=37 Slip= -5 NP2: 229 87 -127

CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 35S, 67C M.W.: 3S, 3C
 Centroid Location:
 Origin Time 06:13:35.2 0.2
 Lat 44.79N 0.03 Lon 150.52E 0.04
 Dep 31.5 2.4 Half-duration 1.8
 Principal Axes:
 Scale 10**17 Nm
 T Val= 3.95 Plg=44 Azm=338
 N 0.34 23 224
 P -4.30 37 116
 Best Double Couple:Mo=4.1*10**17
 NP1:Strike=145 Dip=23 Slip= 10
 NP2: 46 86 113

30 10 14 30.35 15.248S 173.340W 33km
 5.4mb (38 obs.) 5.3MsZ (37 obs.)
 TONGA ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 35S, 66C
 Centroid Location:
 Origin Time 10:14:35.7 0.2
 Lat 15.03S 0.03 Lon 173.13W 0.02
 Dep 15.0 FIX Half-duration 1.9
 Principal Axes:
 Scale 10**17 Nm
 T Val= 4.46 Plg=42 Azm=310
 N 0.53 31 188
 P -4.99 32 76
 Best Double Couple:Mo=4.7*10**17
 NP1:Strike=110 Dip=31 Slip= 11
 NP2: 11 84 121

30 19 42 46.51 6.965S 124.111E 596km
 5.9mb (54 obs.)
 BANDA SEA
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike= 30 Dip=60 Slip= -75
 NP2: 182 33 -114
 Principal Axes:

T Plg=14 Azm=109
 P 71 334
 Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a small strike-slip component. The preferred fault plane is not determined.

RADIATED ENERGY
 No. of sta: 11 Focal mech. M
 Energy 4.7±1.3*10**12 Nm

MOMENT TENSOR SOLUTION
 Dep 612 No. of sta: 16
 Principal Axes:
 Scale 10**18 Nm
 T Val= 2.16 Plg= 9 Azm=113
 N -0.02 18 205
 P -2.14 70 358
 Best Double Couple:Mo=2.1*10**18
 NP1:Strike=182 Dip=40 Slip=-119
 NP2: 38 56 -68

CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 57S, 122C
 Centroid Location:
 Origin Time 19:42:53.0 0.1
 Lat 6.97S 0.01 Lon 124.31E 0.01
 Dep 604.0 0.9 Half-duration 2.9
 Principal Axes:
 Scale 10**18 Nm
 T Val= 2.11 Plg= 7 Azm=108
 N -0.03 12 199
 P -2.08 76 350
 Best Double Couple:Mo=2.1*10**18
 NP1:Strike=184 Dip=40 Slip=-109
 NP2: 29 53 -75

31 09 07 25.93 43.719N 146.013E 76km
 6.0mb (141 obs.)
 KURIL ISLANDS
 FAULT PLANE SOLUTION: P-Waves

NP1:Strike= 53 Dip=57 Slip=-158
 NP2: 311 72 -35
 Principal Axes:
 T Plg= 9 Azm= 5
 P 37 267
 Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.

RADIATED ENERGY
 No. of sta: 11 Focal mech. F
 Energy 2.7±0.7*10**13 Nm

MOMENT TENSOR SOLUTION
 Dep 85 No. of sta: 41
 Principal Axes:
 Scale 10**18 Nm
 T Val= 2.11 Plg=20 Azm= 35
 N 0.04 20 132
 P -2.15 61 264
 Best Double Couple:Mo=2.1*10**18
 NP1:Strike= 95 Dip=31 Slip=-132
 NP2: 321 67 -68

CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 46S, 92C
 Centroid Location:
 Origin Time 09:07:28.1 0.1
 Lat 43.60N 0.01 Lon 146.03E 0.02
 Dep 82.1 0.8 Half-duration 2.7
 Principal Axes:
 Scale 10**18 Nm
 T Val= 2.21 Plg=10 Azm= 9
 N -0.28 49 111
 P -1.93 39 271
 Best Double Couple:Mo=2.1*10**18
 NP1:Strike= 58 Dip=55 Slip=-157
 NP2: 314 71 -37

Compiled by Pingsheng Chang, Willis S. Jacobs, Stuart K. Koyanagi, Christina K. Lavonne, John H. Minsch, Waverly J. Person, Bruce W. Presgrave, William H. Schmieder, Pamela J. Tatalaski, and Madeleine D. Zirbes.

Earthquake Focal Mechanisms for August 1994

Earthquake epicenters in Alaska and adjacent regions for August, 1994

Earthquake epicenters in the conterminous United States and adjacent regions for August, 1994

Earthquakes located in August, 1994

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

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

SEPTEMBER 1994

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			
a 01	01 17 47.2	52.770 N 166.987 W	33 N	5.2 4.6	1.2	151	FOX ISLANDS, ALEUTIAN ISLANDS.	Mw 5.1 (HRV). ML 5.1 (PMR).	
01	01 35 29.2	38.341 N 22.293 E	24 *	3.4	1.1	21	GREECE.	ML 3.7 (ROM). MD 3.7 (ATH).	
01	01 46 12.3	38.274 N 22.197 E	5 G		1.1	9	GREECE.	MD 3.4 (ATH).	
01	02 21 50.2	37.219 N 116.110 W	5 G		0.8	15	SOUTHERN NEVADA.	ML 3.2 (GS).	
01	02 30 21.0*	52.561 N 159.743 E	33 N	4.6	0.9	27	OFF EAST COAST OF KAMCHATKA		
01	02 54 29.6*	41.65 N 21.79 E	10 G		0.2	4	NORTHWESTERN BALKAN REGION.	ML 2.2 (SKO). Felt (III) at Titov Veles.	
01	03 22 35.6	35.724 N 137.614 E	41 *	3.4	1.2	10	EASTERN HONSHU, JAPAN		
01	03 42 39.5	34.838 N 23.112 E	32 *	4.2	1.2	62	CRETE.	ML 4.3 (ATH).	
01	04 07 32.5	29.317 N 34.864 E	10 G		0.8	15	EGYPT.	ML 3.2 (JER). MD 3.1 (RYD).	
01	05 32 59.1*	38.291 N 21.833 E	5 G	3.8	1.3	8	GREECE.	MD 3.5 (ATH).	
01	06 02 29.2	45.510 N 5.726 E	13		1.0	29	FRANCE.	ML 3.1 (LDG).	
01	06 25 19.2*	59.529 N 152.476 W	76			49	SOUTHERN ALASKA.	<AEIC>.	
01	06 46 53.1*	20.605 S 172.649 E	33 N	4.6	1.3	12	VANUATU ISLANDS REGION		
01	07 11 53.4	26.447 S 27.405 E	5 G		0.9	7	REPUBLIC OF SOUTH AFRICA.	ML 2.7 (PRE). Three people killed and 13 injured at the Vaal Reefs gold mine.	
01	07 26 45.8*	39.13 N 27.76 E	10 G		0.5	4	TURKEY.	ML 2.8 (ISK).	
01	07 56 49.4*	58.595 N 137.685 W	5 G			34	SOUTHEASTERN ALASKA.	<PGC-P>. ML 3.8 (PGC), 3.4 (AEIC).	
01	08 42 56.2*	39.63 N 29.38 E	10 G		0.2	4	TURKEY.	ML 2.7 (ISK).	
01	08 54 11.1*	44.508 N 6.868 E	5 G		0.3	8	FRANCE.	ML 2.4 (GEN).	
01	09 04 51.1	26.397 S 27.402 E	5 G		0.6	8	REPUBLIC OF SOUTH AFRICA.	mbLg 3.9 (BUL). ML 3.4 (PRE).	
01	09 52 43.9*	40.58 N 4.22 W	10 G		0.0	4	SPAIN.	mbLg 2.8 (MDD).	
01	09 55 51.2*	37.010 N 4.185 W	10 G		0.9	5	SPAIN.	mbLg 2.6 (MDD).	
01	10 05 50.2	42.312 N 125.520 W	10 G		0.4	41	OFF COAST OF OREGON		
a 01	10 26 53.1*	27.950 S 76.092 E	10 G	5.1 5.2	1.1	30	MID-INDIAN RIDGE.	Mw 5.2 (HRV).	
01	10 43 02.4*	40.320 N 27.540 E	10 G		0.6	9	TURKEY.	ML 3.0 (ISK).	
01	10 50 40.9	52.334 N 160.119 E	43 D	5.0 4.4	1.1	99	OFF EAST COAST OF KAMCHATKA		
01	10 52 33.7	42.778 N 111.137 W	5 G		0.9	12	EASTERN IDAHO.	ML 2.9 (GS).	
01	11 03 38.5*	9.25 N 122.95 E	33 N		1.2	4	NEGROS, PHILIPPINE ISLANDS		
01	11 18 06.0*	44.493 N 7.278 E	10 G		0.3	9	NORTHERN ITALY.	ML 2.2 (GEN).	
01	11 25 14.6*	60.580 N 151.571 W	61			61	KENAI PENINSULA, ALASKA.	<AEIC>. ML 2.5 (AEIC).	
a 01	11 28 36.0	24.908 S 13.658 W	10 G	5.1 4.7	0.9	69	SOUTHERN MID-ATLANTIC RIDGE.	Mw 5.2 (HRV).	
01	13 08 09.0*	32.810 S 70.989 W	70 G		0.2	9	CHILE-ARGENTINA BORDER REGION.	MD 4.0 (SAN).	
01	13 29 50.1*	38.934 N 119.978 W	17			30	CALIFORNIA-NEVADA BORDER REGION.	<GM-P>. MD 2.9 (GM). ML 2.9 (GS). Felt (IV) at South Lake Tahoe, California. Also felt at Emerald Bay, Camp Richardson and Fallen Leaf, California.	
01	14 41 15.1	40.339 N 125.380 W	10 G		0.7	40	OFF COAST OF NORTHERN CALIFORNIA.	ML 3.3 (GS). MD 3.3 (GM).	
a 01	15 15 53.0	40.402 N 125.680 W	10 G	6.6 7.0	1.0	624	OFF COAST OF NORTHERN CALIFORNIA.	Mw 7.1 (GS), 7.0 (HRV), 6.9 (BRK). ML 6.8 (BRK). Mo=5.4*10**19 Nm (PPT). Slight damage (VI) at Honeydew. Felt (V) at Arcata, Bayside, Blocksburg, Bridgeville, Comptche, Dos Rios, Douglas City, Eureka, Ferndale, Fields Landing, Fortuna, Garberville, Junction City, Lakehead, Manchester, Manila, McKinleyville, Mendocino, Miranda, Myers Flat, Petrolia, Phillipsville, Piercy, Project City, Rio Dell, Samoa, Westport, Whitethorn and Zenia. Felt in much of northern California as far south as Fresno. Also felt in parts of southern Oregon. Tsunami generated with maximum wave height of 14 cm. (peak-to-trough) at Crescent City. Two events about 4.2 seconds apart observed on broadband displacement seismograms.	
01	15 37 13.0*	40.400 N 125.650 W	10 G			1	OFF COAST OF NORTHERN CALIFORNIA.	<SPEC>. MD 3.3 (GM). Held to mainshock location.	
01	15 38 43.0*	40.400 N 125.650 W	10 G			2	OFF COAST OF NORTHERN CALIFORNIA.	<SPEC>. MD 3.8 (GM).	

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a 01	15 38 54.6	10.944 S	166.246 E	152 D	5.9	0.9	334	Held to mainshock location.
01	15 47 59.0&	40.400 N	125.650 W	10 G			5	SANTA CRUZ ISLANDS
								OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. MD 3.4 (GM).
01	15 51 36.0&	40.400 N	125.650 W	10 G			2	Held to mainshock location. Double event.
								OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. MD 3.4 (GM).
01	15 56 03.2	40.377 N	125.422 W	10 G		0.6	70	Held to mainshock location.
								OFF COAST OF NORTHERN CALIFORNIA. MD 4.0 (GM). ML 4.0 (BRK), 3.9 (GS).
01	15 57 00.8&	44.458 N	7.252 E	10 G		0.3	6	NORTHERN ITALY. ML 2.1 (GEN).
01	16 02 33.0	41.149 N	21.461 E	5 G		1.0	18	NORTHWESTERN BALKAN REGION. ML 3.6 (TTG), 3.5 (SKO). MD 3.4 (ATH). Felt (IV) in the Bitola-Resen area.
01	16 05 29.8*	40.480 N	125.671 W	10 G		0.7	24	OFF COAST OF NORTHERN CALIFORNIA
01	16 12 40.7	41.183 N	21.196 E	14	5.8	1.2	441	NORTHWESTERN BALKAN REGION. ML 5.6 (TTG), 5.4 (ROM), 5.2 (SKO). MD 5.4 (ATH). Many people injured and some damage in the Bitola area. Felt (VII) in the Bitola-Ohrid area; (V) at Prilep; (III) at Gevgelija and Titov Veles. Felt strongly at Florina and Kastoria, Greece. Also felt in southwestern Bulgaria.
01	16 13 30.7?	40.54 N	125.96 W	10 G		0.5	20	OFF COAST OF NORTHERN CALIFORNIA. MD 3.2 (GM).
01	16 15 17.3*	52.103 N	166.354 W	33 N	5.3	1.2	26	FOX ISLANDS, ALEUTIAN ISLANDS
01	16 21 39.3*	41.280 N	21.426 E	10 G		0.9	5	NORTHWESTERN BALKAN REGION. ML 3.5 (SKO). MD 3.5 (ATH).
01	16 22 47.0&	40.400 N	125.650 W	10 G			4	OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. ML 3.2 (GS). Held to mainshock location.
01	16 23 10.7	41.149 N	21.257 E	10 G	5.2	1.4	153	NORTHWESTERN BALKAN REGION. ML 4.8 (ATH), 4.6 (TTG). Felt strongly at Bitola.
01	16 25 54.3*	40.376 N	125.538 W	10 G		0.7	27	OFF COAST OF NORTHERN CALIFORNIA. MD 3.9 (GM). ML 4.3 (BRK), 3.8 (GS).
01	16 31 31.9*	41.460 N	21.452 E	10 G		0.5	9	NORTHWESTERN BALKAN REGION. ML 2.9 (TTG). Felt (IV) in the Bitola-Resen area.
01	16 45 54.2	41.145 N	21.367 E	5 G	4.1	1.2	22	NORTHWESTERN BALKAN REGION. ML 3.8 (TTG). MD 3.6 (ATH). Felt (V) in the Bitola-Resen area.
01	16 48 41.0*	40.404 N	125.726 W	10 G		0.7	24	OFF COAST OF NORTHERN CALIFORNIA. MD 3.4 (GM). ML 3.0 (GS).
01	16 50 13.7?	40.35 N	125.65 W	10 G		1.4	5	OFF COAST OF NORTHERN CALIFORNIA. MD 3.1 (GM). ML 2.7 (GS).
01	17 06 28.2*	41.119 N	20.597 E	5 G		1.5	8	ALBANIA. ML 3.1 (TTG), 2.6 (TIR).
01	17 07 48.4	41.608 N	142.040 E	78 *	4.0	1.4	17	HOKKAIDO, JAPAN REGION
01	17 14 08.1	40.388 N	125.811 W	10 G		0.6	34	OFF COAST OF NORTHERN CALIFORNIA. MD 3.4 (GM). ML 3.8 (BRK), 3.2 (GS).
01	17 30 16.2*	52.337 N	160.261 E	33 N	4.7	1.3	28	OFF EAST COAST OF KAMCHATKA
01	17 37 15.0&	40.400 N	125.650 W	10 G			2	OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. MD 2.6 (GM). Held to mainshock location.
01	17 50 13.3*	6.542 S	143.948 E	31 *	4.6	1.0	9	NEW GUINEA, PAPUA NEW GUINEA. ML 4.3 (PMG).
01	17 58 02.9	40.347 N	125.450 W	10 G		0.7	54	OFF COAST OF NORTHERN CALIFORNIA. MD 3.5 (GM). ML 3.5 (BRK), 3.3 (GS).
01	18 24 05.4*	9.174 N	123.239 E	20 *	4.9	1.5	20	NEGROS, PHILIPPINE ISLANDS
01	19 09 09.5*	42.489 N	126.178 W	10 G		0.5	16	OFF COAST OF OREGON
01	19 11 11.9	41.237 N	21.091 E	5 G		1.4	12	NORTHWESTERN BALKAN REGION. ML 2.9 (TTG), 2.8 (SKO), 2.5 (TIR).
01	19 25 12.0?	51.69 N	16.33 E	10 G		0.1	12	POLAND. ML 3.8 (GRF), 3.7 (VIE).
01	19 31 09.2*	41.231 N	21.109 E	5 G		1.2	14	NORTHWESTERN BALKAN REGION. ML 3.2 (TTG), 3.1 (SKO), 2.8 (TIR). Felt (III) in the Bitola-Resen area.
01	19 42 31.2	41.133 N	21.348 E	10 G		1.2	30	NORTHWESTERN BALKAN REGION. ML 4.1 (SKO), 3.9 (TTG). MD 3.7 (ATH). Felt (V) in the Bitola-Resen area.
01	19 47 43.6*	41.040 N	21.343 E	5 G		1.1	11	NORTHWESTERN BALKAN REGION. ML 2.9 (TTG), 2.6 (SKO).
01	19 48 31.5*	40.418 N	125.712 W	10 G		0.7	24	OFF COAST OF NORTHERN CALIFORNIA. ML 3.5 (GS).
01	19 50 21.4&	37.151 N	121.542 W	8			33	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.9 (GS).
01	20 06 32.1	52.212 N	160.350 E	45 D	5.1 4.7	1.0	186	OFF EAST COAST OF KAMCHATKA
01	20 08 31.6*	40.937 N	20.892 E	5 G		0.9	12	GREECE-ALBANIA BORDER REGION. ML 3.1 (TTG), 2.9 (SKO).
01	20 11 19.0*	41.026 N	20.917 E	5 G		1.0	12	ALBANIA. ML 3.2 (TTG).
01	20 19 35.6?	10.80 S	164.06 E	33 N	4.9	0.3	5	SANTA CRUZ ISLANDS REGION
01	20 27 56.0	52.338 N	160.193 E	24	5.2 4.6	1.0	137	OFF EAST COAST OF KAMCHATKA
01	20 48 55.0&	40.400 N	125.650 W	10 G			4	OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. MD 2.9 (GM). Held to mainshock location.
01	20 49 14.5	41.119 N	21.245 E	10 G		1.2	26	NORTHWESTERN BALKAN REGION. ML 3.7 (SKO), 3.6 (TTG). MD 3.4 (ATH). Felt in the Bitola-Resen area. Also felt (IV) at Krusevo, Ohrid and Prilep.
a 01	20 50 39.0	18.462 S	172.905 W	49 D	5.5 5.4	1.2	141	TONGA ISLANDS REGION. Mw 5.6 (HRV).
01	20 58 42.5	40.410 N	125.708 W	10 G		0.6	38	OFF COAST OF NORTHERN CALIFORNIA. ML 3.6 (GS), 3.5 (BRK).
01	21 03 51.0&	40.400 N	125.650 W	10 G			2	OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. ML 3.0 (GS). MD 3.0 (GM). Held to mainshock location. Double event.
01	21 31 36.8	9.052 N	123.322 E	33 N	4.4 4.5	1.4	13	NEGROS, PHILIPPINE ISLANDS
01	21 38 55.3&	61.913 N	149.822 W	6			79	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.6 (PMR). Felt at Talkeetna and Willow.
01	21 52 06.5*	40.378 N	125.654 W	10 G		0.7	23	OFF COAST OF NORTHERN CALIFORNIA. MD 3.1 (GM). ML 2.9 (GS).
01	22 27 00.9	35.241 N	4.005 W	10 G		1.1	13	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
01	22 38 57.6&	60.037 N	152.995 W	110			58	SOUTHERN ALASKA. <AEIC>.
01	22 48 24.1&	63.445 N	150.857 W	12			82	CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC), 3.7 (PMR). Felt at Kantishna.
01	22 50 39.0*	41.928 N	32.520 E	10 G		1.4	11	TURKEY. ML 3.2 (ISK).
01	23 54 30.0&	45.093 N	3.322 E	10 G		0.3	6	FRANCE. ML 1.8 (LDG).
02	00 18 58.5*	32.114 S	69.277 W	150 G		1.1	11	MENDOZA PROVINCE, ARGENTINA. MD 4.4 (SAN).
02	00 32 54.0&	40.400 N	125.650 W	10 G			2	OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. MD 2.9 (GM). Held to mainshock location.
02	00 32 58.7	41.119 N	21.184 E	10 G		1.2	41	NORTHWESTERN BALKAN REGION. ML 3.8 (ROM), 3.7 (TTG), 3.3 (TIR). MD 3.5 (ATH). Felt (IV) in the Bitola-Resen area.
02	01 23 58.7*	41.069 N	21.324 E	10 G		1.3	11	NORTHWESTERN BALKAN REGION. ML 3.5 (SKO), 3.1 (TTG). Felt (V) in the Bitola-Resen area.
02	02 44 54.0*	40.434 N	125.537 W	10 G		0.6	25	OFF COAST OF NORTHERN CALIFORNIA. MD 3.4 (GM).
02	03 05 25.0&	40.400 N	125.650 W	10 G			3	OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. MD 2.9 (GM).

Held to mainshock location.

02	03	29	12.9*	31.833	N	139.278	E	33	N	3.8	1.0	8	SOUTH OF HONSHU, JAPAN
02	03	46	31.9*	40.411	N	125.550	W	10	G		0.4	25	OFF COAST OF NORTHERN CALIFORNIA. MD 3.4 (GM). ML 3.2 (GS).
02	04	42	38.5?	51.25	N	15.80	E	10	G		0.2	5	POLAND
02	04	54	29.9	21.079	S	66.704	W	225	D	4.8	1.0	74	SOUTHERN BOLIVIA
02	05	48	56.7	22.745	S	175.762	W	59	D	5.2	0.9	95	TONGA ISLANDS REGION
02	06	05	41.3	41.109	N	20.894	E	10	G		0.7	10	ALBANIA. ML 3.0 (TTG). Felt (IV) in the Bitola-Resen area, former Yugoslav Republic of Macedonia.
02	06	57	53.5?	35.72	N	80.95	E	33	N	4.2	1.3	12	KASHMIR-XIZANG BORDER REGION
02	07	11	47.0*	39.257	N	29.208	E	10	G		0.6	6	TURKEY. ML 2.9 (ISK).
02	07	30	46.9?	42.85	N	18.04	E	10	G		0.3	6	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
02	07	50	04.3?	39.11	N	27.60	E	10	G		0.8	4	TURKEY. ML 2.8 (ISK).
02	08	11	52.8?	40.39	N	125.85	W	10	G		0.2	6	OFF COAST OF NORTHERN CALIFORNIA. ML 3.0 (GS). MD 3.0 (GM).
02	08	25	46.1*	41.106	N	21.209	E	5	G		1.4	11	NORTHWESTERN BALKAN REGION. ML 3.0 (TTG), 3.0 (SKO). Felt (IV) in the Bitola-Resen area.
02	09	51	56.0*	40.569	N	125.925	W	10	G		0.6	25	OFF COAST OF NORTHERN CALIFORNIA. MD 3.1 (GM). ML 3.0 (GS).
02	10	08	37.5?	2.18	N	126.49	E	33	N	5.1	0.1	5	NORTHERN MOLUCCA SEA
02	10	09	55.7	35.733	N	80.054	E	33	N	4.2	0.9	21	KASHMIR-XIZANG BORDER REGION
02	10	33	20.1*	13.426	S	166.516	E	80	?	4.9	1.1	10	VANUATU ISLANDS
02	10	46	59.3	17.529	S	179.213	W	565	?	4.4	0.5	44	FIJI ISLANDS REGION
02	11	56	45.9*	17.061	N	98.245	W	33	N		1.0	5	GUERRERO, MEXICO
02	11	59	41.7?	14.91	S	172.12	W	35	D	4.2	1.1	34	SAMOA ISLANDS
02	13	00	38.0*	0.059	N	122.419	E	194	?	4.7	0.8	10	MINAHASSA PENINSULA, SULAWESI
02	13	28	15.4*	59.394	N	152.303	W	67				38	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
02	13	46	54.1*	22.772	N	107.426	W	10	G	4.5	1.5	43	OFF COAST OF CENTRAL MEXICO
a 02	13	55	27.7	4.901	N	127.522	E	97		5.2	1.0	96	TALAUD ISLANDS, INDONESIA. Mw 5.1 (HRV).
02	14	39	42.1?	22.87	N	107.21	W	33	N	4.2	0.7	8	OFF COAST OF CENTRAL MEXICO
02	15	07	38.4?	39.20	N	27.17	E	10	G		0.1	4	TURKEY. ML 3.1 (ISK).
02	15	47	34.2*	36.731	N	116.152	W	5	G		0.9	6	CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (GS).
02	15	56	15.7*	3.309	S	130.790	E	39	?	5.5	1.1	29	SERAM, INDONESIA
02	16	32	56.9	41.147	N	21.261	E	10	G		1.3	30	NORTHWESTERN BALKAN REGION. ML 3.7 (TTG), 3.6 (SKO), 3.4 (TIR). Felt (VI) in the Bitola-Resen area; (V) at Krusevo, Ohrid and Prilep.
02	17	46	16.8	20.349	S	178.028	W	539	*	5.0	1.1	64	FIJI ISLANDS REGION
02	18	02	35.1	44.380	N	6.632	E	10	G		0.3	15	FRANCE. ML 2.6 (LDG), 2.6 (GEN).
02	18	38	31.6*	9.135	S	119.655	E	33	N	4.8	0.7	10	SUMBA REGION, INDONESIA
02	19	17	21.0	51.660	N	16.183	E	10	G		0.6	18	POLAND. ML 3.8 (GRF), 3.6 (VIE).
02	19	45	07.8?	6.73	S	148.12	E	33	N		1.3	5	NEW BRITAIN REGION, P.N.G. ML 4.1 (PMG).
02	20	23	36.3	40.415	N	125.728	W	10	G		0.7	31	OFF COAST OF NORTHERN CALIFORNIA. ML 3.3 (GS). MD 3.3 (GM).
02	20	57	12.2?	46.47	N	1.45	E	10	G		0.1	4	FRANCE. ML 1.7 (LDG).
02	20	57	22.4?	46.26	N	7.36	E	10	G		1.0	5	SWITZERLAND. ML 2.2 (LDG).
02	21	23	06.5	42.798	N	84.604	W	5	G		0.9	14	MICHIGAN. mbLg 3.4 (GS), 3.5 (OTT). Felt (V) at Dimondale and East Lansing; (IV) at Charlotte, Eaton Rapids, Grand Ledge and Mason; (III) at Bath, Fowler and Portland. Also felt at Grand Haven, Grand Rapids, Jackson, Laingsburg and Lansing.
02	21	33	00.6*	44.948	N	150.202	E	45	D	4.7 4.2	1.1	29	EAST OF KURIL ISLANDS
02	22	04	46.6	39.114	N	75.087	E	33	N	4.8	1.1	68	SOUTHERN XINJIANG, CHINA
02	22	46	17.0*	35.520	N	140.358	E	33	N	4.1	0.9	9	NEAR EAST COAST OF HONSHU, JAPAN
02	23	29	40.0	33.529	N	48.861	E	49	*	4.4	1.0	23	WESTERN IRAN. Felt at Borujerd and Khorramabad.
02	23	53	47.1*	32.929	S	70.964	W	70	G		0.4	7	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
03	00	30	46.2*	16.570	S	166.913	E	33	N	4.8	1.1	28	VANUATU ISLANDS
03	00	44	29.0*	40.400	N	125.650	W	10	G			4	OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. ML 2.8 (GS). MD 2.7 (GM). Held to mainshock location.
03	01	07	08.5*	65.775	N	155.011	W	19				70	NORTHERN ALASKA. <AEIC>. ML 4.1 (AEIC), 4.7 (PMR). Felt at Ruby.
03	01	47	24.6*	6.472	S	143.095	E	10	G	5.1	1.3	19	NEW GUINEA, PAPUA NEW GUINEA
a 03	02	53	03.0	51.292	N	178.934	W	33	N	5.1 4.4	0.9	183	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.2 (HRV). ML 5.2 (PMR).
03	03	06	38.3*	21.825	S	170.867	E	33	N	4.9	1.5	15	LOYALTY ISLANDS REGION
a 03	03	43	59.0	27.867	S	76.130	E	10	G	5.3 4.7	0.8	33	MID-INDIAN RIDGE. Mw 5.1 (HRV).
03	03	46	35.3*	39.191	N	28.589	E	10	G		1.1	6	TURKEY. ML 3.0 (ISK).
03	04	29	19.6	33.222	S	70.052	W	10	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
03	04	30	51.8*	50.814	N	178.905	W	33	N	4.2	0.5	8	ANDREANOF ISLANDS, ALEUTIAN IS.
03	04	31	15.0?	33.17	S	69.98	W	10	G		0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
03	04	38	59.4*	59.955	N	152.391	W	79				98	SOUTHERN ALASKA. <AEIC>.
03	04	40	17.0?	33.22	S	70.06	W	10	G		0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
03	05	01	28.2?	33.23	S	70.06	W	10	G		0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
03	05	23	56.5*	18.182	N	120.118	E	39	*	4.6	1.4	11	LUZON, PHILIPPINE ISLANDS
03	05	35	41.8*	43.802	N	4.925	E	10	G		0.5	5	NEAR SOUTH COAST OF FRANCE. ML 2.5 (LDG).
03	05	46	17.2*	41.143	N	20.095	E	26			0.7	11	ALBANIA. ML 3.0 (TTG).
03	06	56	14.7*	62.461	N	151.135	W	90				81	CENTRAL ALASKA. <AEIC>.
03	07	13	54.9	44.262	N	7.708	E	10	G		0.3	11	NORTHERN ITALY. ML 2.2 (LDG), 2.1 (GEN).
03	07	23	08.6	44.620	N	150.567	E	50	D	4.8 4.1	1.0	71	EAST OF KURIL ISLANDS
03	07	33	24.4	33.275	S	70.066	W	10	G		0.8	10	CHILE-ARGENTINA BORDER REGION. MD 4.2 (SAN).
03	07	40	25.1*	6.830	S	155.595	E	33	N	4.6	1.3	21	SOLOMON ISLANDS
03	07	45	52.0*	6.170	S	130.639	E	128	?	5.2	0.8	16	BANDA SEA
03	07	50	09.2*	16.721	S	174.383	W	199	D	4.7	1.1	29	TONGA ISLANDS
03	08	11	32.3?	39.08	N	27.57	E	10	G		0.4	4	TURKEY. ML 2.8 (ISK).
03	08	41	19.2*	6.926	N	73.034	W	162	*	4.4	0.8	7	NORTHERN COLOMBIA
a 03	09	02	53.7	31.422	S	111.028	W	7	G	5.8 5.4	0.8	191	EASTER ISLAND REGION. Mw 5.7 (GS), 5.7 (HRV). Ms 5.6 (BRK). Mo-1.1*10**18 Nm (PPT). Depth from broadband displacement seismograms.
03	09	11	50.8?	33.24	S	70.10	W	10	G		0.3	7	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
03	09	53	34.3	32.857	S	70.946	W	70	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 4.4 (SAN).
03	10	01	53.6?	33.23	S	70.09	W	10	G		0.3	7	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
03	10	10	13.2?	40.35	N	125.77	W	10	G		0.7	6	OFF COAST OF NORTHERN CALIFORNIA. ML 3.0 (GS). MD 2.9 (GM).
03	12	44	53.7*	3.460	S	143.781	E	95	?	4.8	1.0	23	NEAR N COAST OF NEW GUINEA, PNG.

03	13	28	08.8*	8.685 S	105.952 E	33 N	4.8	1.3	13	SOUTH OF JAWA, INDONESIA
03	13	52	24.9&	30.637 N	115.337 W	8			4	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.3 (ECX).
03	13	57	59.57	41.09 N	28.44 E	10 G		1.3	4	TURKEY. ML 2.7 (ISK).
a 03	14	07	06.0	4.782 S	154.019 E	106 *	5.4	0.9	140	SOLOMON ISLANDS. Mw 5.1 (HRV).
03	15	24	27.0?	5.96 S	124.93 E	33 N	4.2	1.3	5	BANDA SEA
03	15	36	43.6?	17.18 N	100.22 W	33 N		0.7	5	GUERRERO, MEXICO
03	15	46	13.0	24.805 N	94.564 E	86 *	4.7	1.1	21	MYANMAR-INDIA BORDER REGION
03	15	56	48.4	44.991 N	7.406 E	10 G		0.8	15	NORTHERN ITALY. ML 2.6 (LDG), 2.6 (GEN).
03	16	11	57.9&	39.678 N	29.412 E	10 G		0.5	5	TURKEY. ML 2.7 (ISK).
03	16	42	12.9?	33.25 S	70.14 W	10 G		0.3	7	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
03	17	02	00.0?	51.28 N	15.83 E	10 G		0.9	5	POLAND
03	17	16	54.7	40.351 N	125.465 W	10 G		0.7	36	OFF COAST OF NORTHERN CALIFORNIA. ML 3.1 (GS). MD 3.5 (GM).
a 03	17	46	41.5	21.212 S	173.640 E	33 N	5.8 6.2	1.2	189	VANUATU ISLANDS REGION. Mw 6.3 (GS), 6.2 (HRV). Ms 6.2 (BRK). Mo=3.9*10**18 Nm (PPT).
03	18	20	03.0&	57.431 N	154.865 W	0	3.9		87	KODIAK ISLAND REGION. <AEIC>. ML 4.0 (AEIC), 4.3 (PMR). Felt (II) at Karluk.
03	19	04	16.2&	38.917 N	29.903 E	10 G		0.1	5	TURKEY. ML 2.8 (ISK).
03	19	19	08.3&	44.801 N	6.758 E	10 G		0.5	5	FRANCE. ML 2.1 (GEN).
03	19	29	13.5*	33.295 S	70.048 W	10 G		1.4	10	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
03	21	20	30.0&	15.939 N	120.986 E	10 G		1.1	6	LUZON, PHILIPPINE ISLANDS
03	21	23	11.2	40.388 N	28.967 E	10 G		0.5	6	TURKEY. ML 2.7 (ISK).
03	22	14	21.2&	39.295 N	27.841 E	10 G		0.3	9	TURKEY. ML 2.9 (ISK).
03	22	59	35.6&	60.070 N	152.838 W	94			88	SOUTHERN ALASKA. <AEIC>.
03	23	00	26.2	39.165 N	25.968 E	10 G		0.8	11	AEGEAN SEA. MD 3.5 (ATH). ML 3.5 (ISK).
03	23	55	12.6*	40.432 N	125.754 W	10 G		0.5	34	OFF COAST OF NORTHERN CALIFORNIA. MD 3.2 (GM).
03	23	58	43.0&	40.400 N	125.650 W	10 G			3	OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. MD 2.9 (GM). Held to mainshock location.
04	00	51	08.7&	60.298 N	141.132 W	12			22	SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.5 (PGC).
04	01	19	09.5*	35.657 N	140.291 E	89 *	4.9	1.2	20	NEAR EAST COAST OF HONSHU, JAPAN
04	01	21	25.3*	41.968 N	126.429 W	10 G		0.5	16	OFF COAST OF NORTHERN CALIFORNIA
04	01	51	52.0*	7.206 S	129.256 E	98 ?	4.5	1.0	14	BANDA SEA
04	02	28	02.1	37.471 N	69.971 E	33 N	4.9	1.0	80	AFGHANISTAN-TAJIKISTAN BORD REG.
04	02	28	25.5	8.701 S	74.569 W	146 D	4.6	0.9	67	PERU-BRAZIL BORDER REGION
04	03	45	43.0&	40.400 N	125.650 W	10 G			4	OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. MD 3.0 (GM). Held to mainshock location.
04	04	01	28.6?	20.38 S	167.07 E	33 N	4.4	1.4	5	LOYALTY ISLANDS
04	06	07	14.4?	44.72 N	151.78 E	33 N	4.5	0.8	16	EAST OF KURIL ISLANDS
04	06	41	31.5?	43.79 N	6.48 E	10 G		0.4	4	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG).
04	06	46	52.8*	36.019 N	1.045 W	10 G		0.8	8	WESTERN MEDITERRANEAN SEA. mbLg 3.4 (MDD).
04	07	15	03.4	36.517 N	70.445 E	194 *	4.9	0.7	42	HINDU KUSH REGION, AFGHANISTAN
04	07	26	51.7	44.395 N	7.443 E	10 G		0.6	14	NORTHERN ITALY. ML 2.4 (GEN), 1.8 (LDG).
04	07	30	26.9*	35.049 N	26.010 E	45 *	3.8	1.3	20	CRETE. MD 4.0 (ATH).
04	07	34	39.4&	50.553 N	130.402 W	10 G	3.6		44	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.7 (PGC).
04	09	30	59.7?	45.75 N	26.45 E	165 ?		0.5	8	ROMANIA
04	09	39	50.9?	39.17 N	27.66 E	10 G		0.1	4	TURKEY. ML 2.8 (ISK).
04	09	49	01.5*	52.351 N	160.068 E	33 N	4.3	1.1	15	OFF EAST COAST OF KAMCHATKA
04	10	01	26.9?	45.57 N	26.33 E	130 G		1.3	6	ROMANIA
04	10	12	11.6?	39.09 N	27.68 E	5 G		0.7	4	TURKEY. ML 2.7 (ISK).
04	10	33	39.5*	23.693 N	124.645 E	64 ?	4.7	1.4	21	SOUTHWESTERN RYUKYU ISLANDS
04	10	48	53.1?	40.35 N	125.80 W	10 G		0.8	9	OFF COAST OF NORTHERN CALIFORNIA. ML 3.4 (GS). MD 3.5 (GM).
04	11	25	14.4&	44.327 N	6.381 E	10 G		0.1	6	FRANCE. ML 1.7 (LDG).
04	11	49	32.0*	42.576 N	21.431 E	10 G		0.7	12	NORTHWESTERN BALKAN REGION. ML 3.4 (TTG).
04	12	13	30.9*	8.001 S	127.697 E	143 *	4.0	0.7	13	TIMOR REGION, INDONESIA
04	12	29	37.0	41.976 N	142.213 E	73	4.8	0.7	75	HOKKAIDO, JAPAN REGION
04	13	01	23.2	30.564 S	124.194 E	10 G		1.2	11	WESTERN AUSTRALIA
a 04	13	33	25.9	11.260 S	166.434 E	135 D	5.1	1.0	47	SANTA CRUZ ISLANDS. Mw 5.4 (HRV).
04	14	48	42.8	46.944 N	0.259 W	5 G		1.0	10	FRANCE. ML 2.8 (LDG).
a 04	14	50	34.3	35.941 N	100.080 E	11 D	5.3 4.4	1.0	192	QINGHAI, CHINA. Mw 5.2 (HRV).
04	15	38	25.8*	40.384 N	125.535 W	10 G		0.8	22	OFF COAST OF NORTHERN CALIFORNIA. MD 3.1 (GM).
04	16	43	22.3&	30.195 N	114.556 W	31			6	GULF OF CALIFORNIA. <ECX-P>. MD 3.6 (ECX).
04	16	43	31.4?	43.28 N	7.17 E	5 G		0.1	4	NEAR SOUTH COAST OF FRANCE. ML 1.8 (LDG).
04	17	44	20.1	14.600 N	60.722 W	33 N		0.5	10	WINDWARD ISLANDS. MD 3.2 (TRN). ML 2.7 (FDF).
04	18	38	53.8	41.159 N	21.363 E	10 G		1.0	12	NORTHWESTERN BALKAN REGION. ML 3.3 (TTG). MD 3.3 (ATH).
04	19	28	28.4?	40.32 N	30.88 E	10 G		0.8	5	TURKEY. ML 2.7 (ISK).
04	20	13	39.2*	32.243 N	104.364 E	33 N	4.7	1.3	17	SICHUAN, CHINA
04	21	07	09.8?	45.65 N	26.48 E	170 ?		0.2	7	ROMANIA
04	21	12	07.0&	40.400 N	125.650 W	10 G			3	OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. MD 3.1 (GM). Held to mainshock location.
04	21	38	59.8	1.906 N	95.046 E	33 N	5.0	0.7	65	OFF W COAST OF NORTHERN SUMATERA
04	21	41	16.6?	33.80 S	71.69 W	50 G		0.7	7	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
04	23	45	41.2&	59.408 N	152.462 W	71			40	SOUTHERN ALASKA. <AEIC>.
04	23	51	44.3	38.968 N	31.143 E	10 G		1.0	6	TURKEY. ML 3.2 (ISK).
04	23	55	43.1?	6.70 S	130.51 E	33 N	4.1	0.8	9	BANDA SEA
05	00	01	15.4?	3.33 N	128.09 E	33 N	4.4	0.2	7	NORTH OF HALMAHERA, INDONESIA
05	00	52	20.3&	57.208 N	153.349 W	55			43	KODIAK ISLAND REGION. <AEIC>. ML 3.4 (AEIC), 3.4 (PMR).
05	01	06	55.3?	3.30 N	124.53 E	33 N	5.1	0.9	18	CELEBES SEA
05	02	16	36.2*	46.457 N	147.850 E	33 N	4.5	0.6	24	NORTHWEST OF KURIL ISLANDS
05	02	30	52.2	7.976 N	124.404 E	422	4.9	0.9	61	MINDANAO, PHILIPPINE ISLANDS
a 05	02	59	41.4	55.987 N	158.436 W	62 D	5.3	0.9	247	ALASKA PENINSULA. Mw 5.1 (HRV). ML 5.2 (PMR). Felt (V) at Chignik; (IV) at Chignik Lagoon and Perryville; (III) at Sand Point.
05	03	05	58.4&	38.993 N	31.284 E	10 G		0.4	8	TURKEY. ML 3.4 (ISK).
05	03	37	58.4?	14.98 S	173.86 W	33 N	4.6	1.1	26	SAMOA ISLANDS REGION
05	04	10	55.5	51.971 N	131.352 W	10 G	4.0	1.2	47	QUEEN CHARLOTTE ISLANDS REGION. ML 4.3 (PGC).
05	04	52	45.8&	42.850 N	18.587 E	10 G		0.4	5	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
05	05	09	48.1	37.916 N	21.824 E	65 *	4.0	1.2	56	SOUTHERN GREECE. MD 4.1 (ATH).
05	05	20	30.1	54.060 N	156.883 W	33 N	4.7	0.8	73	SOUTH OF ALASKA. ML 4.7 (AEIC), 4.5 (PMR).
05	05	26	15.0	29.419 N	51.283 E	33 N	5.0	0.9	45	SOUTHERN IRAN
a 05	07	15	05.2*	12.030 S	166.166 E	33 N	5.1 4.7	1.1	31	SANTA CRUZ ISLANDS. Mw 5.2 (HRV).
05	07	15	27.8&	39.100 N	27.665 E	10 G		0.2	5	TURKEY. ML 2.8 (ISK).
05	07	19	12.5*	15.831 N	60.562 W	33 N		0.4	9	LEEWARD ISLANDS

05	07 58 39.3?	40.66 N	30.16 E	10 G		1.5	5	TURKEY. ML 2.7 (ISK).
05	08 05 03.4?	33.49 S	70.35 W	100 G		0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
05	08 20 54.1%	39.219 N	27.772 E	10 G		0.3	5	TURKEY. ML 2.8 (ISK).
05	09 17 56.5%	40.017 N	28.077 E	10 G		0.6	7	TURKEY. ML 2.8 (ISK).
05	09 44 29.6%	39.663 N	29.433 E	10 G		0.9	5	TURKEY. ML 2.7 (ISK).
05	09 53 49.7?	29.85 N	36.17 E	10 G		0.8	7	WESTERN ARABIAN PENINSULA. MD 3.4 (RYD).
05	09 57 43.9?	14.03 S	76.52 W	33 N		0.9	6	NEAR COAST OF PERU. Felt (III) at Chincha and Pisco; (II) at Ica.
05	10 49 08.4?	31.81 S	69.12 W	100 G		1.2	9	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
05	11 25 50.8	39.106 N	27.777 E	10 G		1.0	31	TURKEY. ML 3.8 (ISK). MD 4.0 (ATH).
05	12 27 39.9%	39.209 N	27.753 E	10 G		0.3	5	TURKEY. ML 2.8 (ISK).
05	12 42 03.0?	34.57 S	70.35 W	10 G		0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
05	12 43 39.1?	18.18 S	179.06 W	667 ?	4.9	0.8	23	FIJI ISLANDS REGION
05	14 08 51.2%	62.947 N	148.610 W	78			71	CENTRAL ALASKA. <AEIC>.
05	14 13 52.2*	43.861 N	69.232 W	5 G		0.5	6	GULF OF MAINE. mbLg 3.0 (GS), 3.1 (OTT).
05	14 29 09.7?	37.27 N	3.69 W	10 G		0.6	4	SPAIN. mbLg 2.1 (MDD).
05	17 23 56.5%	63.246 N	150.517 W	130			93	CENTRAL ALASKA. <AEIC>.
05	17 51 40.3%	46.646 N	0.158 W	10 G		1.3	8	FRANCE. ML 2.3 (LDG).
05	19 13 17.6	41.905 N	46.231 E	62	4.7	1.0	82	EASTERN CAUCASUS. Felt (III) at Belokany and Zakataly.
05	20 13 05.8*	42.242 N	46.434 E	146 *	3.8	0.4	6	EASTERN CAUCASUS
05	22 13 05.9	44.447 N	7.299 E	10 G		0.3	10	NORTHERN ITALY. ML 2.1 (GEN), 1.9 (LDG).
a 05	22 13 47.8	46.782 N	155.226 E	12 G	5.9	0.8	481	EAST OF KURIL ISLANDS. Mw 5.6 (GS), 5.6 (HRV). Depth from broadband displacement seismograms.
05	22 28 06.6*	39.585 N	40.209 E	10 G		1.5	11	TURKEY. ML 3.4 (ISK).
05	22 51 09.8%	64.836 N	87.218 W	18 G	4.4		59	NORTHWEST TERRITORIES, CANADA. <OTT>. mbLg 4.2 (OTT).
05	22 55 31.5	47.966 N	7.611 E	10 G		0.6	6	SWITZERLAND. ML 2.1 (LDG).
05	23 31 49.6?	44.44 N	7.32 E	5 G		0.3	4	NORTHERN ITALY. ML 1.9 (GEN).
05	23 37 01.9%	38.944 N	28.031 E	5 G		0.6	7	TURKEY. ML 2.9 (ISK).
05	23 52 17.2?	14.58 S	171.78 E	607 *	5.1	1.0	27	VANUATU ISLANDS REGION
06	00 49 55.5%	36.851 N	5.424 W	10 G		0.4	8	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
06	01 36 26.1%	36.707 N	5.482 W	10 G		0.8	8	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
06	02 00 28.9	36.839 N	5.364 W	19		0.8	25	STRAIT OF GIBRALTAR. mbLg 3.7 (MDD).
06	02 21 34.5	36.823 N	5.332 W	10 G		1.3	15	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
06	02 29 08.9%	36.815 N	5.452 W	10 G		0.5	5	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
06	03 39 32.5%	36.837 N	5.400 W	10 G		0.5	6	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
06	03 48 37.6	38.078 N	112.327 W	5 G	3.9	0.7	44	UTAH. ML 4.3 (GS). Felt (IV) at Circleville and Kingston. Felt (III) at Junction.
06	04 04 41.0	26.849 S	26.707 E	5 G		1.3	13	REPUBLIC OF SOUTH AFRICA. ML 3.8 (PRE). mbLg 4.0 (BUL).
06	04 16 28.4	14.349 N	61.672 W	80 G		1.1	14	WINDWARD ISLANDS. MD 3.7 (TRN).
06	04 26 57.5%	63.060 N	148.419 W	78			52	CENTRAL ALASKA. <AEIC>.
06	04 41 58.6*	18.821 S	177.780 W	642 *	4.7	1.0	49	FIJI ISLANDS REGION
06	04 42 12.0*	32.377 S	70.481 W	104 ?		0.3	11	CHILE-ARGENTINA BORDER REGION. Felt (IV) at San Felipe; (II) at Los Andes and Nogales, Chile.
06	05 03 16.0?	36.89 N	5.43 W	10 G		0.6	4	STRAIT OF GIBRALTAR. mbLg 2.0 (MDD).
06	05 11 16.5%	26.870 S	26.775 E	5 G		1.0	7	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
06	06 50 10.9%	36.853 N	5.475 W	10 G		1.4	5	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
06	07 25 51.6	40.419 N	25.757 E	16	3.4	1.0	40	AEGEAN SEA. ML 4.0 (ATH), 4.0 (ISK).
06	07 30 57.2%	40.849 N	28.294 E	10 G		0.6	6	TURKEY. ML 3.0 (ISK).
06	07 51 36.8%	39.209 N	27.729 E	10 G		0.2	5	TURKEY. ML 2.8 (ISK).
06	08 22 34.6%	26.410 S	27.430 E	10 G		1.1	6	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
06	08 51 23.8?	39.12 N	27.56 E	5 G		0.6	4	TURKEY. ML 2.8 (ISK).
06	08 54 04.3?	39.13 N	27.67 E	10 G		0.1	4	TURKEY. ML 2.7 (ISK).
06	09 08 42.6%	39.653 N	29.451 E	10 G		0.6	7	TURKEY. ML 2.8 (ISK).
06	09 12 30.7?	39.59 N	29.45 E	10 G		0.5	6	TURKEY. ML 2.8 (ISK).
06	09 19 13.4?	39.64 N	29.31 E	10 G		0.3	4	TURKEY. ML 2.7 (ISK).
06	09 37 36.4	40.133 N	144.624 E	33 D	4.6	1.2	28	OFF EAST COAST OF HONSHU, JAPAN
06	09 43 14.5%	39.076 N	27.725 E	10 G		0.4	5	TURKEY. ML 2.8 (ISK).
06	09 48 19.8?	40.93 N	28.65 E	5 G		0.5	4	TURKEY. ML 2.7 (ISK).
06	10 00 02.9	36.484 N	140.573 E	67	4.9	0.9	39	NEAR EAST COAST OF HONSHU, JAPAN
06	10 07 16.5	40.170 N	144.589 E	33 N	4.7	1.1	49	OFF EAST COAST OF HONSHU, JAPAN
a 06	12 29 31.6*	34.270 S	179.537 E	33 N	5.2	1.2	29	SOUTH OF KERMADec ISLANDS. Mw 5.6 (HRV).
06	13 05 29.7*	34.158 S	179.141 E	33 N	4.5	0.9	9	SOUTH OF KERMADec ISLANDS
06	13 27 18.7*	34.116 S	179.470 E	33 N	4.6	0.9	13	SOUTH OF KERMADec ISLANDS
06	13 32 13.5%	38.949 N	26.612 E	10 G		0.5	5	AEGEAN SEA. ML 3.1 (ISK).
06	13 55 03.0	7.051 N	126.718 E	88	5.1	1.0	77	MINDANAO, PHILIPPINE ISLANDS
06	14 10 10.5*	40.510 N	125.165 W	10 G		0.8	23	OFF COAST OF NORTHERN CALIFORNIA. ML 2.6 (GS). MD 2.8 (GM).
06	14 36 17.8*	16.126 N	97.587 W	27	3.9	1.1	13	OAXACA, MEXICO
06	14 51 04.8%	32.762 N	118.384 W	6 G			6	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.1 (GS).
06	15 29 51.5%	36.154 N	120.504 W	2			81	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.1 (BRK), 3.1 (GS). MD 3.3 (GM).
06	15 36 23.9?	17.41 N	94.46 W	255 ?	4.3	0.8	7	CHIAPAS, MEXICO
06	15 56 42.6	42.968 N	18.139 E	10 G		0.4	8	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
06	16 38 15.6*	22.944 S	177.153 W	186 ?	5.3	1.0	42	SOUTH OF FIJI ISLANDS
06	17 31 52.2?	42.62 N	142.70 E	33 N	5.0	0.5	13	HOKKAIDO, JAPAN REGION
06	17 40 27.1?	7.47 N	126.82 E	101 ?	3.5	0.6	7	MINDANAO, PHILIPPINE ISLANDS
06	17 46 07.4%	36.792 N	5.369 W	10 G		0.7	12	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
06	18 12 01.1%	26.382 S	27.470 E	5 G		1.3	7	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
06	18 57 28.3%	44.432 N	7.302 E	10 G		0.3	10	NORTHERN ITALY. ML 2.2 (GEN).
06	19 09 04.7?	46.24 N	152.83 E	33 N		0.4	17	KURIL ISLANDS
06	19 13 31.3*	1.344 N	132.510 E	33 N	4.9	1.1	15	IRIAN JAYA REGION, INDONESIA
06	20 11 40.8	45.526 N	26.565 E	135	3.8	1.4	50	ROMANIA
06	22 14 46.5*	6.880 S	142.954 E	33 N	4.1	1.5	6	NEW GUINEA, PAPUA NEW GUINEA
06	22 47 06.4%	61.821 N	149.946 W	38			58	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.7 (PMR).
07	00 28 37.1	16.778 N	61.243 W	33 N		0.5	7	LEEWARD ISLANDS. ML 2.4 (FDF).
07	00 45 18.9%	39.274 N	29.105 E	5 G		0.6	10	TURKEY. ML 3.0 (ISK).
07	01 02 28.8	35.395 N	3.790 W	10 G		0.8	15	STRAIT OF GIBRALTAR. mbLg 3.4 (MDD).
07	02 10 45.2	40.209 N	21.762 E	14	3.7	0.9	23	GREECE. ML 3.7 (ATH), 3.4 (TTG).
07	02 41 27.3*	36.443 N	2.790 W	10 G		1.2	13	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD). Felt (III) in the Adra area, Spain.
07	03 48 17.1	31.967 N	130.973 E	30	4.7	1.2	26	KYUSHU, JAPAN
07	03 54 03.9	32.034 N	130.902 E	32	5.1 4.6	1.0	112	KYUSHU, JAPAN

07	06	02	23.2	40.176	N	27.222	E	10	G	1.0	23	TURKEY. ML 3.5 (ISK). MD 3.4 (ATH).		
07	06	17	17.2%	47.249	N	2.853	E	10	G	0.4	9	FRANCE. ML 2.0 (LDG).		
07	06	44	36.7%	39.204	N	27.885	E	5	G	0.5	14	TURKEY. ML 3.2 (ISK).		
07	07	20	13.7?	47.54	N	1.95	W	5	G	1.0	5	FRANCE. ML 2.2 (LDG).		
07	08	55	54.5	44.439	N	7.334	E	5	G	0.3	12	NORTHERN ITALY. ML 2.2 (LDG), 2.1 (GEN).		
07	09	01	28.2%	26.372	S	27.327	E	5	G	1.1	8	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).		
07	09	23	49.0*	59.724	S	26.412	W	33	N	3.6	0.5	9	SOUTH SANDWICH ISLANDS REGION	
07	09	26	43.2*	40.968	N	21.465	E	10	G	0.7	12	GREECE. ML 3.0 (TTG), 2.4 (TIR).		
07	11	01	57.7*	56.802	N	156.497	W	33	N	1.2	9	ALASKA PENINSULA. ML 3.1 (PMR).		
07	12	02	04.2*	31.673	S	68.372	W	122	*	4.5	1.2	9	SAN JUAN PROVINCE, ARGENTINA	
07	12	50	34.7%	61.644	N	151.110	W	61			78	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.1 (PMR).		
07	13	22	20.7	41.056	N	21.406	E	10	G	0.5	13	NORTHWESTERN BALKAN REGION. ML 3.1 (TTG).		
a 07	13	56	25.2	38.491	N	90.345	E	33	N	5.1	4.7	1.2	95	SOUTHERN XINJIANG, CHINA. Mw 5.2 (HRV).
07	15	08	28.8*	28.816	N	129.252	E	33	N	3.1	1.0	6	RYUKYU ISLANDS	
07	16	56	59.7%	47.350	N	4.940	E	10	G	0.3	6	FRANCE. ML 1.8 (LDG).		
07	17	01	56.5*	4.747	S	143.336	E	118	*	4.6	0.6	10	NEW GUINEA, PAPUA NEW GUINEA	
07	17	41	32.3	35.250	N	3.963	W	10	G	1.4	10	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).		
07	18	21	01.2*	10.696	S	113.435	E	33	N	4.5	1.4	12	SOUTH OF JAWA, INDONESIA	
07	18	40	52.6%	62.750	N	150.692	W	103		4.4	120	CENTRAL ALASKA. <AEIC>. Felt (III) at Skwentna and (II) at Talkeetna.		
07	18	43	33.8*	10.660	S	113.586	E	136	?	0.9	7	SOUTH OF JAWA, INDONESIA		
07	18	45	01.8	43.732	N	20.537	E	10	G	1.0	16	NORTHWESTERN BALKAN REGION. ML 2.8 (TTG).		
07	18	48	24.6*	10.699	S	113.444	E	33	N	5.0	1.2	15	SOUTH OF JAWA, INDONESIA	
07	18	48	45.4?	44.46	N	7.18	E	5	G	0.0	4	NORTHERN ITALY. ML 1.8 (GEN).		
07	19	08	35.8	47.159	N	10.245	E	10	G	0.9	14	AUSTRIA. ML 2.7 (LDG), 2.3 (VIE). Felt (III) in the Lech area.		
07	19	09	59.9%	37.514	N	121.262	W	3			110	CENTRAL CALIFORNIA. <GM-P>. MD 4.1 (GM). ML 4.1 (BRK). Felt (IV) at Ceres, Patterson, Tracy and Vernalis; (III) at Crows Landing, Oakdale, Sonora and Westley; (II) at Firebaugh. Also felt in the Modesto area.		
07	19	31	24.0	47.081	N	154.156	E	33	N	4.6	1.4	39	KURIL ISLANDS	
07	19	45	55.3	45.351	N	151.026	E	40	D	5.1	0.9	124	KURIL ISLANDS	
07	21	08	29.2%	35.038	N	116.999	W	5			27	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.4 (GS).		
07	21	45	57.5?	8.85	N	126.18	E	33	N		0.6	4	MINDANAO, PHILIPPINE ISLANDS	
07	22	34	30.6%	35.995	N	120.552	W	5			59	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.2 (GS), 3.0 (BRK), 3.0 (PAS).		
07	23	47	02.6	43.944	N	7.873	E	5	G	0.5	12	NEAR SOUTH COAST OF FRANCE. ML 2.2 (GEN), 1.9 (LDG).		
08	00	11	40.4%	44.258	N	8.209	E	5	G	0.4	6	NORTHERN ITALY. ML 1.8 (GEN).		
08	00	30	00.6	43.450	N	17.373	E	10	G	1.1	11	NORTHWESTERN BALKAN REGION. ML 2.9 (TTG).		
08	01	35	43.1?	37.38	N	1.06	W	5	G	1.2	5	SPAIN. mbLg 2.8 (MDD). Felt (III) in the epicentral area.		
08	01	36	08.0	15.727	N	60.474	W	25		0.3	13	LEEWARD ISLANDS. MD 3.4 (TRN). ML 3.0 (FDF).		
08	02	12	42.2*	23.987	N	122.810	E	33	N	4.6	0.9	13	TAIWAN REGION	
08	02	30	09.2	26.622	S	63.337	W	558		4.9	0.9	132	SANTIAGO DEL ESTERO PROV., ARG.	
08	03	26	52.7	44.010	N	10.611	E	33	N		1.1	30	NORTHERN ITALY. ML 3.0 (LDG).	
08	03	33	21.0%	67.924	N	158.854	W	10	G		30	NORTHERN ALASKA. <AEIC>. ML 3.5 (AEIC).		
08	04	46	30.8	43.642	N	110.220	W	5	G	0.8	12	WYOMING. ML 3.0 (GS).		
08	05	07	07.6%	63.003	N	150.702	W	110			47	CENTRAL ALASKA. <AEIC>.		
a 08	05	21	58.7	11.911	S	166.234	E	26	D	5.4	5.2	1.0	61	SANTA CRUZ ISLANDS. Mw 5.6 (HRV). Ms 5.3 (BRK).
08	05	34	33.8*	40.594	N	30.147	E	5	G	0.3	8	TURKEY. ML 3.1 (ISK).		
08	06	49	23.2*	41.052	N	21.163	E	5	G	1.1	14	NORTHWESTERN BALKAN REGION. ML 3.1 (TTG), 2.7 (TIR).		
08	07	36	43.3?	40.67	N	126.94	W	10	G	0.6	9	OFF COAST OF NORTHERN CALIFORNIA. ML 3.3 (GS).		
08	07	53	17.9*	5.378	S	153.810	E	10	G	4.8	1.1	22	NEW IRELAND REGION, P.N.G.	
08	08	17	25.6?	39.18	N	27.14	E	5	G	0.7	4	TURKEY. ML 2.9 (ISK).		
a 08	08	50	42.3	0.540	N	126.173	E	52	D	5.7	1.3	175	NORTHERN MOLUCCA SEA. Mw 5.7 (HRV). Felt on Ternate.	
08	09	20	57.4	37.125	N	69.949	E	33	N	4.9	0.9	50	AFGHANISTAN-TAJIKISTAN BORD REG.	
08	09	25	23.9?	40.76	N	127.55	W	10	G		0.7	12	OFF COAST OF NORTHERN CALIFORNIA. ML 3.6 (GS).	
08	09	26	21.6?	8.12	S	122.57	E	209	?	4.6	0.9	7	FLORES REGION, INDONESIA	
08	09	36	16.2	15.337	S	70.169	W	223		4.5	1.2	63	SOUTHERN PERU	
08	09	49	32.6	40.830	N	127.280	W	10	G	4.3	1.1	69	OFF COAST OF NORTHERN CALIFORNIA. ML 4.2 (GS).	
08	09	52	20.0	40.784	N	127.425	W	10	G	4.7	5.0	1.0	103	OFF COAST OF NORTHERN CALIFORNIA
08	09	57	52.7%	34.316	N	118.454	W	6			54	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.1 (GS).		
08	10	18	42.1?	13.30	N	50.83	E	10	G	4.6	4.4	1.4	11	EASTERN GULF OF ADEN
08	11	02	13.4	51.765	N	156.443	E	33	N	4.4	0.6	22	KAMCHATKA	
08	11	19	26.0	40.762	N	127.659	W	10	G		0.7	33	OFF COAST OF NORTHERN CALIFORNIA. ML 3.8 (GS).	
08	11	44	26.8%	45.548	N	26.318	E	10	G		0.4	7	ROMANIA	
08	11	51	44.3*	41.026	N	21.324	E	5	G	1.1	13	NORTHWESTERN BALKAN REGION. ML 2.9 (TTG), 2.4 (TIR).		
08	12	06	45.1%	39.684	N	29.425	E	10	G		0.8	5	TURKEY. ML 2.8 (ISK).	
08	12	12	50.5?	40.76	N	127.57	W	10	G	1.1	14	OFF COAST OF NORTHERN CALIFORNIA		
08	12	17	52.8%	26.258	S	27.728	E	5	G		0.9	7	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).	
08	12	19	10.9	40.756	N	127.424	W	10	G	4.3	1.1	53	OFF COAST OF NORTHERN CALIFORNIA	
08	12	54	04.1%	26.432	S	27.383	E	5	G		1.2	5	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).	
08	13	07	24.1%	59.723	N	148.072	W	17			73	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.3 (AEIC), 3.5 (PMR).		
08	13	33	36.8	28.030	N	61.837	E	77	D	5.1	1.2	107	SOUTHERN IRAN	
08	14	14	52.6%	42.441	N	19.183	E	10	G		0.7	9	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).	
08	14	53	03.0%	40.400	N	125.650	W	10	G		3	OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. MD 2.9 (GM). Double event. Held to mainshock location.		
08	15	01	09.8*	26.285	S	27.724	E	5	G		1.3	7	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).	
08	15	02	32.3*	42.795	N	146.837	E	33	N	3.7	1.1	10	OFF COAST OF HOKKAIDO, JAPAN	
08	15	48	43.3	43.183	N	18.981	E	10	G		1.0	10	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).	
08	15	51	38.5?	24.86	S	13.77	W	10	G	4.7	1.2	16	SOUTHERN MID-ATLANTIC RIDGE	
08	15	58	25.6*	33.080	S	69.188	W	10	G		0.8	9	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).	
08	16	35	08.3?	12.12	S	165.92	E	33	N	4.5	1.0	7	SANTA CRUZ ISLANDS	
08	16	45	07.4*	5.113	S	151.374	E	156	?	4.7	1.0	12	NEW BRITAIN REGION, P.N.G.	
08	16	45	49.0%	37.470	N	118.562	W	10			28	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.9 (GS).		
08	17	06	51.5*	41.563	N	20.413	E	5	G		0.9	13	ALBANIA. ML 2.5 (TTG).	
08	17	38	06.9	35.688	N	10.242	W	10	G		1.0	34	NORTH ATLANTIC OCEAN. MD 3.7 (RBA). mbLg 3.6 (MDD).	
08	17	41	35.5*	43.999	N	10.661	E	10	G		1.2	17	CENTRAL ITALY. ML 3.0 (LDG).	
08	18	16	34.9	34.789	N	5.463	W	33	N	3.0	1.1	16	MOROCCO. MD 3.5 (RBA). mbLg 2.9 (MDD).	
08	18	57	28.4%	34.011	N	116.780	W	12			7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).		
08	19	07	37.3	58.825	N	142.883	W	10	G		0.6	34	GULF OF ALASKA. ML 2.5 (AEIC).	

08	19	14	09.7?	40.27	N	26.18	E	10	G		0.2	5	TURKEY. ML 2.8 (ISK).
08	19	29	10.1*	7.313	S	125.864	E	33	N	4.5	1.1	12	BANDA SEA
08	20	11	50.9%	40.421	N	28.802	E	10	G		0.5	8	TURKEY. ML 2.6 (ISK).
08	20	19	52.8*	41.941	N	19.142	E	10	G		0.5	9	ALBANIA. ML 2.4 (TTG).
08	20	24	49.0%	11.278	N	61.874	W	10	G		0.8	5	WINDWARD ISLANDS. MD 3.1 (TRN).
08	20	27	28.0?	45.56	N	26.52	E	154	?		0.9	11	ROMANIA
08	20	44	44.3*	40.388	N	21.540	E	10	G	3.5	1.4	6	GREECE. ML 3.8 (ATH).
08	21	36	21.1*	33.213	S	70.362	W	5	G		0.4	7	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
08	22	36	14.7*	16.922	S	167.142	E	33	N	4.6	1.1	7	VANUATU ISLANDS
08	22	49	52.9*	37.033	N	32.651	W	10	G	4.8 4.2	0.9	20	AZORES ISLANDS REGION
08	23	06	06.2%	60.775	N	151.676	W	71		3.4		90	KENAI PENINSULA, ALASKA. <AEIC>.
09	00	49	13.6	40.196	N	21.653	E	10	G		1.1	10	GREECE. MD 3.3 (ATH). ML 2.9 (TIR).
a 09	01	06	54.7	16.448	S	172.415	W	32	D	5.2 5.1	1.1	95	SAMOA ISLANDS REGION. Mw 5.4 (HRV).
09	01	35	52.4?	20.87	S	175.38	W	255	?	4.0	0.7	12	TONGA ISLANDS
09	02	27	29.7	4.119	S	142.132	E	127		5.0	0.9	30	NEW GUINEA, PAPUA NEW GUINEA
09	03	36	43.6	32.837	S	70.121	W	110	G		0.4	11	CHILE-ARGENTINA BORDER REGION. MD 4.4 (SAN).
09	04	16	15.7*	5.056	N	127.351	E	87	*	4.6	1.0	15	PHILIPPINE ISLANDS REGION
09	04	58	07.5%	44.460	N	7.260	E	10	G		0.4	8	NORTHERN ITALY. ML 2.3 (GEN).
09	06	42	19.7?	12.05	S	166.36	E	33	N	4.4	1.2	7	SANTA CRUZ ISLANDS
09	07	07	26.0?	38.91	N	28.23	E	10	G		0.7	4	TURKEY. ML 2.8 (ISK).
09	07	52	17.0%	40.400	N	125.650	W	10	G			5	OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. MD 3.0 (GM). ML 2.8 (GS). Held to mainshock location.
09	08	08	57.2	42.414	N	126.725	W	10	G	3.8	0.6	56	OFF COAST OF OREGON
09	08	12	50.0?	39.64	N	29.40	E	5	G		0.5	5	TURKEY. ML 2.7 (ISK).
09	08	20	51.6	42.343	N	126.934	W	10	G	3.6	0.7	24	OFF COAST OF OREGON
09	08	56	49.8?	14.16	N	91.46	W	70	?	4.1	1.1	20	GUATEMALA
09	09	01	10.1*	39.185	N	27.774	E	10	G		0.7	5	TURKEY. ML 2.8 (ISK).
09	09	18	29.6%	33.614	S	70.980	W	60	G		0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
a 09	09	32	34.8	11.915	S	166.213	E	33	N	5.1 4.8	1.1	55	SANTA CRUZ ISLANDS. Mw 5.4 (HRV). Ms 4.9 (BRK).
09	09	44	18.4%	39.696	N	29.494	E	10	G		0.9	7	TURKEY. ML 2.7 (ISK).
09	09	56	41.4*	31.920	S	69.502	W	150	G		1.3	12	SAN JUAN PROVINCE, ARGENTINA. MD 4.5 (SAN).
09	10	50	39.1%	36.721	N	7.824	W	33	N		0.9	27	STRAIT OF GIBRALTAR. MD 4.1 (MDD).
09	12	52	06.8	40.661	N	20.766	E	10	G		0.5	12	GREECE-ALBANIA BORDER REGION. ML 3.1 (TTG), 2.8 (TIR).
09	13	38	43.3%	39.788	N	29.429	E	10	G		0.5	6	TURKEY. ML 2.8 (ISK).
09	13	50	04.1*	36.739	N	70.297	E	33	N	4.8	1.4	15	HINDU KUSH REGION, AFGHANISTAN
09	14	14	27.9?	6.97	S	147.21	E	33	N	4.1	1.3	5	EASTERN NEW GUINEA REG., P.N.G. ML 4.1 (PMG).
09	15	19	56.5*	31.312	S	71.353	W	10	G		0.7	10	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
09	16	18	20.2*	40.417	N	125.992	W	10	G		0.9	33	OFF COAST OF NORTHERN CALIFORNIA. ML 3.8 (GS), 3.6 (BRK). MD 3.8 (GM).
09	17	49	06.9*	22.953	N	121.314	E	33	N	4.3	1.2	12	TAIWAN REGION
09	18	45	04.6*	1.895	N	128.347	E	120	G	5.4	1.1	28	HALMAHERA, INDONESIA
09	19	29	47.0%	40.400	N	125.650	W	10	G			5	OFF COAST OF NORTHERN CALIFORNIA. <SPEC>. MD 3.0 (GM). ML 3.0 (GS). Held to mainshock location.
09	19	37	18.1%	62.007	N	149.792	W	42				68	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 2.8 (PMR).
09	19	48	14.6?	15.40	N	60.84	W	33	N		0.8	5	LEEWARD ISLANDS. ML 2.8 (FDF).
09	19	55	43.8%	60.092	N	152.877	W	100				66	SOUTHERN ALASKA. <AEIC>.
09	20	06	40.6	39.555	N	111.505	W	5	G		1.2	13	UTAH. ML 3.5 (GS). Felt in the Mt. Pleasant area.
09	20	11	49.3*	39.503	N	111.577	W	5	G		0.9	5	UTAH. ML 2.8 (GS).
09	20	13	28.5%	39.500	N	111.500	W	5	G			3	UTAH. <SPEC>. ML 2.9 (GS). Multiple event. Held to mainshock location.
09	20	43	00.8	39.448	N	111.527	W	5	G		0.8	9	UTAH. ML 2.6 (GS).
09	21	26	32.9	40.403	N	28.601	E	10	G		0.4	14	TURKEY. ML 3.3 (ISK).
09	21	28	01.2?	4.20	S	142.97	E	73	?	4.2	1.2	8	NEW GUINEA, PAPUA NEW GUINEA
09	22	49	12.4%	10.935	N	62.312	W	80	G		0.2	8	NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
09	23	13	55.1	26.425	S	27.427	E	5	G		0.9	8	REPUBLIC OF SOUTH AFRICA. mblg 3.6 (BUL).
09	23	26	10.2%	59.989	N	152.836	W	98				77	SOUTHERN ALASKA. <AEIC>.
09	23	39	08.4	40.334	N	29.628	E	10	G		0.4	11	TURKEY. ML 2.9 (ISK).
09	23	51	12.3*	31.664	S	71.875	W	33	N	4.6	0.9	11	NEAR COAST OF CENTRAL CHILE
10	00	13	53.7*	5.388	N	126.323	E	33	N	4.8	1.1	15	MINDANAO, PHILIPPINE ISLANDS
10	00	53	44.6%	63.056	N	150.936	W	138		3.3		79	CENTRAL ALASKA. <AEIC>.
10	00	57	56.1%	57.892	N	150.932	W	10	G	4.3		107	GULF OF ALASKA. <AEIC>. ML 4.4 (AEIC), 4.4 (PMR).
10	01	13	29.1%	44.553	N	7.338	E	5	G		0.4	8	NORTHERN ITALY. ML 2.1 (GEN).
10	01	14	00.8%	56.008	N	153.766	W	10	G	3.8		59	KODIAK ISLAND REGION. <AEIC>. ML 4.0 (AEIC), 4.0 (PMR).
a 10	01	24	09.4	83.688	N	2.275	W	10	G	5.0 4.8	1.2	103	NORTH OF SVALBARD. Mw 5.2 (HRV). Ms 4.9 (BRK).
a 10	04	54	10.4	7.552	N	126.599	E	79		5.6	1.0	281	MINDANAO, PHILIPPINE ISLANDS. Mw 5.6 (HRV). Felt (III RF) at Bislig.
10	05	01	11.1%	44.620	N	7.259	E	5	G		0.5	10	NORTHERN ITALY. ML 2.1 (GEN).
10	06	09	02.6?	34.64	S	70.27	W	5	G		0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
10	06	16	51.0*	21.887	S	170.540	E	33	N	4.2	1.2	11	LOYALTY ISLANDS REGION
10	06	33	41.7	39.468	N	111.520	W	5	G		0.9	20	UTAH. ML 3.7 (GS). Multiple event. Felt (IV) at Wales and (III) at Spring City.
10	06	33	57.1?	41.65	N	19.68	E	10	G		0.6	9	ALBANIA. ML 2.7 (TTG).
10	06	49	56.4	39.145	N	29.414	E	10	G		0.6	17	TURKEY. ML 3.6 (ISK).
10	07	29	34.6%	61.756	N	149.400	W	34				62	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
10	07	42	21.6	39.428	N	111.549	W	5	G		1.0	12	UTAH. ML 2.8 (GS).
10	07	43	11.3%	47.186	N	121.959	W	18		3.8		66	WASHINGTON. <SEA-P>. MD 3.9 (SEA). ML 4.1 (GS). Felt (IV) at Aub, Black Diamond, Buckley, Carbonado, Chester, Enumclaw, Maple Valley, Milton, Orting, Preston, Ravendale and Wilkeson; (III) at Auburn, Ephraim, Fircrest, Graham, Moroni, Olympia, Poulsbo, South Prairie, Sumner and Tacoma; (II) at Marysville and Pacific.
10	07	49	51.8*	39.228	N	27.722	E	10	G		0.1	5	TURKEY. ML 2.7 (ISK).
10	08	03	39.3%	33.212	N	116.063	W	8				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
10	08	13	42.0*	39.141	N	27.502	E	10	G		0.2	5	TURKEY. ML 2.7 (ISK).
10	09	23	33.2	39.496	N	111.508	W	5	G		0.8	18	UTAH. ML 3.6 (GS).
10	09	30	55.0%	39.635	N	29.527	E	10	G		0.6	8	TURKEY. ML 2.7 (ISK).
10	09	32	19.8*	37.469	S	176.838	E	33	N	5.0	1.1	49	NORTH ISLAND, NEW ZEALAND. Felt in southern and central North Island.
10	09	48	58.0?	34.47	S	70.27	W	5	G		0.3	6	CHILE-ARGENTINA BORDER REGION
10	09	57	10.1	39.478	N	111.566	W	5	G		1.4	9	UTAH. ML 2.6 (GS).
10	11	16	29.3	51.494	N	16.145	E	12			0.8	22	POLAND. ML 3.9 (GRF), 3.8 (VIE), 3.6 (FUR).
10	11	33	16.0*	51.394	N	15.796	E	10	G		0.4	9	POLAND. ML 3.5 (VIE), 3.5 (GRF).

10	12	03	50.0%	26.353 S	27.622 E	5 G	1.0	7	REPUBLIC OF SOUTH AFRICA
10	12	54	47.1%	39.699 N	29.571 E	10 G	0.4	7	TURKEY. ML 2.8 (ISK).
10	13	33	18.9*	9.051 S	108.527 W	10 G	4.5	29	CENTRAL EAST PACIFIC RISE
a 10	13	34	16.9?	9.21 S	108.72 W	10 G	4.9	1.1	18 CENTRAL EAST PACIFIC RISE. Mw 5.5 (HRV).
10	15	15	15.6%	26.464 S	27.428 E	5 G	1.5	5	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
10	15	32	01.2%	41.469 N	24.722 E	5 G	0.8	9	GREECE-BULGARIA BORDER REGION
10	15	58	08.6?	40.81 N	30.34 E	10 G	0.9	6	TURKEY. ML 2.7 (ISK).
10	17	43	21.7?	33.93 S	71.77 W	33 N	0.6	8	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
10	18	14	43.8	45.799 N	15.332 E	5 G	0.1	6	NORTHWESTERN BALKAN REGION. MD 2.6 (LJU).
10	18	37	40.6*	32.991 S	72.008 W	10 G	0.3	9	OFF COAST OF CENTRAL CHILE. MD 4.4 (SAN).
10	19	57	09.8%	34.119 S	70.302 W	10 G	0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
10	22	50	57.6%	58.036 N	138.262 W	10 G		5	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.5 (PGC).
10	23	32	33.6%	38.331 N	22.176 E	10 G	0.5	5	GREECE. MD 3.3 (ATH).
11	00	20	06.0%	44.528 N	6.806 E	5 G	0.4	9	FRANCE. ML 2.1 (GEN).
11	00	30	58.6?	17.00 N	99.88 W	10 G	1.6	4	GUERRERO, MEXICO
11	01	14	28.3*	19.412 S	175.639 W	261 *	5.0	1.1	22 TONGA ISLANDS
11	01	28	20.4	24.300 N	122.454 E	33 N	4.8	1.0	65 TAIWAN REGION
a 11	01	32	03.2	19.586 N	99.516 E	33 N	5.1 4.6	1.1	158 SOUTHEAST ASIA. Mw 5.2 (HRV). Felt in Chiang Rai Province, Thailand.
11	01	39	03.2%	44.549 N	6.838 E	5 G	0.2	5	FRANCE. ML 2.0 (GEN).
11	03	47	11.6*	16.293 N	100.253 W	33 N	4.2	1.1	33 NEAR COAST OF GUERRERO, MEXICO
11	04	06	41.8	53.338 N	35.336 W	10 G	4.8 4.2	0.9	73 NORTH ATLANTIC OCEAN
11	04	24	54.3?	8.11 S	107.65 E	33 N	4.7	1.2	20 JAWA, INDONESIA
11	04	51	14.2%	40.577 N	28.994 E	10 G		0.8	7 TURKEY. ML 2.7 (ISK).
11	05	15	34.7%	60.096 N	152.914 W	113		103	SOUTHERN ALASKA. <AEIC>.
11	05	59	19.9*	51.716 N	175.085 W	33 N	4.4	0.9	15 ANDREANOF ISLANDS, ALEUTIAN IS.
11	06	14	50.6%	37.090 N	121.505 W	9		43	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 2.9 (GS).
11	06	31	16.9%	44.552 N	6.837 E	5 G		0.4	10 FRANCE. ML 2.2 (GEN).
11	06	32	01.8*	2.852 S	136.220 E	26 D	4.8 4.6	1.3	20 IRIAN JAYA REGION, INDONESIA
11	07	03	48.8%	39.252 N	29.123 E	10 G		0.5	11 TURKEY. ML 3.1 (ISK).
11	07	12	42.6%	40.428 N	125.571 W	30		25	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.6 (GM). ML 3.4 (GS).
11	07	31	17.4*	8.202 N	126.739 E	33 N	4.5	0.5	8 MINDANAO, PHILIPPINE ISLANDS
11	08	00	17.6?	34.56 S	70.28 W	5 G		0.4	7 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
11	08	09	53.2	34.566 N	140.473 E	81 D	5.0	1.0	174 NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Tateyama and on Miyake-jima.
11	08	13	29.7?	47.82 N	7.39 E	10 G		1.4	5 SWITZERLAND. ML 2.4 (LDG).
11	09	06	45.4?	36.33 N	36.74 E	10 G		0.0	4 JORDAN - SYRIA REGION. ML 3.8 (BHL).
11	10	05	43.4%	40.121 N	29.259 E	10 G		0.3	8 TURKEY. ML 2.9 (ISK).
11	10	11	34.4?	5.41 N	126.77 E	33 N	4.9	1.1	15 MINDANAO, PHILIPPINE ISLANDS
11	11	17	25.4%	60.094 N	153.176 W	131		67	SOUTHERN ALASKA. <AEIC>.
a 11	12	01	13.1	16.048 S	166.690 E	33 N	5.6 5.3	1.0	276 VANUATU ISLANDS. Mw 5.7 (HRV). Ms 5.2 (BRK). Mo=5.0*10**17 Nm (PPT).
11	12	13	55.4	29.380 N	142.107 E	21 D	4.8	1.1	34 SOUTH OF HONSHU, JAPAN
11	14	20	18.6?	28.74 N	34.72 E	10 G		1.0	4 EGYPT. MD 3.3 (RYD).
11	14	37	41.8	44.547 N	6.890 E	5 G		0.4	15 FRANCE. ML 2.4 (GEN), 2.2 (LDG).
11	14	46	54.5?	39.61 N	29.46 E	10 G		1.4	5 TURKEY. ML 2.8 (ISK).
a 11	14	52	52.4	51.939 N	178.155 E	99 D	5.1	1.0	236 RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.3 (HRV). Felt (II) on Adak.
11	14	54	38.1?	35.41 S	178.47 W	241 ?		1.3	12 EAST OF NORTH ISLAND, N.Z.
11	15	28	55.4?	40.40 N	28.34 E	10 G		0.1	4 TURKEY. ML 2.7 (ISK).
11	15	45	05.7*	16.789 N	101.595 W	33 N	4.0	1.4	33 NEAR COAST OF GUERRERO, MEXICO
a 11	15	49	54.3	5.197 S	153.219 E	33 N	5.2 4.6	1.1	67 NEW IRELAND REGION, P.N.G. Mw 5.2 (HRV).
11	16	48	44.7*	23.482 S	179.798 E	543 *	4.3	0.9	26 SOUTH OF FIJI ISLANDS
11	19	13	38.5%	44.529 N	6.855 E	5 G		0.4	6 FRANCE. ML 1.9 (GEN).
11	20	35	10.8*	41.849 N	126.731 W	10 G		0.8	34 OFF COAST OF NORTHERN CALIFORNIA
11	21	22	23.0%	58.965 N	153.873 W	11		28	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
11	22	18	36.3?	11.57 S	117.83 E	33 N		0.7	6 SOUTH OF SUMBAWA, INDONESIA
11	23	20	43.0	43.239 N	146.682 E	35 D	4.9 4.3	1.0	77 KURIL ISLANDS
11	23	33	54.3	35.832 N	36.077 E	10 G		0.6	7 JORDAN - SYRIA REGION. ML 3.6 (BHL), 3.3 (CSS).
12	00	13	36.3%	40.697 N	35.359 E	10 G		1.6	6 TURKEY
12	00	16	59.6%	33.764 N	116.952 W	15		56	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS), 3.6 (GS).
12	01	24	00.9%	36.975 N	4.208 W	10 G		0.3	7 STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
12	01	57	19.4	37.531 N	8.227 W	10 G		0.7	17 PORTUGAL. mbLg 3.0 (MDD).
12	03	25	51.5%	44.557 N	7.281 E	10 G		0.3	10 NORTHERN ITALY. ML 2.1 (GEN).
12	03	25	58.6%	33.674 S	118.329 E	10 G		0.6	5 WESTERN AUSTRALIA
12	04	15	55.1?	3.56 S	144.86 E	33 N	4.9	1.0	12 NEAR N COAST OF NEW GUINEA, PNG.
12	04	21	25.6%	40.467 N	125.723 W	1		9	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.7 (GM).
12	06	21	22.3%	63.406 N	151.002 W	12		8	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.7 (PMR).
a 12	06	29	54.9	31.103 S	71.706 W	40 G	5.9 5.7	1.0	332 NEAR COAST OF CENTRAL CHILE. Mw 6.0 (GS), 5.9 (HRV). MD 5.5 (SAN). Mo=1.6*10**18 Nm (PPT). Felt (V) at Coquimbo and La Serena; (IV) at Valparaiso; (III) at Santiago; (II) at Rancagua. Also felt (II) at Mendoza, Argentina. Depth from broadband displacement seismograms.
12	07	12	46.5%	39.063 N	27.683 E	10 G		0.7	5 TURKEY. ML 2.8 (ISK).
12	08	26	06.2%	41.885 N	19.489 E	10 G		0.6	9 ALBANIA. MD 2.2 (TTG).
12	08	30	34.9%	30.981 N	115.776 W	16		8	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.5 (ECX).
12	08	33	50.7?	39.27 N	27.72 E	10 G		0.0	4 TURKEY. ML 2.9 (ISK).
12	08	35	24.9%	44.743 N	6.908 E	5 G		0.7	9 FRANCE. ML 2.1 (GEN).
12	10	16	53.5	43.956 N	7.579 E	10 G		0.4	8 NEAR SOUTH COAST OF FRANCE. ML 2.3 (GEN), 2.3 (LDG).
12	10	34	48.9	51.404 N	178.871 W	56 *	4.6	0.9	55 ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
12	11	01	56.1*	1.345 N	98.053 E	115 ?	4.7	1.2	21 NORTHERN SUMATERA, INDONESIA
12	11	27	12.3*	1.251 N	123.069 E	33 N	4.8	1.3	27 MINAHASSA PENINSULA, SULAWESI
a 12	11	30	14.9	8.910 S	106.476 E	33 N	5.9 5.2	1.2	218 SOUTH OF JAWA, INDONESIA. Mw 5.7 (HRV).
a 12	12	23	43.2%	38.819 N	119.652 W	14	5.4 5.7	347	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 6.1 (GS), 5.9 (HRV). MD 6.0 (GM). ML 6.0 (BRK), 6.0 (GS). Mo=7.1*10**17 Nm (BRK). Slight damage (VI) at Gardnerville, Minden, Smith and Virginia City, Nevada. Also slight damage (VI) at Garden Valley, Kirkwood and Markleeville, California. Felt (V) in many areas of northern California and western Nevada including Placerville, Sacramento, South Lake Tahoe and Stockton, California as well as Fallon, Fernley, Reno, Washoe

										City and Wellington, Nevada. Felt as far as San Francisco and Fresno, California. Depth 11.6 km from broadband displacement seismograms.			
12	12	32	49.6&	38.783	N	119.681	W	9		3	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.2 (GS).		
12	12	37	24.2&	38.755	N	119.683	W	1		68	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.8 (GM). ML 3.9 (GS).		
12	12	40	35.7&	38.796	N	119.695	W	6		86	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.8 (GM). ML 3.9 (GS).		
12	12	45	42.4	38.863	N	119.642	W	5	G	1.0	35	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (GS). MD 3.5 (GM).	
12	12	50	42.5&	38.746	N	119.805	W	0		6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM).		
12	12	52	23.4&	30.979	N	115.776	W	16		2	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.2 (ECX).		
12	12	53	22.3&	38.799	N	120.023	W	0	G	19	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.5 (GS).		
12	12	54	06.1&	38.757	N	119.758	W	10		40	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.3 (GS).		
12	12	56	49.3	38.758	N	119.693	W	5	G	0.7	21	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (GS). Multiple event.	
12	12	57	38.1&	38.752	N	119.720	W	10		77	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.8 (GM). ML 3.6 (GS).		
12	13	00	20.9&	38.747	N	119.762	W	0	G	28	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.0 (GS).		
12	13	13	09.2&	38.753	N	119.741	W	0		26	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.1 (GS). Multiple event.		
12	13	15	16.4&	38.731	N	119.788	W	14		57	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.6 (GM). ML 3.4 (GS).		
12	13	24	16.6&	38.768	N	119.743	W	0	G	35	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.2 (GS).		
12	13	32	01.5&	38.800	N	119.704	W	5		26	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (GS).		
12	13	34	06.9&	38.738	N	119.644	W	14		35	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (GS).		
12	13	42	20.7&	38.755	N	119.742	W	0		44	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (GS).		
12	13	50	19.4&	38.765	N	119.745	W	0		39	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (GS).		
12	14	10	08.6&	38.822	N	119.666	W	1		7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.7 (GS).		
12	14	13	04.8&	38.759	N	119.761	W	0		6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).		
12	14	24	22.4&	38.741	N	119.679	W	0	G	72	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 4.0 (GM). ML 3.6 (GS). Multiple event.		
12	14	28	08.7&	38.751	N	119.737	W	0		4	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).		
12	14	32	05.9&	38.750	N	119.524	W	3		4	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.8 (GS).		
12	14	33	27.0&	38.741	N	119.694	W	18		56	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.5 (GS).		
12	14	35	26.9&	38.740	N	119.695	W	0	G	36	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.4 (GS).		
12	14	42	19.1&	38.815	N	119.664	W	0		36	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 2.9 (GS).		
12	15	00	31.4&	38.801	N	119.712	W	13		68	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.5 (GS).		
12	15	03	07.8&	38.753	N	119.731	W	1		60	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.6 (GM). ML 3.6 (GS).		
12	15	19	34.2&	38.746	N	119.679	W	1		40	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.7 (GM). ML 3.3 (GS). Double event.		
12	15	22	56.2&	38.763	N	119.772	W	5		6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.7 (GS).		
12	15	45	34.7&	32.507	N	115.426	W	1		20	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 3.1 (ECX). ML 3.0 (PAS).		
12	16	01	25.8?	47.53	N	151.79	E	33	N	4.5	0.8	17	KURIL ISLANDS
12	16	04	33.1?	37.23	N	3.61	W	10	G	0.4	4	SPAIN. mbLg 2.4 (MDD).	
12	16	14	00.0&	38.721	N	119.792	W	16		72	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.6 (GM). ML 3.5 (GS).		
12	16	27	05.3&	38.773	N	119.798	W	4		9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).		
12	16	27	58.8&	38.760	N	119.778	W	9		60	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.6 (GS).		
12	16	45	01.7	38.819	N	119.693	W	5	G	0.9	8	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS).	
12	16	48	00.6&	38.765	N	119.807	W	0	G	59	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.5 (GS).		
12	17	14	02.7&	38.805	N	119.701	W	8		71	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 4.0 (GS). Multiple event.		
12	17	16	45.8&	33.231	S	70.369	W	5	G	0.4	7	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).	
12	17	29	27.6?	35.96	N	27.28	E	33	N	0.9	4	DODECANESE ISLANDS. MD 3.7 (ATH).	
12	17	30	01.5?	34.14	S	70.69	W	90	G	0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).	
12	17	52	17.3	38.796	N	119.564	W	5	G	1.1	49	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (GS).	
12	18	03	50.7&	38.726	N	119.707	W	0	G	23	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.2 (GS).		
12	18	09	10.6	26.444	S	27.280	E	5	G	1.5	10	REPUBLIC OF SOUTH AFRICA. ML 3.2 (PRE).	
12	18	57	36.1&	39.387	N	28.047	E	10	G	0.8	5	TURKEY. ML 2.8 (ISK).	
12	19	03	06.2&	38.798	N	119.708	W	0		59	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.5 (GS).		
12	19	18	43.0&	38.733	N	119.772	W	12		12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.8 (GS).		
12	19	25	25.7&	38.759	N	119.772	W	0	G	32	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (GS).		
12	19	29	16.3	33.015	S	70.489	W	101	?	0.3	11	CHILE-ARGENTINA BORDER REGION. MD 4.5 (SAN). Felt (III) at Santiago, Chile.	
12	19	39	28.8&	38.739	N	119.777	W	0	G	38	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 2.6 (GS).		
12	19	41	36.6&	38.776	N	119.709	W	0		9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.6 (GS).		

12	19	48	02.7	&	38.732	N	119.823	W	14					18	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.6 (GS).
12	20	03	03.6		44.537	N	6.874	E	6			0.5	26	FRANCE. ML 2.8 (GEN), 2.7 (LDG).	
12	21	50	10.1	*	42.826	N	143.535	E	33	N	4.8	1.5	16	HOKKAIDO, JAPAN REGION	
12	22	00	26.8	&	38.810	N	119.725	W	0				25	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (GS).	
a 12	22	43	50.7		15.455	S	172.990	W	15	G	5.6 5.7	1.3	188	SAMOA ISLANDS REGION. Mw 5.9 (GS), 6.0 (HRV). Mo=2.3*10**18 Nm (PPT). Depth from broadband displacement seismograms.	
12	22	49	08.6		15.535	S	172.933	W	33	N	5.4 5.3	1.1	38	SAMOA ISLANDS REGION	
12	23	07	08.7		32.655	S	71.707	W	33	N	4.9	1.2	32	NEAR COAST OF CENTRAL CHILE. MD 4.8 (SAN). Felt (IV) at Santiago.	
12	23	11	01.3	&	38.743	N	119.735	W	8				39	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.0 (GS).	
12	23	14	56.1	&	38.757	N	119.723	W	4				24	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.7 (GS).	
12	23	24	10.0		44.526	N	6.881	E	5	G		0.5	21	FRANCE. ML 2.5 (GEN), 2.4 (LDG).	
12	23	29	50.8	&	38.777	N	119.705	W	4				61	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.5 (GS).	
a 12	23	34	54.4	*	15.118	S	172.990	W	33	N	4.9 4.8	1.4	32	SAMOA ISLANDS REGION. Mw 5.5 (HRV).	
12	23	36	35.1	&	38.830	N	119.722	W	6				20	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.6 (GS). Double event.	
12	23	49	31.8		38.833	N	119.639	W	5	G		1.1	42	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (GS).	
12	23	57	09.8	&	38.759	N	119.744	W	1		4.9		196	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 5.0 (GM). ML 5.3 (GS), 5.4 (BRK). Mo=5.3*10**16 Nm (BRK). Felt (V) at Gardnerville, Minden, Wellington and Yerington; (IV) at Fallon and Smith, Nevada. Felt (V) at Grass Valley, Kirkwood, Pioneer, Soudbyville and Twain Harte; (IV) at Altaville, Arnold, Dutch Flat, Echo Lake, Genoa, Gold Run, Groveland, Paradise, Pinecrest, South Lake Tahoe, Weimar and Zephyr Cove, California. Felt as far as San Francisco, California.	
13	00	06	56.0	&	38.768	N	119.741	W	0	G			43	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.5 (GS).	
13	00	10	16.7	&	38.753	N	119.733	W	2				52	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.0 (GS).	
13	00	11	38.3	&	38.762	N	119.696	W	0	G			22	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (GS).	
13	00	30	42.5		38.763	N	119.682	W	5	G		0.8	6	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS).	
13	00	33	58.1		38.819	N	119.630	W	5	G		0.9	9	CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (GS).	
13	00	47	11.1	&	38.725	N	119.762	W	0				31	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (GS).	
13	00	49	38.5	&	38.741	N	119.763	W	0	G			50	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.1 (GS).	
13	01	00	36.8	?	36.97	N	30.91	E	10	G		1.2	36	TURKEY. ML 3.5 (ISK), 3.5 (CSS).	
13	01	03	19.4		38.840	N	119.683	W	5	G		0.9	8	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS).	
13	01	05	48.2		38.750	N	119.650	W	5	G		0.7	12	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS).	
13	01	21	35.7	&	38.749	N	119.733	W	0	G			28	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.9 (GS).	
13	01	46	45.9	&	38.745	N	119.749	W	8				30	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 2.9 (GS).	
13	01	54	59.9	&	38.786	N	119.783	W	6				50	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.3 (GS).	
13	02	02	18.4	&	38.782	N	119.857	W	0				24	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 2.8 (GS).	
13	02	05	29.1	&	38.754	N	119.796	W	0				21	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.6 (GS).	
13	02	09	43.1	&	38.747	N	119.730	W	1				69	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.4 (GS).	
13	02	12	37.9		38.798	N	119.670	W	5	G		1.0	31	CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (GS). MD 3.1 (GM).	
13	03	05	03.0	?	40.69	N	29.84	E	10	G		0.6	4	TURKEY. ML 2.7 (ISK).	
13	03	06	15.3	&	38.767	N	119.691	W	0				59	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.3 (GS).	
a 13	03	09	46.8		13.025	S	166.944	E	188	D	5.0	1.2	161	VANUATU ISLANDS. Mw 5.2 (HRV).	
13	03	35	53.6		17.980	N	67.116	W	33	N	4.6	1.5	26	MONA PASSAGE. ML 4.8 (FDF). Felt (V) at Boqueron; (IV) at Lajas, Mayaguez and San German, Puerto Rico.	
13	03	43	43.1	&	38.760	N	119.747	W	9				58	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.6 (GM). ML 3.5 (GS).	
13	03	53	02.3	&	38.751	N	119.747	W	1				46	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.2 (GS).	
a 13	04	28	01.0		29.287	N	129.910	E	34	G	5.8 6.2	1.0	443	RYUKYU ISLANDS. Mw 6.1 (GS), 6.1 (HRV). Mo=1.4*10**18 Nm (PPT). Felt (III JMA) at Naze, Amami O-shima; (I JMA) at Kagoshima and Miyazaki, Kyushu. Depth from broadband displacement seismograms.	
13	05	13	07.6	&	38.821	N	119.690	W	4				41	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 2.8 (GS). Multiple event.	
13	05	14	10.6	&	38.736	N	119.754	W	0	G			38	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.1 (GS).	
13	05	29	13.2	&	38.734	N	119.744	W	8				22	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.7 (GS).	
13	05	30	24.3	&	38.756	N	119.748	W	11				61	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.4 (GS).	
13	05	44	22.2		38.792	N	119.689	W	5	G		1.0	8	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS).	
13	06	01	23.0		38.151	N	107.976	W	10	G	4.4	1.0	66	COLORADO. ML 4.6 (GS). Slight damage (VI) at Norwood. Felt strongly at Montrose. Felt (V) at Ophir, Placerville, Ridgway and Telluride; (IV) at Nucla, Olathe, Ouray, Redvale and Silverton; (III) at Cimarron, Crawford, Hotchkiss, Naturita, Paonia and Rico; (II) at Austin and Somerset. Felt as far as Grand Junction, Colorado and Moab, Utah.	
13	06	15	44.4	&	38.739	N	119.751	W	0	G			102	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 4.1 (GM). ML 4.3 (GS).	

13	06	19	14.1&	38.746 N	119.724 W	0 G				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.7 (GS).
13	06	21	19.6&	38.752 N	119.708 W	0 G				28	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.7 (GS).
13	06	59	41.5&	38.728 N	119.786 W	2				45	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.0 (GS).
13	07	05	47.2&	38.804 N	119.709 W	0 G				66	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.5 (GS).
13	07	30	39.9&	38.758 N	119.719 W	0 G				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.6 (GS).
13	07	33	12.7&	38.770 N	119.816 W	14				49	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.2 (GS).
13	07	33	44.6	38.754 N	119.954 W	5 G		1.1		45	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (GS).
13	07	40	29.2&	38.726 N	119.829 W	0 G				47	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (GS).
13	08	39	02.9&	44.494 N	7.966 E	5 G		0.1		7	NORTHERN ITALY. ML 1.9 (GEN).
13	08	46	22.5&	41.501 N	28.356 E	10 G		0.6		5	TURKEY. ML 2.7 (ISK).
13	09	08	24.2?	7.74 S	127.86 E	134 ?	4.8	1.3		9	BANDA SEA
13	09	17	41.7?	39.67 N	29.38 E	10 G		0.1		4	TURKEY. ML 2.6 (ISK).
13	09	22	31.6&	38.738 N	119.721 W	14				42	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.2 (GS).
13	09	38	08.2?	39.64 N	29.39 E	10 G		0.0		4	TURKEY. ML 2.7 (ISK).
13	09	44	54.6*	40.448 N	126.355 W	10 G		0.8		29	OFF COAST OF NORTHERN CALIFORNIA. ML 3.2 (GS). MD 3.2 (GM).
a 13	10	01	32.0	7.054 N	76.678 W	14 G	5.8 5.6	1.1	401	NORTHERN COLOMBIA. Mw 6.0 (GS), 6.1 (HRV). Mo=2.2*10**18 Nm (PPT). Felt at Domingodo, Medellin, Murindo and Quibdo. Depth from broadband displacement seismograms.	
13	10	12	52.7	7.373 N	76.678 W	33 N	4.8	1.1	54	NORTHERN COLOMBIA	
13	10	40	43.7?	40.85 N	30.25 E	10 G		0.5	4	TURKEY	
13	10	53	35.2&	38.765 N	119.726 W	0 G			25	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.0 (GS).	
13	11	07	31.6*	6.970 N	76.643 W	33 N	4.5	1.3	10	NORTHERN COLOMBIA	
13	11	13	42.6?	28.70 S	175.17 W	33 N	4.4	1.7	8	KERMADEC ISLANDS REGION	
13	11	15	09.8&	28.075 S	26.878 E	5 G		0.7	8	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).	
13	11	23	23.4?	39.76 N	29.47 E	10 G		0.3	4	TURKEY. ML 2.7 (ISK).	
13	11	45	22.4	7.094 N	76.800 W	33 N	4.7	1.0	25	NORTHERN COLOMBIA	
13	11	49	58.6&	38.762 N	119.677 W	0 G			78	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.9 (GM). ML 3.9 (GS).	
13	12	11	50.6?	39.23 N	27.74 E	10 G		0.8	4	TURKEY. ML 2.8 (ISK).	
a 13	12	22	12.8	22.278 S	174.687 E	33 N	5.4 5.4	1.2	176	LOYALTY ISLANDS REGION. Mw 5.8 (HRV).	
13	12	33	03.7&	38.749 N	119.741 W	6			9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.6 (GS).	
13	12	49	05.2&	26.963 S	26.828 E	5 G		1.6	7	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).	
13	13	10	57.1*	22.100 S	174.660 E	33 N	4.8	1.5	23	LOYALTY ISLANDS REGION	
13	13	11	58.1&	44.589 N	7.239 E	10 G		0.4	5	NORTHERN ITALY. ML 1.9 (GEN).	
13	13	28	56.4	37.063 N	117.702 W	5 G		1.1	38	CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (GS).	
13	13	39	06.3	38.823 N	119.640 W	5 G		0.9	8	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS).	
13	13	42	17.0?	7.11 S	155.38 E	126 ?		1.4	15	SOLOMON ISLANDS	
13	13	43	58.4&	40.590 N	28.909 E	10 G		0.9	7	TURKEY. ML 2.6 (ISK).	
13	13	51	55.1&	38.774 N	119.764 W	0 G			67	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.4 (GS).	
13	14	25	59.3*	28.090 S	176.481 W	40 D	4.8 4.7	1.4	18	KERMADEC ISLANDS REGION	
13	14	28	05.6&	38.757 N	119.751 W	0 G			45	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.1 (GS).	
13	14	28	23.8*	7.242 N	76.715 W	33 N	4.7	1.7	16	NORTHERN COLOMBIA	
13	14	57	30.3&	38.742 N	119.730 W	0			24	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 2.9 (GS).	
13	15	20	54.3*	7.180 N	76.613 W	33 N	4.4	1.4	11	NORTHERN COLOMBIA. MD 4.5 (UPA).	
13	15	58	52.8&	38.792 N	119.735 W	0 G			55	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.1 (GS).	
13	16	09	45.4&	42.238 N	18.552 E	10 G		0.3	7	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).	
13	17	47	35.2&	38.797 N	119.685 W	10			26	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).	
13	18	30	32.3?	31.37 S	69.43 W	120 G		0.7	9	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).	
13	18	40	45.6?	44.64 N	9.94 E	10 G		0.9	11	NORTHERN ITALY. ML 2.3 (LDG).	
13	18	41	44.6?	44.92 N	10.16 E	10 G		0.6	22	NORTHERN ITALY. ML 2.8 (LDG).	
13	18	42	26.3	38.769 N	119.685 W	5 G		1.2	26	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS). MD 3.0 (GM).	
13	19	00	47.3?	5.68 S	131.23 E	33 N	4.7	1.3	8	BANDA SEA	
13	19	25	56.7?	47.57 N	156.26 E	33 N	4.5	1.0	9	EAST OF KURIL ISLANDS	
13	19	26	24.9*	41.017 N	21.136 E	10 G		1.1	16	NORTHWESTERN BALKAN REGION. ML 3.1 (TIR), 3.0 (TTG).	
13	19	32	31.8*	1.310 N	126.679 E	33 N	4.6	1.5	14	NORTHERN MOLUCCA SEA	
13	19	48	07.8&	43.171 N	18.808 E	10 G		0.5	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).	
13	20	23	26.7?	51.13 N	15.63 E	10 G		0.6	8	POLAND. ML 3.4 (VIE), 3.3 (GRF).	
13	20	58	16.9&	44.583 N	7.253 E	10 G		0.4	9	NORTHERN ITALY. ML 2.0 (GEN).	
13	21	06	41.1&	38.119 N	2.272 W	10 G		0.9	10	SPAIN. mbLg 3.0 (MDD).	
13	21	22	38.2&	38.772 N	119.803 W	0 G	3.9		108	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 4.1 (GM). ML 4.4 (GS).	
13	21	43	59.0	38.855 N	119.667 W	5 G		1.1	8	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS).	
13	22	02	02.7?	38.79 N	26.86 E	10 G		0.1	4	AEGEAN SEA. ML 3.0 (ISK).	
13	22	57	37.0&	38.787 N	119.746 W	0			21	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.6 (GS).	
13	23	57	47.5?	8.06 S	117.94 E	212 ?	4.6	1.6	9	SUMBAWA REGION, INDONESIA	
14	01	10	48.6&	42.852 N	19.172 E	10 G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).	
14	01	12	48.7&	42.837 N	19.187 E	10 G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).	
14	02	05	12.5*	12.995 S	166.923 E	213 ?	4.8	1.1	37	SANTA CRUZ ISLANDS	
14	02	06	32.3	36.435 N	137.005 E	269	4.5	1.0	87	EASTERN HONSHU, JAPAN	
14	02	41	01.1*	5.301 S	150.552 E	177 D	5.4	1.0	103	NEW BRITAIN REGION, P.N.G.	
14	02	55	25.9	35.295 N	4.000 W	10 G		1.3	20	STRAIT OF GIBRALTAR. mbLg 3.5 (MDD).	
14	03	06	33.1	38.206 N	108.084 W	10 G		1.0	13	COLORADO. ML 2.8 (GS). Felt (III) at Ridgway. Also felt at Telluride.	
14	03	11	11.4&	62.689 N	143.434 W	25			43	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC).	
14	03	13	51.7&	38.720 N	119.628 W	0 G			42	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 2.7 (GS).	

14	03	25	04.8*	51.570	N	152.945	E	400	G	4.5	0.8	9	NORTHWEST OF KURIL ISLANDS
14	03	26	33.1?	34.71	S	70.26	W	5	G		0.1	6	CHILE-ARGENTINA BORDER REGION
14	03	37	56.8&	38.722	N	119.730	W	0				33	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.7 (GS).
14	03	53	54.8?	46.79	N	4.71	E	10	G		0.2	5	FRANCE. ML 1.5 (LDG).
14	04	07	25.6?	38.21	N	108.31	W	10	G		0.7	7	COLORADO. MD 2.0 (GS).
14	04	47	24.8&	38.773	N	119.807	W	0	G			30	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.8 (GS).
a 14	05	02	12.3	31.251	S	71.658	W	38	D	5.1 5.6	0.9	102	NEAR COAST OF CENTRAL CHILE. Mw 5.5 (HRV). MD 5.2 (SAN). Felt (IV) in the Canela-Salamanca area; (III) at La Ligua, Los Vilos and Santiago; (II) at Panquehue.
14	05	41	33.6?	31.50	S	71.85	W	10	G		0.7	10	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
14	05	51	29.1&	38.807	N	119.745	W	7				74	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.3 (GS).
14	06	14	22.9&	38.785	N	119.702	W	1				29	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.9 (GS).
14	06	16	16.7&	38.789	N	119.725	W	0				69	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.7 (GM). ML 3.8 (GS).
14	07	02	46.5&	39.067	N	27.667	E	10	G		0.7	5	TURKEY. ML 2.8 (ISK).
14	08	51	14.3&	63.500	N	151.203	W	10				32	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
14	09	26	39.5&	38.799	N	119.748	W	11				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.6 (GS).
14	10	49	51.8?	31.24	S	72.18	W	33	N		1.1	13	OFF COAST OF CENTRAL CHILE
a 14	11	45	17.8	16.521	S	172.998	W	33	N	5.2 4.7	1.3	70	SAMOA ISLANDS REGION. Mw 5.5 (HRV).
14	11	48	22.3&	38.786	N	119.797	W	0	G			10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.8 (GS).
14	11	50	45.1&	61.493	N	140.485	W	0	G			36	SOUTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 3.6 (PGC), 3.2 (AEIC).
14	12	20	33.2&	38.809	N	119.663	W	0				27	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 2.7 (GS).
14	12	54	44.1	16.286	N	93.475	W	132	D	4.3	1.2	59	CHIAPAS, MEXICO
14	13	19	01.0*	5.928	N	125.772	E	142	*	5.2	1.2	39	MINDANAO, PHILIPPINE ISLANDS
14	14	46	29.5&	38.784	N	119.724	W	0				45	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (GS).
14	15	28	23.0*	22.305	S	68.622	W	150	*	4.4	1.6	12	NORTHERN CHILE
14	15	38	39.9*	41.105	N	19.944	E	5	G		0.9	13	ALBANIA. ML 3.0 (TIR), 2.6 (TTG).
14	16	21	24.9&	61.393	N	140.726	W	0				17	SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 2.6 (AEIC), 3.0 (PGC).
14	18	23	58.2?	31.60	S	68.37	W	33	N		1.5	14	SAN JUAN PROVINCE, ARGENTINA
14	19	53	11.2?	43.27	N	7.19	E	10	G		0.0	4	NEAR SOUTH COAST OF FRANCE. ML 1.6 (LDG).
14	20	02	59.1&	43.192	N	7.251	E	10	G		0.3	10	NEAR SOUTH COAST OF FRANCE. ML 2.0 (LDG).
14	20	19	12.5?	18.04	S	178.53	W	598	*	5.0	1.3	36	FIJI ISLANDS REGION
14	21	28	56.9&	38.774	N	119.814	W	0				25	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.7 (GS).
14	22	04	56.7&	38.738	N	119.761	W	0	G			49	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.2 (GS).
15	00	27	19.1&	62.479	N	151.102	W	83				63	CENTRAL ALASKA. <AEIC>.
15	00	45	27.3&	38.759	N	119.732	W	8				130	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.7 (GM). ML 4.0 (GS).
15	00	57	25.0&	38.765	N	119.681	W	0	G			34	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (GS).
15	01	48	15.3&	38.724	N	119.748	W	0				53	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.2 (GS).
15	02	05	34.0	10.633	S	166.059	E	158	D	4.6	1.3	30	SANTA CRUZ ISLANDS
15	02	37	39.8&	38.776	N	119.749	W	10				57	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.4 (GS).
15	02	46	07.5&	34.791	N	116.297	W	4				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
15	03	56	47.3?	34.16	S	70.35	W	10	G		1.6	7	CHILE-ARGENTINA BORDER REGION
15	04	00	20.9&	60.593	N	151.549	W	63				107	KENAI PENINSULA, ALASKA. <AEIC>. ML 4.1 (AEIC).
15	05	48	27.8	38.765	N	119.687	W	5	G		1.0	28	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS). MD 2.9 (GM).
15	05	55	49.7*	15.186	S	74.717	W	119	*		0.8	10	NEAR COAST OF PERU. Felt (II) at Palpa.
15	06	02	34.6&	38.780	N	119.734	W	2				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.6 (GM). ML 2.6 (GS).
15	06	11	25.5*	38.795	N	119.622	W	5	G		0.3	5	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS). Multiple event.
15	06	36	53.4	51.628	N	1.787	E	10	G		0.8	45	UNITED KINGDOM. ML 3.9 (LDG), 3.6 (BNS), 3.2 (BGS). Felt (II) at Walton-on-the-Naze.
15	07	07	03.7&	38.753	N	119.744	W	0				59	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.3 (GS).
a 15	07	07	08.4*	23.709	N	121.962	E	49	D	5.1 4.5	1.3	109	TAIWAN. Mw 5.2 (HRV).
15	07	07	14.1	38.185	N	108.034	W	10	G		1.0	9	COLORADO. ML 2.4 (GS).
15	07	07	27.2*	46.893	N	152.197	E	33	N	4.8 4.3	1.1	34	KURIL ISLANDS
15	07	08	58.2&	38.750	N	119.791	W	0	G			31	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.0 (GS).
15	07	14	23.5*	5.786	S	149.082	E	126	*		1.0	9	NEW BRITAIN REGION, P.N.G.
15	07	32	12.2&	39.108	N	27.592	E	10	G		0.6	5	TURKEY. ML 2.8 (ISK).
15	07	48	04.3?	10.04	S	118.89	E	33	N	4.8 4.3	1.1	17	SOUTH OF SUMBAWA, INDONESIA
15	07	54	52.5&	38.746	N	119.643	W	6				72	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.6 (GM). ML 3.9 (GS).
15	08	11	06.2?	39.11	N	27.64	E	10	G		0.8	4	TURKEY. ML 2.8 (ISK).
15	08	13	37.4&	39.124	N	27.697	E	10	G		0.6	5	TURKEY. ML 2.7 (ISK).
15	08	33	38.3&	38.775	N	119.663	W	1				59	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (GS).
15	08	55	58.4&	39.658	N	29.450	E	10	G		0.3	6	TURKEY. ML 2.7 (ISK).
15	09	01	07.9&	39.663	N	29.506	E	10	G		0.7	5	TURKEY. ML 2.7 (ISK).
15	09	07	37.7&	39.755	N	29.511	E	10	G		0.5	5	TURKEY. ML 2.7 (ISK).
15	09	35	46.1?	29.51	S	176.27	W	33	N	4.6	1.7	10	KERMADEC ISLANDS REGION
15	09	53	03.7	38.817	N	119.669	W	5	G		0.6	9	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS).
15	09	55	38.9&	38.720	N	119.774	W	0	G			32	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.8 (GS).
15	10	40	47.6*	40.704	N	30.556	E	10	G		0.6	12	TURKEY. ML 3.2 (ISK).
15	10	41	51.4?	39.09	N	27.66	E	10	G		0.1	4	TURKEY. ML 2.8 (ISK).

15	10 46 25.6%	39.227 N	27.739 E	10 G	0.5	6	TURKEY. ML 2.9 (ISK).
15	10 50 28.4*	5.572 S	149.721 E	165 *	4.6	0.7	14 NEW BRITAIN REGION, P.N.G.
15	11 27 34.0%	59.355 N	152.867 W	93			27 SOUTHERN ALASKA. <AEIC>.
15	11 40 56.07	39.11 N	27.61 E	10 G		0.6	4 TURKEY. ML 2.8 (ISK).
15	11 57 50.8%	38.739 N	119.763 W	1			59 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM).
							ML 3.3 (GS).
15	12 07 35.9%	38.728 N	119.755 W	1			60 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM).
							ML 3.4 (GS).
15	12 28 18.1*	17.108 S	175.063 E	33 N	4.8 4.6	1.5	29 FIJI ISLANDS REGION
15	14 27 40.7%	39.591 N	29.424 E	10 G		0.5	6 TURKEY. ML 2.8 (ISK).
15	14 30 49.8?	31.30 S	72.34 W	33 N		0.8	11 OFF COAST OF CENTRAL CHILE. MD 4.4 (SAN).
15	14 31 41.6?	10.84 S	124.58 E	33 N	4.5	1.1	7 TIMOR REGION, INDONESIA
15	14 36 02.7*	40.239 N	21.414 E	10 G	3.5	1.7	16 GREECE. ML 3.5 (TTG).
15	14 59 53.1?	4.11 N	95.66 E	33 N	4.6	1.4	15 NORTHERN SUMATERA, INDONESIA
15	15 14 44.0%	38.779 N	119.713 W	0			21 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
							ML 2.8 (GS).
15	16 39 43.7*	5.957 S	147.589 E	123 *	4.2	1.7	10 EASTERN NEW GUINEA REG., P.N.G.
15	17 13 09.3%	38.797 N	119.738 W	0			48 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM).
							ML 3.0 (GS).
a 15	19 48 23.4	54.357 N	161.856 W	50 D	5.2 4.9	1.2	187 ALASKA PENINSULA. Mw 5.4 (HRV). ML 5.3 (PMR). Felt (V) at King Cove; (IV) at Cold Bay and Sand Point.
15	19 53 58.0	44.291 N	7.425 E	10 G		0.3	11 NORTHERN ITALY. ML 2.1 (GEN), 1.8 (LDG).
15	20 43 09.4%	33.221 S	70.354 W	5 G		0.3	7 CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
15	20 54 04.8?	6.59 S	148.96 E	130 *	4.6	0.9	8 NEW BRITAIN REGION, P.N.G.
15	21 11 07.9	38.802 N	119.606 W	5 G		0.8	7 CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS). MD 2.9 (GM).
							91 CENTRAL ALASKA. <AEIC>.
15	21 36 12.1%	62.306 N	151.014 W	72			6 TURKEY. ML 2.9 (ISK).
15	21 51 23.4%	39.514 N	26.829 E	10 G		0.8	10 IRIAN JAYA REGION, INDONESIA
15	22 04 33.5?	1.34 S	133.79 E	33 N	4.4	0.8	8 NORTHERN ITALY. ML 2.2 (GEN).
15	22 37 08.1%	44.582 N	7.257 E	10 G		0.1	7 CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
15	22 38 45.5?	33.79 S	70.33 W	110 G		0.3	9 ALBANIA. ML 2.3 (TTG).
15	22 47 49.4%	41.894 N	19.211 E	10 G		0.8	23 STRAIT OF GIBRALTAR. MD 3.5 (RBA). mbLg 3.4 (MDD).
a 15	23 23 56.8	35.258 N	4.056 W	10 G		1.0	48 SOUTHWESTERN ATLANTIC OCEAN. Mw 6.0 (HRV).
16	23 47 30.5	57.803 S	8.769 W	10 G	5.2 5.6	1.2	27 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
							ML 2.7 (GS).
16	02 17 57.6%	41.918 N	19.245 E	10 G		0.6	9 ALBANIA. ML 2.0 (TTG).
16	02 34 12.4?	51.34 N	15.88 E	10 G		0.5	4 POLAND
16	03 18 54.8	31.997 N	35.676 E	10 G	3.6	1.0	31 DEAD SEA REGION. MD 4.2 (RYD), 4.2 (HLW). ML 4.1 (JER), 4.0 (CSS), 3.8 (BHL). Felt at Arad, Haifa, Jericho, Jerusalem and in the Tel Aviv area.
							4 TURKEY. ML 2.8 (ISK).
16	03 38 04.2?	39.54 N	26.87 E	10 G		0.2	8 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
16	03 52 50.2%	38.780 N	119.751 W	0			ML 2.8 (GS).
16	04 18 15.0?	34.56 S	70.46 W	100 G		1.0	7 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
16	04 22 42.5	45.306 N	68.223 W	5 G		0.4	12 MAINE. mbLg 3.6 (GS), 3.6 (OTT). Felt (IV) at Burlington, Lee and Springfield; (III) at East Millinocket, Lincoln Center and Winn.
							25 CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS). MD 2.8 (GM).
16	04 28 08.8	38.768 N	119.690 W	5 G		0.8	1 MAINE. <SPEC>. mbLg 2.4 (GS), 2.5 (OTT). Held to mainshock location.
16	04 35 58.3%	45.300 N	68.200 W	5 G			525 TAIWAN REGION. Mw 6.8 (GS), 6.7 (HRV). Mo=8.6*10**18 Nm (PPT). One person killed, at least 400 people injured and structural damage in Fujian and Guangdong Provinces, China. Some houses damaged and ground cracks (IV JMA) observed on Peng-hu, Taiwan. Felt (III JMA) at Chia-i, Kao-hsiung and Tai-nan; (II JMA) at Heng-chun, Hua-lien, Tai-chung and Tai-pei, Taiwan. Felt (V) at Hong Kong. Also felt at Nanjing and Wuhan, China. Two events about 2.7 seconds apart. Depth from broadband displacement seismograms, based on second event.
16	06 24 31.3	44.405 N	6.972 E	10 G		0.3	13 FRANCE. ML 2.2 (GEN), 1.9 (LDG).
16	07 01 54.7%	45.300 N	68.200 W	5 G			3 MAINE. <MACRO>. mbLg 3.6 (GS), 3.5 (OTT). Felt (V) at Lee; (IV) at Grand Lake Stream and Springfield; (III) at Burlington, East Millinocket and Winn. Two events about 42 seconds apart. Magnitude determined from the larger, second event.
							5 TURKEY. ML 2.8 (ISK).
16	07 08 29.2%	39.243 N	27.764 E	10 G		0.2	7 TURKEY. ML 3.0 (ISK).
16	07 11 49.8%	39.015 N	27.944 E	10 G		0.4	10 CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS). MD 2.8 (GM).
16	07 22 40.4	38.811 N	119.670 W	5 G		0.8	10 TAIWAN REGION
16	07 36 18.4*	22.297 N	118.705 E	10 G	4.8	1.1	2 MAINE. <MACRO>. mbLg 3.3 (GS), 3.3 (OTT). Felt in the Springfield area.
16	07 40 11.9%	45.300 N	68.200 W	5 G			2 MAINE. <MACRO>. mbLg 3.3 (GS), 3.3 (OTT). Felt in the Springfield area.
16	07 44 06.8%	45.300 N	68.200 W	5 G			53 SOUTHERN SUMATERA, INDONESIA
16	08 15 58.9	5.347 S	102.831 E	33 N	5.4 4.9	1.2	5 TURKEY. ML 2.7 (ISK).
16	08 53 58.7%	39.086 N	27.593 E	10 G		0.7	4 TURKEY. ML 2.8 (ISK).
16	09 13 16.5?	39.12 N	27.68 E	10 G		0.8	5 TAIWAN REGION
16	09 16 19.1*	22.242 N	118.688 E	10 G	4.5	0.8	69 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.6 (GM).
16	09 54 46.4%	38.769 N	119.745 W	0 G			ML 3.6 (GS).
16	10 48 19.2?	10.55 N	60.87 W	33 N		0.5	5 TRINIDAD. MD 3.2 (TRN).
16	10 48 22.2%	62.216 N	148.538 W	42			78 CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 2.8 (PMR).
16	11 39 56.3%	34.799 N	116.298 W	6			34 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
16	11 59 28.8?	24.92 N	124.74 E	58 ?	4.4	1.6	11 SOUTHWESTERN RYUKYU ISLANDS
16	13 45 13.3%	58.211 N	151.778 W	46			62 KODIAK ISLAND REGION. <AEIC>. ML 3.5 (AEIC), 3.6 (PMR).
16	14 15 12.5%	39.553 N	27.929 E	10 G		0.9	5 TURKEY. ML 2.8 (ISK).
16	14 15 44.9%	48.000 N	127.524 W	10 G			39 VANCOUVER ISLAND REGION. <PGC-P>. ML 3.2 (PGC).
16	14 31 30.2%	40.327 N	27.912 E	10 G		0.8	6 TURKEY. ML 2.7 (ISK).
16	15 28 45.1%	38.759 N	0.446 W	10 G		0.4	5 SPAIN. mbLg 2.7 (MDD).
16	15 48 06.3?	44.71 N	6.45 E	10 G		0.2	4 FRANCE. ML 2.0 (GEN).

16	16	03	18.4	37.782	N	113.829	W	5	G	0.9	18	UTAH. ML 3.2 (GS).
16	16	59	16.9?	25.64	S	179.57	W	488	?	4.7	1.1	19 SOUTH OF FIJI ISLANDS
16	17	25	38.6	38.756	N	119.757	W	0	G		27	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.7 (GS).
16	17	51	43.5*	31.297	S	69.515	W	100	G	1.1	15	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
16	17	58	10.7	44.664	N	6.916	E	5	G	0.6	34	FRANCE. ML 2.9 (GEN), 2.9 (LDG).
16	18	35	21.0?	33.94	S	72.09	W	5	G	0.9	7	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
16	20	20	57.9	26.872	S	26.621	E	5	G	0.9	6	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
16	21	19	26.2*	2.928	S	77.444	W	90	D	4.6	1.3	39 PERU-ECUADOR BORDER REGION
16	21	32	19.5	37.098	N	115.247	W	5	G	0.9	27	SOUTHERN NEVADA. ML 3.4 (GS).
16	23	00	32.6*	39.860	N	0.199	W	10	G	1.4	14	SPAIN. mbLg 3.1 (MDD). ML 3.0 (LDG).
16	23	47	07.1*	15.423	S	67.128	E	10	G	5.1	1.1	41 MID-INDIAN RIDGE
17	00	04	33.0*	15.449	S	67.038	E	10	G	5.1	4.7	1.0 44 MID-INDIAN RIDGE
17	00	19	19.3	44.654	N	6.897	E	5	G	0.2	8	FRANCE. ML 2.2 (GEN).
17	00	32	36.0?	45.05	N	149.75	E	34	D	4.2	1.5	15 KURIL ISLANDS
17	02	24	37.8	37.885	N	41.584	E	9	D	5.1	1.0	220 TURKEY. Felt at Batman, Siirt and in the Diyarbakir area.
17	02	25	08.7	35.179	N	4.096	W	10	G	1.5	10	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD). MD 3.1 (RBA).
17	02	59	11.8	38.813	N	119.652	W	5	G	0.8	62	CALIFORNIA-NEVADA BORDER REGION. ML 4.0 (BRK), 3.5 (GS). MD 3.7 (GM).
17	03	05	08.8	34.406	N	26.746	E	33	N	4.2	1.4	60 CRETE
17	03	22	34.2?	34.43	S	70.77	W	90	G	0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
17	03	30	57.4	0.134	N	122.038	E	198	D	5.0	1.2	30 MINAHASSA PENINSULA, SULAWESI
17	03	42	29.1	60.381	N	149.163	W	33			44	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
17	04	28	37.5	38.793	N	119.587	W	5	G	0.9	9	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS). MD 2.8 (GM).
17	04	56	20.8	16.304	N	95.308	W	33	D	4.9	4.6	1.1 113 OAXACA, MEXICO
17	04	56	26.1	36.461	N	9.173	E	10	G	5.2	1.2	162 TUNISIA. Felt at Beja, Jendouba, Qafur, Siliana and Wadi az Zarga.
17	06	05	02.5?	48.92	N	2.62	W	10	G	1.0	21	FRANCE. ML 3.4 (LDG).
17	06	23	49.0	38.765	N	119.725	W	0			22	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.7 (GS).
17	07	04	05.5	16.416	N	61.267	W	33	N	0.1	6	LEEWARD ISLANDS. ML 2.0 (FDF).
17	07	11	42.2	51.963	N	160.261	E	35	D	4.8	4.2	1.0 52 OFF EAST COAST OF KAMCHATKA
17	07	34	12.4*	37.471	N	143.112	E	33	N	4.1	1.1	17 OFF EAST COAST OF HONSHU, JAPAN
17	08	44	00.2	39.638	N	29.454	E	10	G	0.3	5	TURKEY. ML 2.8 (ISK).
17	08	57	53.2	26.450	N	55.601	E	33	N	4.7	1.2	70 SOUTHERN IRAN
17	09	16	26.9*	10.663	N	62.053	W	33	N	1.0	16	NEAR COAST OF VENEZUELA. MD 3.6 (TRN).
17	09	20	50.6	38.816	N	119.729	W	5	G	0.8	9	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS).
17	09	27	42.5?	39.22	N	27.67	E	10	G	0.2	4	TURKEY. ML 2.7 (ISK).
17	09	30	51.3	39.420	N	28.448	E	10	G	0.5	16	TURKEY. ML 3.5 (ISK).
17	09	49	18.5	44.128	N	1.915	E	5	G	1.6	8	FRANCE. ML 2.5 (LDG).
17	10	03	38.9*	42.836	N	0.260	W	10	G	1.7	7	PYRENEES. MD 2.6 (BTH). ML 2.6 (LDG).
17	10	56	02.2	38.817	N	119.642	W	5	G	0.8	22	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS). MD 3.0 (GM).
17	11	30	29.8	38.715	N	119.684	W	5	G	0.8	25	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS), 3.0 (BRK).
17	11	47	00.8	45.077	N	6.661	E	10	G	0.9	16	FRANCE. ML 2.4 (LDG), 2.4 (GEN).
a 17	12	22	14.8	32.186	S	71.680	W	28	D	5.7	5.3	1.0 178 NEAR COAST OF CENTRAL CHILE. Mw 5.7 (HRV). Ms 5.3 (BRK). Felt (IV) in the epicentral area. Also felt at Llaillay, Los Andes, Petorca, Quillota, San Felipe, Santiago, Valparaiso and Vina del Mar. Felt (III) at Mendoza, Argentina.
17	12	33	49.7	32.278	S	71.920	W	33	N	5.2	1.3	37 NEAR COAST OF CENTRAL CHILE
17	12	36	16.8	38.784	N	119.600	W	5	G	0.9	75	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (GS), 4.1 (BRK). MD 3.8 (GM).
17	13	03	37.2?	14.64	S	166.73	E	33	N	4.5	0.7	5 VANUATU ISLANDS
17	13	10	11.9?	32.21	S	71.82	W	10	G	0.3	9	NEAR COAST OF CENTRAL CHILE
17	13	29	08.4?	32.22	S	71.77	W	10	G	0.4	9	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
17	13	32	45.6*	32.209	S	71.824	W	36	*	4.4	0.8	16 NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN).
17	14	08	29.0	44.359	N	7.277	E	5	G	0.5	8	NORTHERN ITALY. ML 2.1 (GEN).
17	14	10	32.2	34.758	N	121.587	W	6	G		6	OFF COAST OF CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
17	14	12	26.3?	32.13	S	71.91	W	10	G	0.3	8	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
17	14	14	50.8?	32.37	S	71.77	W	10	G	0.4	10	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
17	15	11	32.0*	32.215	S	72.043	W	33	N	5.0	1.4	24 OFF COAST OF CENTRAL CHILE. MD 4.8 (SAN).
17	15	28	03.5?	32.41	S	71.71	W	33	N	1.2	13	NEAR COAST OF CENTRAL CHILE
17	15	28	47.8*	32.212	S	72.056	W	33	N	4.8	1.1	18 OFF COAST OF CENTRAL CHILE
17	15	52	11.0?	32.09	S	71.97	W	10	G	0.3	9	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
17	16	02	30.6*	32.240	S	71.705	W	10	G	0.3	10	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
17	16	51	33.6*	4.166	S	152.429	E	33	N	4.6	4.6	1.7 15 NEW BRITAIN REGION, P.N.G.
17	17	14	57.7*	32.279	S	72.314	W	33	N	4.9	1.2	14 OFF COAST OF CENTRAL CHILE. MD 4.6 (SAN).
17	17	15	06.3	38.758	N	119.673	W	5	G	1.0	31	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS), 3.0 (BRK). MD 3.0 (GM).
17	17	28	06.0?	32.58	S	71.81	W	10	G	0.7	9	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
17	17	30	17.4	38.736	N	119.671	W	5	G	0.8	27	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS). MD 3.1 (GM).
17	17	36	42.2*	32.311	S	72.093	W	33	N	4.8	1.4	14 OFF COAST OF CENTRAL CHILE. MD 4.6 (SAN).
17	17	44	02.2?	32.18	S	71.83	W	25		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
17	18	00	21.8	62.223	N	150.849	W	71			29	CENTRAL ALASKA. <AEIC>.
17	19	12	58.7*	32.466	S	71.714	W	10	G	0.6	13	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
17	19	16	06.6?	32.49	S	71.80	W	10	G	0.7	8	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
17	20	09	39.9?	32.49	S	71.86	W	10	G	0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
17	20	53	35.7	36.801	N	5.393	W	10	G	0.4	7	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
17	21	10	48.2?	32.52	S	71.86	W	33	N	0.7	10	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
17	21	27	07.2?	32.02	S	72.12	W	10	G	0.6	10	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
17	21	33	34.0?	17.76	S	178.74	W	601	*	4.4	1.2	27 FIJI ISLANDS REGION
17	22	33	57.0	33.019	S	71.003	W	60	G	0.2	8	NEAR COAST OF CENTRAL CHILE. MD 3.0 (SAN).
17	22	43	51.8	33.374	N	141.208	E	33	N	4.7	1.2	60 OFF EAST COAST OF HONSHU, JAPAN
17	22	48	23.4	41.388	N	2.643	E	10	G	1.1	61	SPAIN. mbLg 4.0 (MDD). ML 4.0 (LDG). Felt (III) in the Barcelona area.
17	23	07	44.9	38.785	N	119.626	W	5	G	0.9	25	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS), 3.1 (BRK). MD 2.9 (GM).
17	23	17	31.9*	32.404	S	71.708	W	10	G	1.3	12	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).

17	23	20	02.1%	39.969	N	28.107	E	10	G			0.3	12	TURKEY. ML 3.1 (ISK).
18	00	31	45.5%	42.983	N	1.399	W	10	G			1.1	7	PYRENEES. ML 2.2 (LDG).
18	00	53	39.0%	26.448	S	27.385	E	5	G			0.9	6	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE).
18	01	26	16.5%	28.55	N	57.90	E	33	N	3.9		1.7	7	SOUTHERN IRAN
18	01	37	27.7%	38.268	N	2.547	W	10	G			0.7	8	SPAIN. mbLg 2.9 (MDD).
18	03	13	24.7%	34.316	N	118.443	W	6					12	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.8 (GS).
18	04	01	02.9%	14.135	N	61.044	W	10	G			0.4	5	WINDWARD ISLANDS. MD 2.8 (TRN).
18	04	08	51.1%	33.754	S	148.149	E	10	G			0.3	5	NEW SOUTH WALES, AUSTRALIA. ML 3.2 (CNB).
18	04	15	02.0%	37.04	N	3.84	W	10	G			0.0	4	SPAIN. mbLg 2.6 (MDD).
18	04	47	08.2%	32.24	S	71.81	W	10	G			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
18	04	51	07.1%	11.08	N	62.03	W	80	G			0.1	5	WINDWARD ISLANDS. MD 3.2 (TRN).
18	05	07	11.0%	3.38	S	130.39	E	26	D	4.8		1.4	9	SERAM, INDONESIA
18	05	14	57.7	38.767	N	119.667	W	5	G			0.6	7	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS). MD 2.9 (GM).
18	07	16	45.2%	44.99	N	6.75	E	5	G			0.4	4	FRANCE. ML 2.2 (GEN).
18	07	18	12.8%	39.126	N	27.666	E	10	G			0.6	5	TURKEY. ML 2.8 (ISK).
18	07	27	28.1%	25.038	S	177.359	W	183	D	4.4		1.3	40	SOUTH OF FIJI ISLANDS
18	07	37	05.5%	45.001	N	6.501	E	5	G			0.6	6	FRANCE. ML 2.5 (GEN).
18	07	54	44.1%	39.09	N	27.59	E	10	G			1.4	4	TURKEY. ML 2.8 (ISK).
18	08	07	34.1%	22.356	N	118.671	E	10	G	4.4		1.3	10	TAIWAN REGION
18	08	15	31.2%	37.79	N	1.96	W	10	G			0.6	4	SPAIN. mbLg 2.6 (MDD).
18	08	20	11.5	38.827	N	119.734	W	5	G			0.9	12	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS). MD 2.9 (GM).
18	09	55	36.9%	8.438	S	119.702	E	156	?	4.9		0.8	10	FLORES REGION, INDONESIA
18	10	12	44.7%	63.272	N	151.156	W	12	G				8	CENTRAL ALASKA. <AEIC>. ML 2.3 (AEIC), 2.7 (PMR).
18	10	27	15.3	38.563	N	71.733	E	33	N	4.6	3.9	1.2	39	AFGHANISTAN-TAJIKISTAN BORD REG.
18	10	41	45.9%	4.37	S	151.83	E	33	N	4.4		1.0	7	NEW BRITAIN REGION, P.N.G.
18	10	54	22.1%	4.295	S	152.242	E	33	N	4.6		1.6	17	NEW BRITAIN REGION, P.N.G.
18	11	13	33.9	40.248	N	115.866	W	5	G			0.7	12	NEVADA. ML 3.1 (GS).
18	11	13	49.9	38.918	N	119.703	W	5	G			1.1	10	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS). MD 2.9 (GM).
18	13	06	48.9%	4.18	S	152.08	E	33	N	4.2		0.7	5	NEW BRITAIN REGION, P.N.G.
18	13	23	04.9%	4.215	S	151.938	E	33	N	4.2		1.5	12	NEW BRITAIN REGION, P.N.G.
18	14	12	41.4%	32.85	S	70.91	W	70	G			0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
18	14	16	03.0%	26.80	S	178.39	W	329	*	4.2		0.7	9	SOUTH OF FIJI ISLANDS
18	14	27	32.9%	39.748	N	29.547	E	10	G			1.0	5	TURKEY. ML 2.7 (ISK).
18	14	44	24.4%	32.42	S	71.85	W	10	G			0.7	9	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
18	14	59	17.5	38.804	N	119.650	W	5	G			0.8	8	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS).
18	15	00	28.7%	40.00	N	29.47	E	10	G			0.4	7	TURKEY. ML 2.6 (ISK).
18	15	07	29.2%	38.704	N	26.436	E	10	G			0.6	9	AEGEAN SEA. ML 3.5 (ISK).
18	16	49	55.2	38.677	N	142.934	E	32	D	5.0	4.3	0.9	79	NEAR EAST COAST OF HONSHU, JAPAN
18	17	14	47.9%	28.018	N	139.525	E	534	?	4.4		1.3	18	BONIN ISLANDS REGION
18	20	01	17.6%	32.90	S	70.82	W	70	G			0.5	6	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
18	21	23	12.3	38.792	N	119.650	W	5	G			0.8	30	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (GS). MD 3.0 (GM).
18	21	27	22.1	43.943	N	7.693	E	10	G			0.2	12	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG), 2.4 (GEN).
18	21	44	58.7%	39.564	N	27.967	E	10	G			0.4	9	TURKEY. ML 3.0 (ISK).
18	21	45	48.0%	12.198	N	144.462	E	33	N	4.9		1.2	14	SOUTH OF MARIANA ISLANDS
18	23	03	06.6%	44.584	N	7.529	E	10	G			0.2	5	NORTHERN ITALY. ML 2.0 (GEN).
19	00	06	07.8%	59.071	N	153.293	W	83					78	SOUTHERN ALASKA. <AEIC>.
19	01	10	17.1%	10.85	N	62.25	W	80	G			0.5	5	NEAR COAST OF VENEZUELA. MD 3.1 (TRN).
19	02	10	46.0%	16.52	N	120.73	E	33	N			0.9	4	LUZON, PHILIPPINE ISLANDS
19	03	52	28.5%	13.908	S	166.822	E	33	N	4.5		1.2	35	VANUATU ISLANDS
19	04	29	31.1%	32.43	S	71.70	W	10	G			0.3	12	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
19	05	59	48.5%	15.404	N	119.728	E	33	N	4.6		1.5	10	LUZON, PHILIPPINE ISLANDS
19	06	10	56.3%	44.38	N	7.30	E	10	G			0.0	4	NORTHERN ITALY. ML 1.9 (GEN).
19	06	20	28.4	44.465	N	6.932	E	5	G			0.5	13	FRANCE. ML 2.3 (GEN), 2.0 (LDG).
19	06	22	21.9%	32.61	S	71.81	W	33	N			0.9	10	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
19	07	14	00.2%	44.533	N	7.253	E	10	G			0.3	5	NORTHERN ITALY. ML 2.0 (GEN).
19	07	18	27.2%	44.999	N	137.513	E	271	*	4.6		0.8	49	EASTERN SEA OF JAPAN
19	07	25	26.7	38.826	N	119.567	W	5	G			0.9	60	CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (GS), 4.0 (BRK). MD 3.7 (GM).
19	07	41	09.6%	26.52	N	128.77	E	33	N	4.8		0.8	24	RYUKYU ISLANDS
19	07	56	09.6%	9.75	S	118.40	E	33	N	3.7		1.4	6	SUMBAWA REGION, INDONESIA
19	07	58	14.2%	38.744	N	119.637	W	2					59	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (GS), 3.3 (BRK).
19	07	59	19.6%	34.40	S	71.10	W	80	G			0.1	6	NEAR COAST OF CENTRAL CHILE
19	08	23	05.1	38.781	N	119.592	W	5	G			0.7	9	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS).
19	08	25	00.1%	39.19	N	27.79	E	10	G			1.0	4	TURKEY. ML 2.8 (ISK).
19	08	30	34.9%	32.470	S	71.673	W	28				1.1	15	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
19	09	12	09.4%	26.45	S	27.28	E	5	G			1.2	4	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
19	09	21	46.7%	39.10	N	27.74	E	10	G			0.2	4	TURKEY. ML 2.8 (ISK).
19	09	27	27.5%	19.17	S	172.51	W	33	N	4.8		1.5	17	TONGA ISLANDS REGION
19	09	37	29.2%	36.717	N	5.847	W	10	G			1.3	6	STRAIT OF GIBRALTAR. mbLg 2.2 (MDD).
19	09	57	37.2	38.745	N	119.674	W	5	G			0.8	25	CALIFORNIA-NEVADA BORDER REGION. ML 2.8 (GS). MD 2.9 (GM).
19	10	52	47.2%	34.51	S	70.72	W	100	G			0.1	6	CHILE-ARGENTINA BORDER REGION
19	11	10	15.8%	6.658	S	129.693	E	140	?	5.0		1.2	20	BANDA SEA
19	11	12	38.4	38.790	N	119.667	W	5	G			0.7	7	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS). MD 2.8 (GM).
19	11	15	10.1%	40.382	N	28.020	E	10	G			0.5	6	TURKEY. ML 2.8 (ISK).
19	11	39	28.6%	34.113	S	72.177	W	33	N	4.3		1.0	17	NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN).
19	12	12	59.9%	34.04	S	72.24	W	33	N			0.5	9	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
19	12	41	28.3%	62.726	N	149.002	W	63					83	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.1 (PMR).
a 19	13	09	05.0	7.467	S	128.397	E	150	D	5.5		1.1	106	BANDA SEA. Mw 5.4 (HRV).
19	14	06	06.4%	38.761	N	119.723	W	0					79	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.8 (GM). ML 3.8 (GS), 4.0 (BRK).
19	14	43	10.2%	38.755	N	119.623	W	2					57	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (GS), 3.4 (BRK).
19	14	47	49.3%	55.466	S	25.743	W	33	N	5.1	5.1	1.2	17	SOUTH SANDWICH ISLANDS REGION
19	15	16	13.9	40.635	N	27.579	E	10	G			0.9	12	TURKEY. ML 3.5 (ISK).
19	15	23	42.2	42.631	N	43.049	E	33	N	4.4		1.4	32	NORTHWESTERN CAUCASUS
19	15	28	40.4	23.693	N	100.272	E	33	N	4.8		1.4	28	YUNNAN, CHINA

19	15	36	25.0	38.711	N	119.762	W	9							21	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.6 (GS).
19	16	17	14.47	33.90	S	70.25	W	120	G				0.1	6	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).	
19	17	26	00.0	37.767	N	2.527	W	10	G				1.0	13	SPAIN. mbLg 3.2 (MDD). Felt (III) in the Galera area.	
19	17	59	06.7	38.812	N	119.682	W	5	G				0.7	25	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS). MD 2.9 (GM).	
a 19	18	03	24.0*	7.702	S	130.126	E	33	N	5.0	4.4		1.2	49	TANIMBAR ISLANDS REG., INDONESIA. Mw 5.2 (HRV).	
19	18	36	18.47	32.31	S	72.17	W	10	G				1.0	12	OFF COAST OF CENTRAL CHILE. MD 4.3 (SAN).	
19	18	42	46.9	32.429	S	71.824	W	10	G				0.8	10	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).	
19	19	35	26.0	52.173	N	174.741	W	64	D	5.1			0.9	161	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.3 (PMR). Felt (IV) on Adak.	
19	19	42	33.37	33.56	S	70.92	W	80	G				0.5	6	CHILE-ARGENTINA BORDER REGION	
19	20	20	23.4*	4.210	S	101.236	E	33	N	4.7			1.2	15	SOUTHERN SUMATERA, INDONESIA	
19	21	34	32.3*	40.780	N	21.217	E	10	G				1.7	8	GREECE. ML 2.8 (TIR).	
19	21	51	00.27	38.28	N	26.70	E	10	G				0.3	7	AEGEAN SEA. ML 3.3 (ISK).	
19	21	55	44.97	39.19	N	0.45	W	10	G				1.3	4	SPAIN	
19	21	58	38.47	32.09	S	72.23	W	10	G				0.5	9	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).	
19	22	28	30.1	6.872	N	74.614	W	33	N	4.9			1.3	54	NORTHERN COLOMBIA. Felt in Antioquia, Boyaca and Cundinamarca Departments. Also felt at Remedios.	
19	22	57	56.77	7.55	S	128.55	E	150	G	4.3			0.7	7	BANDA SEA	
19	23	24	23.9	35.532	N	0.202	W	10	G	3.5			1.0	36	NORTHERN ALGERIA. mbLg 3.7 (MDD).	
20	00	12	23.57	32.83	S	71.50	W	10	G				0.6	7	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).	
20	00	14	01.5	60.308	N	152.104	W	74						68	SOUTHERN ALASKA. <AEIC>.	
20	00	14	37.27	22.13	N	118.70	E	10	G	4.0			1.6	4	TAIWAN REGION	
20	02	23	30.9	38.734	N	119.646	W	0						60	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.0 (GS), 3.4 (BRK).	
20	02	51	42.87	32.34	S	71.81	W	10	G				1.3	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).	
20	03	03	22.5	62.248	N	151.370	W	89						73	CENTRAL ALASKA. <AEIC>.	
20	03	17	47.8	38.775	N	119.558	W	0						76	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 4.0 (GM). ML 3.9 (GS), 4.2 (BRK).	
20	03	37	21.0	38.739	N	119.669	W	0						82	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.8 (GM). ML 3.9 (GS), 4.1 (BRK).	
20	03	39	12.2	38.756	N	119.635	W	1						10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 2.9 (GS).	
20	03	45	13.3	38.748	N	119.651	W	0						62	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.6 (GM). ML 3.7 (GS), 3.9 (BRK).	
20	04	32	32.5	34.339	N	116.469	W	5						8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).	
20	05	09	57.17	11.14	N	61.90	W	60	G				1.1	4	WINDWARD ISLANDS. MD 3.0 (TRN).	
20	05	17	19.0	38.755	N	119.633	W	1		4.2				102	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 4.5 (GM). ML 4.6 (GS). Felt (IV) at Gardnerville, Nevada and Markleeville, California. Felt (III) at Smith and Yerington, Nevada. Also felt (III) at Kirkwood and Sonora, California.	
20	05	19	43.6	38.738	N	119.632	W	2						21	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.4 (GS).	
20	05	27	06.8	38.736	N	119.661	W	0	G					55	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (GS), 3.1 (BRK).	
20	05	46	37.77	9.11	S	127.71	E	33	N	4.5			1.6	16	TIMOR SEA	
20	05	49	56.07	32.42	N	48.52	E	33	N	4.3			1.7	9	WESTERN IRAN. Felt at Dezful.	
a 20	05	51	46.0	32.501	N	48.770	E	33	N	5.0	4.4		1.2	138	WESTERN IRAN. Mw 5.2 (HRV). Felt at Dehloran and Dezful.	
20	06	14	05.9	16.253	N	95.374	W	33	N	4.8			1.4	67	OAXACA, MEXICO	
20	06	19	14.6	45.395	N	7.610	E	5	G				0.8	23	NORTHERN ITALY. ML 2.8 (GEN), 2.5 (LDG).	
20	06	30	18.97	12.28	N	145.04	E	33	N	4.4			0.4	6	SOUTH OF MARIANA ISLANDS	
20	06	48	35.57	34.44	S	179.38	W	33	N	4.8			1.2	11	SOUTH OF KERMADec ISLANDS	
20	06	59	40.2*	13.784	N	60.665	W	33	N				0.4	6	WINDWARD ISLANDS. MD 3.3 (TRN). ML 2.8 (FDF).	
20	07	56	29.87	31.64	S	179.17	W	123	D	4.6			1.6	14	KERMADec ISLANDS REGION	
20	08	08	32.5	38.723	N	119.647	W	8						27	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.6 (GS).	
a 20	08	45	26.2	7.433	N	126.748	E	51	D	5.4	5.3		1.0	187	MINDANAO, PHILIPPINE ISLANDS. Mw 5.8 (HRV). Ms 5.3 (BRK). Felt (IV RF) at Bislig.	
20	08	56	37.67	39.12	N	27.56	E	10	G				1.0	4	TURKEY. ML 2.8 (ISK).	
20	09	19	02.7	13.414	N	61.007	W	90	G	4.5			1.5	36	WINDWARD ISLANDS. MD 4.2 (TRN). Felt (V) on St. Vincent. Also felt on St. Lucia.	
20	09	29	54.57	44.53	N	7.30	E	5	G				0.0	4	NORTHERN ITALY. ML 1.7 (GEN).	
20	09	30	08.5	38.752	N	119.675	W	0						52	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 2.9 (GS), 3.1 (BRK).	
20	10	02	08.3	38.784	N	119.565	W	5	G				0.8	13	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS). MD 2.9 (GM).	
20	10	04	32.9	44.532	N	8.475	E	10	G				0.5	7	NORTHERN ITALY. ML 2.1 (GEN).	
20	10	08	51.7	44.589	N	8.396	E	5	G				0.1	7	NORTHERN ITALY. ML 2.2 (GEN).	
20	10	19	52.3	38.804	N	119.567	W	5	G				0.9	59	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (GS), 3.6 (BRK). MD 3.4 (GM).	
20	10	24	05.9	38.822	N	119.603	W	5	G				1.2	24	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (GS), 3.5 (BRK). MD 3.4 (GM). Small precursor about 4 seconds prior to this event.	
20	11	21	07.2	22.287	N	118.680	E	10	G	4.8			1.3	27	TAIWAN REGION	
20	11	32	15.9	38.831	N	26.702	E	10	G				0.4	7	AEGEAN SEA. ML 3.4 (ISK).	
20	12	40	36.1	38.693	N	119.685	W	5	G				1.0	27	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS). MD 3.0 (GM).	
20	12	48	06.77	17.13	S	179.58	W	550	G	4.5			0.9	10	FIJI ISLANDS REGION	
20	13	19	59.27	26.44	S	27.33	E	5	G				1.3	4	REPUBLIC OF SOUTH AFRICA. ML 2.0 (PRE).	
20	13	53	45.0	34.160	S	71.167	W	70	G				0.4	7	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).	
20	13	56	06.57	48.29	N	2.35	W	5	G				1.0	5	FRANCE. ML 2.8 (LDG).	
20	14	09	43.07	18.51	S	175.37	W	283	?	4.8			1.0	22	TONGA ISLANDS	
20	14	10	18.2	57.055	N	143.086	W	10	G				0.7	68	GULF OF ALASKA. ML 4.6 (PGC), 4.2 (PMR), 4.0 (AEIC).	
20	15	37	27.6*	26.380	S	27.335	E	5	G				1.4	14	REPUBLIC OF SOUTH AFRICA. mbLg 3.9 (BUL). ML 3.7 (PRE).	
20	15	38	36.5	38.739	N	119.646	W	2		4.2				103	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 4.4 (GM). ML 4.5 (GS), 4.9 (BRK). Mo=7.1*10**15 Nm (BRK). Felt (IV) at Gardnerville, Nevada and Markleeville, California. Felt (III) at Smith and Yerington, Nevada. Also felt (III) at Kirkwood and Sonora, California.	
20	15	40	55.4	38.803	N	119.511	W	5	G	4.1			1.0	65	CALIFORNIA-NEVADA BORDER REGION. ML 4.5 (GS), 4.9	

	Lat	Long	Depth	Time	Locality	Distance	Direction	Speed	Altitude	Remarks
20	15 46 35.2&	38.694 N	119.662 W	0						(BRK). Mo=7.3*10*15 Nm (BRK). Felt in the Gardnerville, Nevada area.
20	16 39 19.8&	62.939 N	148.734 W	70						CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.7 (GM).
20	16 40 10.7&	44.463 N	7.046 E	5 G						ML 3.5 (GS), 3.8 (BRK).
20	16 58 38.4?	14.37 S	166.48 E	33 N	4.5					CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
20	17 08 57.9*	33.890 S	72.060 W	10 G						NORTHERN ITALY. ML 2.0 (GEN).
20	17 16 14.4?	33.99 S	72.19 W	10 G						VANUATU ISLANDS
20	17 17 32.0&	59.492 N	152.801 W	76						OFF COAST OF CENTRAL CHILE. MD 4.3 (SAN).
20	17 26 13.6	38.757 N	119.592 W	5 G						OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
20	18 48 45.9?	38.68 N	26.43 E	10 G						SOUTHERN ALASKA. <AEIC>.
20	18 58 14.8*	45.383 N	150.986 E	33 N	4.6 4.0					CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS), 3.1 (BRK). MD 3.0 (GM).
20	19 10 02.5	41.882 N	13.809 E	10 G						AEGEAN SEA. ML 3.2 (ISK).
20	19 14 23.5?	32.93 N	101.34 E	33 N	4.6					KURIL ISLANDS
20	19 39 06.9	38.763 N	119.597 W	5 G						SOUTHERN ITALY. ML 3.6 (TTG), 3.3 (LDG).
20	19 39 08.4	22.729 N	120.750 E	33 N	4.7					SICHUAN, CHINA
20	19 48 01.5*	22.729 N	120.698 E	33 N	4.7					CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (GS). MD 3.1 (GM).
20	19 59 10.8&	46.611 N	0.041 W	5 G						TAIWAN
20	20 24 16.0?	2.18 N	126.42 E	33 N	4.5					TAIWAN
20	20 45 43.4	53.279 N	1.927 E	10 G						FRANCE. ML 2.5 (LDG).
20	21 03 58.3?	44.53 N	7.31 E	5 G						NORTH SEAS. ML 3.6 (LDG), 2.9 (BGS).
20	21 16 22.0&	44.508 N	7.271 E	5 G						NORTHERN ITALY. ML 1.7 (GEN).
20	21 38 44.4?	33.93 S	70.55 W	100 G						NORTHERN ITALY. ML 1.9 (GEN).
20	21 45 56.1&	38.785 N	119.726 W	0						CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
20	21 47 44.0&	33.239 S	70.595 W	90 G						CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
20	22 23 25.2*	29.012 N	51.728 E	33 N	3.8					ML 2.7 (GS).
20	22 38 41.3?	34.75 S	70.24 W	5 G						CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
20	23 05 15.3&	63.083 N	150.702 W	111						SOUTHERN IRAN
21	00 58 03.0?	37.90 N	2.96 W	10 G						CHILE-ARGENTINA BORDER REGION
21	01 12 55.4	52.567 N	4.443 E	5 G						CENTRAL ALASKA. <AEIC>.
21	02 09 01.0&	40.408 N	124.667 W	21	4.5 4.0					SPAIN. mbLg 2.5 (MDD).
21	02 25 59.2&	33.905 S	69.995 W	10 G						THE NETHERLANDS. ML 3.4 (LDG).
21	02 44 07.7*	16.524 N	95.891 W	10 G						NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 4.3 (GM). ML 4.4 (BRK), 4.5 (GS). Mo=9.6*10**15 Nm (BRK). Felt (V) at Honeydew; (IV) at Bayside, Loleta, Petrolia and Samoa; (III) at Blue Lake, Carlotta, Eureka, Fortuna, Korbil, McKinleyville, Miranda, Phillipsville, Redway and Rio Dell.
21	03 48 49.8	40.416 N	125.673 W	10 G						CHILE-ARGENTINA BORDER REGION
21	04 08 21.7?	46.42 N	1.80 W	5 G						OAXACA, MEXICO
21	05 00 17.1?	29.59 S	178.85 W	33 N	3.9					OFF COAST OF NORTHERN CALIFORNIA. ML 3.0 (GS). MD 3.3 (GM).
21	05 07 39.2*	5.685 S	144.719 E	33 N	4.2					FRANCE. ML 2.6 (LDG).
a 21	06 09 17.0	1.091 N	127.161 E	143	5.5					KERMADEC ISLANDS, NEW ZEALAND
21	06 51 41.4	38.845 N	119.640 W	5 G						NEW GUINEA, PAPUA NEW GUINEA. ML 4.5 (PMG).
21	07 07 46.0?	39.22 N	27.77 E	10 G						HALMAHERA, INDONESIA. Mw 5.2 (HRV).
21	08 25 04.0?	39.09 N	27.69 E	10 G						CALIFORNIA-NEVADA BORDER REGION.

22	01	17	31.0	13.224 N	88.005 W	167 D	4.6	0.9	82	EL SALVADOR. MD 4.7 (GCG). Felt (II) at San Salvador.
22	01	41	41.8	45.485 N	6.857 E	5 G		1.1	14	FRANCE. ML 2.6 (GEN), 2.1 (LDG).
22	01	56	18.7	42.526 N	148.319 E	35 D	5.2	1.0	160	OFF COAST OF HOKKAIDO, JAPAN
22	02	38	29.6	38.788 N	119.577 W	5 G		0.8	31	CALIFORNIA-NEVADA BORDER REGION. ML 2.8 (GS), 3.1 (BRK). MD 3.1 (GM).
22	04	08	46.5	46.599 N	7.393 E	10 G		0.9	36	SWITZERLAND. ML 3.4 (LDG), 3.1 (GRF), 2.8 (VIE).
22	04	37	18.1*	45.019 N	141.706 E	271 *	4.5	0.9	37	HOKKAIDO, JAPAN REGION
22	04	53	44.7	7.195 N	79.706 W	33 N	4.5	1.3	42	SOUTH OF PANAMA. MD 4.7 (UPA).
22	05	21	43.9*	34.793 N	116.297 W	4			11	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
22	05	55	51.8*	51.571 N	179.088 W	78 *	4.5	1.0	41	ANDREANOF ISLANDS, ALEUTIAN IS.
22	06	12	10.9*	15.908 N	60.435 W	33 N		0.7	15	LEEWARD ISLANDS. MD 3.6 (TRN). ML 3.2 (FDF).
22	06	20	02.5*	15.93 N	60.26 W	10 G		0.3	5	LEEWARD ISLANDS. ML 2.3 (FDF).
22	06	46	48.9*	42.329 N	19.160 E	10 G		0.4	8	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
22	06	55	41.5*	17.59 N	145.94 E	246 *	4.4	1.0	12	MARIANA ISLANDS
22	07	21	34.8	22.564 N	45.099 W	10 G	4.8	0.7	40	NORTHERN MID-ATLANTIC RIDGE
22	07	24	56.3	30.080 N	138.766 E	390 D	4.9	0.8	122	SOUTH OF HONSHU, JAPAN
22	07	51	14.2*	39.628 N	29.321 E	5 G		0.5	5	TURKEY. ML 2.8 (ISK).
22	08	23	11.8*	49.692 N	18.782 E	5 G		0.7	5	CZECH AND SLOVAK REPUBLICS. ML 3.2 (CLL).
22	08	47	13.7	44.454 N	7.302 E	10 G		0.7	17	NORTHERN ITALY. ML 2.8 (GEN), 2.8 (LDG).
22	08	50	53.8*	6.904 N	73.005 W	160 *	4.3	1.0	6	NORTHERN COLOMBIA
22	09	36	44.3*	39.583 N	29.311 E	5 G		0.5	5	TURKEY. ML 2.8 (ISK).
22	09	56	00.2*	62.082 N	149.486 W	45			92	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
22	10	36	55.8*	13.12 N	58.82 W	10 G		0.2	9	NORTH ATLANTIC OCEAN. MD 3.9 (TRN). ML 3.9 (FDF).
22	11	20	08.8	39.891 N	140.768 E	53	4.4	1.0	23	EASTERN HONSHU, JAPAN
22	11	22	45.2*	63.054 N	150.738 W	116			53	CENTRAL ALASKA. <AEIC>.
22	12	19	20.8*	59.589 N	153.188 W	104			47	SOUTHERN ALASKA. <AEIC>.
22	12	21	03.6*	51.360 N	16.168 E	10 G		0.9	5	POLAND
22	12	39	13.0*	28.69 N	34.67 E	10 G		0.9	4	EGYPT. MD 3.2 (RYD).
22	12	51	01.5*	19.820 N	109.189 W	10 G	4.1	0.8	29	REVILLA GIGEDO ISLANDS REGION
a 22	14	24	33.9	32.240 S	71.836 W	27 D	5.6 5.2	0.9	135	NEAR COAST OF CENTRAL CHILE. Mw 5.5 (HRV). Ms 5.1 (BRK). Felt (IV) at Guardia Vieja, Los Andes, Petorca, San Felipe, Valparaiso and Zapallar; (II) at Illapel, Los Vilos and Santiago.
22	15	21	20.2*	59.446 N	152.867 W	83			52	SOUTHERN ALASKA. <AEIC>.
22	15	37	32.0*	39.924 N	29.053 E	10 G		0.5	10	TURKEY. ML 3.1 (ISK).
22	15	45	19.9*	51.154 N	15.638 E	10 G		0.4	5	POLAND. ML 2.5 (CLL).
22	16	01	59.5*	37.77 N	13.99 W	10 G	3.5	0.6	12	NORTH ATLANTIC OCEAN. mbLg 3.1 (MDD).
22	18	16	55.8*	45.649 N	26.603 E	33 N		0.8	5	ROMANIA
22	18	24	18.2*	6.397 S	131.735 E	55 ?	4.6	1.1	14	TANIMBAR ISLANDS REG., INDONESIA
22	18	41	01.9	21.253 N	121.655 E	60	4.6	0.9	30	TAIWAN REGION. Felt (II RF) at Basco, Philippine Islands.
22	19	31	24.9*	21.262 N	121.694 E	67 *	4.6	1.0	22	TAIWAN REGION
22	22	19	43.0*	45.692 N	120.163 W	0			52	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.9 (SEA).
22	22	50	51.4*	39.604 N	26.359 E	10 G		1.1	9	TURKEY. ML 3.4 (ISK).
22	23	06	33.9*	38.750 N	119.622 W	3			30	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.7 (GS).
22	23	10	59.7*	38.67 N	27.68 E	10 G		0.3	4	TURKEY. ML 2.8 (ISK).
23	00	02	18.9*	32.130 S	72.086 W	10 G		0.8	14	OFF COAST OF CENTRAL CHILE. MD 4.9 (SAN).
23	01	06	21.0*	30.693 S	71.412 W	70 *		0.8	16	NEAR COAST OF CENTRAL CHILE. MD 5.0 (SAN).
23	01	46	47.9*	39.624 N	26.216 E	10 G		0.5	9	TURKEY. ML 3.4 (ISK).
23	02	04	49.2*	40.599 N	122.116 W	25			31	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.1 (GS), 3.3 (BRK). Felt in the Redding area.
23	02	11	37.3	76.401 N	145.754 E	10 G	4.6	0.9	48	NEW SIBERIAN ISLANDS, RUSSIA
a 23	02	37	55.4	37.184 N	142.123 E	25 D	5.4 5.0	0.8	227	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV).
23	02	52	20.9	18.428 N	61.528 W	31	5.0 4.6	0.8	148	LEEWARD ISLANDS. MD 4.8 (TRN). ML 4.8 (FDF). Felt (II) on the Virgin Islands.
23	03	33	00.7	38.839 N	119.653 W	5 G		0.8	7	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS).
23	03	39	04.9*	45.90 N	14.59 E	10 G		0.1	4	NORTHWESTERN BALKAN REGION. MD 2.0 (LJU).
23	04	02	50.6*	21.54 N	107.49 E	33 N	4.6	0.9	9	SOUTHEAST ASIA
23	04	08	09.0*	33.97 S	72.05 W	10 G		0.5	9	OFF COAST OF CENTRAL CHILE. MD 3.5 (SAN).
23	04	08	29.6*	26.40 S	27.49 E	5 G		0.4	4	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
23	04	29	36.0*	38.729 N	119.631 W	0			4	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
23	04	49	21.5*	39.613 N	26.451 E	5 G		0.6	7	TURKEY. ML 3.1 (ISK).
23	04	55	55.3*	32.210 S	71.747 W	33 N		1.2	14	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
23	05	13	49.7*	18.520 N	61.352 W	10 G		0.7	14	LEEWARD ISLANDS. ML 4.4 (FDF).
23	06	27	48.1*	18.085 N	98.147 W	33 N		0.5	5	CENTRAL MEXICO
23	06	34	24.1*	32.15 S	71.79 W	5 G		0.8	10	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
23	07	25	05.6*	44.517 N	8.481 E	10 G		0.2	7	NORTHERN ITALY. ML 2.1 (GEN).
23	07	31	05.8	34.771 N	26.420 E	33 N	4.3	0.8	28	CRETE
a 23	07	59	38.9	3.379 S	148.537 E	33 N	5.7 6.0	1.2	205	BISMARCK SEA. Mw 6.0 (GS), 6.1 (HRV). Ms 6.1 (BRK). Mo=2.1*10**18 Nm (PPT).
23	08	51	29.9*	39.78 N	26.03 E	5 G		0.4	4	TURKEY. ML 2.9 (ISK).
23	08	59	24.4*	32.73 S	71.73 W	33 N		0.2	8	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
23	09	05	52.0*	39.14 N	27.70 E	10 G		0.8	4	TURKEY. ML 2.8 (ISK).
23	09	07	19.0*	58.598 N	137.549 W	10 G			3	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.0 (PGC).
23	09	10	39.3*	43.47 N	19.38 E	10 G		0.9	8	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
23	09	13	02.4*	39.26 N	27.71 E	10 G		1.3	4	TURKEY. ML 2.7 (ISK).
23	09	19	00.1*	16.57 N	61.14 W	10 G		0.3	5	LEEWARD ISLANDS. ML 2.0 (FDF).
23	10	11	14.1*	39.68 N	26.11 E	10 G		1.1	5	TURKEY. ML 3.1 (ISK).
23	10	17	40.5*	39.036 N	27.716 E	10 G		0.7	5	TURKEY. ML 3.0 (ISK).
23	10	38	43.5*	32.44 S	71.79 W	10 G		0.7	12	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
23	10	54	18.2	37.147 N	142.232 E	33 N	4.7	1.1	38	OFF EAST COAST OF HONSHU, JAPAN
23	11	08	02.9	9.461 S	112.916 E	72 *	4.9	0.9	26	SOUTH OF JAWA, INDONESIA
23	11	18	15.4*	39.434 N	28.424 E	10 G		0.7	8	TURKEY. ML 3.1 (ISK).
23	11	35	26.9*	37.961 N	141.559 E	10 G	4.6	0.4	7	NEAR EAST COAST OF HONSHU, JAPAN
23	11	37	30.4	40.714 N	23.568 E	10 G	4.2	1.4	53	GREECE. ML 4.2 (TTG).
23	11	54	53.1	40.514 N	23.626 E	10 G	3.7	1.4	20	GREECE
23	13	53	20.7*	8.56 S	116.76 E	96 ?	4.1	0.8	5	SUMBAWA REGION, INDONESIA
23	14	02	34.2*	38.47 N	26.00 E	10 G		0.4	4	AEGEAN SEA. ML 2.9 (ISK).
23	14	40	38.3*	37.14 N	142.35 E	33 N	3.7	0.4	4	OFF EAST COAST OF HONSHU, JAPAN
23	15	27	20.3*	32.32 S	71.72 W	33 N		1.1	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
23	15	41	24.7	37.084 N	4.226 W	10 G		1.2	17	SPAIN. mbLg 3.1 (MDD).
23	15	49	16.4*	11.609 N	124.571 E	31 *	4.5	1.4	13	LEYTE, PHILIPPINE ISLANDS. Felt (II RF) on Cebu and

23	15 49 55.47	26.43 S	27.38 E	5 G	1.5	4	Mactan. Also felt (II RF) at Palo, Leyte.
23	16 16 56.18	61.400 N	147.131 W	13	105	4	REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).
23	17 09 18.87	11.04 N	62.24 W	100 G	0.0	4	SOUTHERN ALASKA. <AEIC>. ML 3.7 (AEIC), 3.8 (PMR).
23	17 19 08.17	32.47 S	71.44 W	33 N	0.3	7	WINDWARD ISLANDS. MD 3.0 (TRN).
23	17 46 47.4	22.166 N	98.520 E	33 N	4.5	1.2	15 NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
23	19 00 25.1*	40.278 N	33.502 E	10 G	0.7	5	MYANMAR-CHINA BORDER REGION
23	19 08 57.2*	23.132 S	66.475 W	216 *	4.3	1.2	14 TURKEY
a 23	19 15 44.4	36.045 N	100.146 E	33 N	5.1 4.5	1.1	127 JUJUY PROVINCE, ARGENTINA
23	20 22 34.8	35.171 N	5.897 W	33 N	1.2	12	QINGHAI, CHINA. Mw 5.3 (HRV).
23	21 03 53.6*	33.586 S	70.902 W	70 G	0.2	11	12 STRAIT OF GIBRALTAR. mbLg 3.4 (MDD). MD 2.9 (RBA).
23	22 03 15.0	38.901 N	119.693 W	5 G	1.1	36	11 CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
							36 CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (GS), 3.6 (BRK). Double event.
23	23 33 57.9	17.290 N	65.776 W	10 G	0.5	26	26 PUERTO RICO REGION. MD 4.4 (TRN). ML 4.3 (FDF).
24	01 23 18.2	6.823 N	72.920 W	160	4.3	1.1	16 NORTHERN COLOMBIA
24	01 25 25.37	41.51 N	30.15 W	10 G	4.4 3.9	1.0	22 AZORES ISLANDS REGION
24	01 45 11.2*	38.616 N	2.498 W	10 G	1.1	15	15 SPAIN. mbLg 3.0 (MDD).
24	02 16 38.78	38.820 N	119.730 W	0		36	36 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
							ML 2.8 (GS), 3.1 (BRK).
a 24	02 59 03.1	33.362 S	71.328 W	50 G	0.9	12	12 NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
24	03 25 37.3	14.477 S	166.644 E	33 N	5.1	1.0	58 VANUATU ISLANDS. Mw 5.3 (HRV).
24	03 32 30.6	32.079 S	68.403 W	9	1.2	23	23 MENDOZA PROVINCE, ARGENTINA. MD 4.3 (SAN).
24	03 32 33.38	60.309 N	152.049 W	73		95	95 SOUTHERN ALASKA. <AEIC>.
24	04 15 35.77	34.24 N	24.99 E	10 G	3.2	0.9	5 CRETE
24	04 18 17.8	44.530 N	6.894 E	8	0.7	44	44 FRANCE. ML 3.1 (GEN), 3.1 (LDG).
24	04 47 58.97	34.52 S	70.35 W	5 G	0.8	10	10 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
24	05 06 04.47	1.94 N	95.76 E	33 N	4.7	1.5	6 OFF W COAST OF NORTHERN SUMATERA
24	06 17 00.1	46.483 N	7.367 E	5 G	0.9	27	27 SWITZERLAND. ML 3.0 (LDG).
24	06 49 26.28	38.759 N	119.646 W	0		31	31 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
							ML 2.7 (GS).
24	08 01 20.47	39.23 N	27.85 E	10 G	0.5	4	4 TURKEY. ML 2.7 (ISK).
24	08 34 02.87	18.60 N	66.32 W	10 G	1.8	5	5 PUERTO RICO REGION
24	08 53 05.57	39.02 N	27.19 E	10 G	0.9	4	4 TURKEY. ML 2.7 (ISK).
24	08 57 17.9*	35.648 N	0.513 W	10 G	0.9	12	12 NORTHERN ALGERIA. mbLg 3.2 (MDD).
24	09 02 16.27	39.11 N	27.61 E	10 G	0.5	4	4 TURKEY. ML 2.8 (ISK).
24	09 04 14.77	29.99 N	139.68 E	271 ?	4.1	0.9	8 SOUTH OF HONSHU, JAPAN
24	09 25 03.3	51.296 N	173.058 W	33 N	4.4	0.9	30 ANDREANOF ISLANDS, ALEUTIAN IS.
24	09 27 16.9*	39.702 N	29.474 E	10 G	1.1	7	7 TURKEY. ML 2.7 (ISK).
24	10 00 46.0	44.801 N	141.249 E	254	4.2	1.0	32 HOKKAIDO, JAPAN REGION
24	10 50 39.2	36.650 N	7.824 W	34	4.3	1.0	74 STRAIT OF GIBRALTAR. mbLg 4.4 (MDD). MD 4.2 (RBA). Felt (IV) in the Faro area, Portugal.
							4 TURKEY. ML 2.7 (ISK).
24	10 57 15.27	39.66 N	29.43 E	10 G	0.5	53	53 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM).
24	11 17 07.08	38.812 N	119.644 W	7			ML 3.3 (GS), 3.7 (BRK).
							7 REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
24	11 23 48.2*	26.352 S	27.615 E	5 G	0.8	4	4 TURKEY. ML 2.8 (ISK).
24	11 25 15.67	39.23 N	27.94 E	10 G	0.8	4	4 TURKEY. ML 2.6 (ISK).
24	11 30 08.17	39.92 N	28.77 E	5 G	0.6	4	4 TURKEY. ML 2.6 (ISK).
24	11 59 52.78	38.816 N	119.691 W	0		12	12 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM).
							ML 2.6 (GS).
24	12 23 57.6*	40.888 N	29.281 E	10 G	0.4	5	5 TURKEY. ML 2.5 (ISK).
24	12 27 24.87	39.67 N	29.34 E	5 G	0.8	4	4 TURKEY. ML 2.7 (ISK).
24	12 50 31.38	38.811 N	119.640 W	6		48	48 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM).
							ML 3.2 (GS), 3.4 (BRK).
24	13 08 10.8	40.690 N	29.490 E	10 G	1.2	7	7 TURKEY. ML 2.6 (ISK).
24	13 18 52.2*	39.625 N	29.286 E	10 G	1.0	6	6 TURKEY. ML 2.8 (ISK).
24	13 46 13.28	38.747 N	119.645 W	1		37	37 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
							ML 2.9 (GS), 3.2 (BRK).
24	13 58 47.1*	26.922 S	26.747 E	5 G	1.0	7	7 REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
24	14 03 15.87	34.97 S	71.12 W	100 G	0.5	10	10 NEAR COAST OF CENTRAL CHILE
24	14 11 17.77	41.11 N	28.44 E	5 G	0.5	4	4 TURKEY. ML 2.7 (ISK).
24	15 04 41.4	44.688 N	110.551 W	5 G	3.4	0.6	30 YELLOWSTONE REGION, WYOMING. ML 3.8 (GS). Felt (IV) at Artist Point, Grizzly Overlook, Hayden Valley and Mud Volcano; (III) at Canyon Village, Lake and Norris Junction.
							6 NEAR N COAST OF NEW GUINEA, PNG.
24	15 22 36.97	4.88 S	144.47 E	33 N	3.5	1.0	47 SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
24	15 24 34.98	61.363 N	150.421 W	48		0.4	15 FRANCE. ML 2.3 (GEN), 2.1 (LDG).
24	17 14 23.2	44.536 N	6.891 E	10 G		0.9	15 SOUTH OF FIJI ISLANDS
24	17 25 09.47	24.72 S	178.29 E	611 ?	4.8	1.3	199 BALEARIC ISLANDS. ML 5.0 (LDG). mbLg 4.5 (MDD). Felt (III) in the epicentral area.
24	17 55 01.1	40.973 N	4.670 E	33 N	5.0		29 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
							ML 2.6 (GS).
24	18 27 32.98	38.754 N	119.639 W	0		26	26 TURKEY. ML 3.6 (ISK).
24	19 57 23.0	36.392 N	31.410 E	10 G	0.8	15	15 SOUTH OF FIJI ISLANDS
24	20 53 09.87	26.35 S	178.28 E	561 ?	4.8	1.1	4 GERMANY. ML 1.6 (GRF).
24	21 41 35.67	50.15 N	12.62 E	10 G		0.8	19 NEAR EAST COAST OF HONSHU, JAPAN
24	21 49 48.0	37.177 N	141.350 E	72 *	4.3	0.9	10 ALBANIA. ML 2.9 (TTG).
24	22 07 21.17	40.64 N	19.94 E	33 N		1.4	6 GUERRERO, MEXICO
24	22 26 16.3*	18.724 N	100.982 W	33 N		23	23 SANTA CRUZ ISLANDS REGION
24	23 48 39.6*	10.927 S	164.214 E	33 N	4.7		12 NORTHWESTERN BALKAN REGION. ML 3.2 (SKO), 3.2 (TTG). MD 3.3 (ATH). Felt (IV) in the Bitola-Resen area.
25	00 01 14.7	41.079 N	21.400 E	10 G			15 FIJI ISLANDS REGION
25	00 26 13.07	19.83 S	179.64 W	681 ?	4.6	0.8	13 GASPE PENINSULA, CANADA. <OTT-P>. mbLg 4.3 (OTT). Felt at Baie-St.-Paul, Clermont, La Malbaie, Les Eboulements, Notre-Dame-des-Monts, Pointe-au-Pic, St.-Aime-des-Lacs, St.-Hilarion, St.-Urbain and on Ile-aux-Coudres. Felt from Jonquiere, Quebec to northwestern New Brunswick. Felt (IV) at Fort Kent, St. Francis and St. John; (III) at Fort Kent Mills and Frenchville, Maine.
25	00 53 28.08	47.770 N	69.960 W	17	4.1	1.6	40 XIZANG
							40 SAN JUAN PROVINCE, ARGENTINA. Felt (III) at Mendoza, Mendoza Province.

25	01	48	56.7%	34.082 S	70.310 W	10 G			0.2	5	CHILE-ARGENTINA BORDER REGION
25	01	59	59.1%	38.817 N	119.678 W	7				44	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.1 (GS), 3.3 (BRK).
25	02	14	38.8%	39.52 N	29.23 E	10 G			0.7	4	TURKEY. ML 2.7 (ISK).
25	02	46	36.5%	0.23 S	125.46 E	33 N	4.7 4.4		1.2	7	SOUTHERN MOLUCCA SEA
25	02	49	26.6%	38.759 N	119.568 W	3				40	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (GS), 3.0 (BRK).
25	03	27	57.2	43.533 N	19.541 E	10 G			1.2	20	NORTHWESTERN BALKAN REGION. ML 3.2 (TTG), 3.2 (TIR).
25	03	51	54.3	42.844 N	7.605 E	10 G			1.0	95	WESTERN MEDITERRANEAN SEA. ML 3.8 (LDG). mbLg 3.4 (MDD).
25	04	28	11.2%	18.93 N	67.37 W	10 G			0.7	5	MONA PASSAGE
25	04	28	25.4%	32.44 S	72.08 W	5 G			0.5	11	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
25	05	14	31.6	41.566 N	20.970 E	10 G			1.0	13	ALBANIA. ML 3.3 (TTG).
25	05	59	58.9	42.859 N	0.299 W	5 G			0.9	9	PYRENEES. ML 2.6 (LDG).
25	07	27	31.3%	5.59 S	146.23 E	64 ?			0.3	5	EASTERN NEW GUINEA REG., P.N.G.
25	08	45	25.2%	39.138 N	27.645 E	10 G			1.0	5	TURKEY. ML 2.9 (ISK).
25	09	46	36.8%	26.428 S	27.354 E	5 G			0.5	6	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
25	10	03	02.8%	37.56 N	30.78 E	10 G			0.6	4	TURKEY. ML 3.1 (ISK).
25	10	36	00.5%	61.239 N	151.339 W	65				10	SOUTHERN ALASKA. <AEIC>. ML 2.4 (AEIC), 2.7 (PMR).
25	10	37	44.6%	28.77 N	34.76 E	10 G			1.0	4	EGYPT
25	10	55	30.6%	40.002 N	28.088 E	10 G			0.5	9	TURKEY. ML 3.0 (ISK).
25	12	47	04.4%	58.362 N	154.914 W	10 G				31	ALASKA PENINSULA. <AEIC>. ML 3.3 (AEIC).
25	14	07	02.3	42.898 N	7.671 E	10 G			1.0	20	WESTERN MEDITERRANEAN SEA. ML 3.0 (LDG).
25	14	39	41.1%	45.13 N	14.59 E	10 G			1.2	6	NORTHWESTERN BALKAN REGION. ML 1.9 (LJU).
25	14	41	50.4%	6.036 S	153.201 E	226 ?	4.4		0.8	16	NEW BRITAIN REGION, P.N.G.
25	14	50	47.5%	44.356 N	6.495 E	5 G			0.2	10	FRANCE
25	15	00	56.7%	39.117 N	27.772 E	10 G			0.7	9	TURKEY. ML 3.1 (ISK).
25	15	06	05.9	58.044 N	142.917 W	10 G			0.8	76	GULF OF ALASKA. ML 3.5 (AEIC), 3.7 (PMR).
25	15	31	50.1%	6.98 S	154.44 E	76 ?	4.4		1.0	7	SOLOMON ISLANDS
25	15	44	55.7%	22.530 N	118.941 E	33 N	4.3		0.8	8	TAIWAN REGION
25	15	55	09.3%	35.833 N	21.888 E	33 N	3.8		1.4	8	CENTRAL MEDITERRANEAN SEA
25	16	11	54.0%	57.649 N	153.824 W	73				58	KODIAK ISLAND REGION. <AEIC>.
25	17	02	49.1%	17.979 N	101.236 W	33 N	4.2		1.5	17	NEAR COAST OF GUERRERO, MEXICO
25	19	00	04.3%	4.26 S	135.90 E	33 N	4.4		1.0	4	IRIAN JAYA REGION, INDONESIA
25	20	06	53.7%	6.393 N	126.120 E	25 ?	4.6		0.9	10	MINDANAO, PHILIPPINE ISLANDS
25	20	14	27.0%	33.142 S	70.290 W	10 G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
25	21	06	07.6%	36.271 N	141.447 E	10 G	4.3		1.2	13	NEAR EAST COAST OF HONSHU, JAPAN
25	22	05	26.7%	41.089 N	78.567 E	33 N	4.5		1.4	27	KYRGYZSTAN-XINJIANG BORDER REG.
25	22	15	37.5	38.835 N	119.624 W	5 G			1.2	8	CALIFORNIA-NEVADA BORDER REGION. MD 2.9 (GM).
25	22	30	29.6%	38.759 N	119.645 W	0				53	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.6 (GM). ML 3.5 (GS), 3.8 (BRK).
25	22	43	00.1%	59.813 N	141.574 W	13				15	SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC).
25	22	56	03.9%	38.785 N	119.716 W	1				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
25	22	56	12.7%	39.01 N	23.75 E	10 G			1.4	4	AEGEAN SEA. MD 3.0 (ATH).
25	23	10	35.3%	17.031 N	97.000 W	65 ?			1.4	8	OAXACA, MEXICO
25	23	17	06.6%	42.273 N	19.476 E	10 G			0.5	8	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
26	00	53	27.9%	18.429 N	67.045 W	10 G			0.8	6	MONA PASSAGE
26	01	00	38.0%	38.153 N	28.897 E	5 G			0.6	5	TURKEY. ML 3.1 (ISK).
26	01	10	25.4	42.069 N	19.660 E	10 G			1.0	13	NORTHWESTERN BALKAN REGION. ML 3.1 (TTG).
26	01	21	45.5	38.931 N	107.484 W	1 G			0.9	15	COLORADO. ML 3.1 (GS). Coal bump.
26	01	52	33.8%	45.344 N	151.629 E	33 N	4.5		0.8	20	KURIL ISLANDS
26	03	07	24.4%	38.839 N	119.673 W	0				25	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.7 (GS).
26	03	28	04.9%	31.698 N	115.908 W	19				5	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.1 (ECX).
26	03	42	42.6%	23.91 S	66.84 W	266 ?			0.9	8	JUJUY PROVINCE, ARGENTINA
26	03	45	14.0	47.374 N	15.234 E	10 G			1.2	11	AUSTRIA. ML 2.6 (LJU), 2.4 (VIE). Felt (IV) at Leoben.
26	04	08	36.7%	38.943 N	27.004 E	10 G			0.9	5	TURKEY. ML 3.0 (ISK).
26	04	30	59.9	19.576 N	109.048 W	10 G	4.5 4.1		1.2	50	REVILLA GIGEDO ISLANDS REGION
26	04	41	37.9%	20.121 N	121.382 E	47 *	4.6		1.0	13	PHILIPPINE ISLANDS REGION. Felt (III RF) at Basco.
26	05	38	41.9	41.362 N	2.688 E	33 N			1.3	89	SPAIN. ML 4.2 (LDG), 3.6 (CFF). mbLg 3.6 (MDD). Felt (IV) in the Barcelona area.
26	06	23	39.6	5.468 S	147.016 E	214	4.8		0.7	25	EASTERN NEW GUINEA REG., P.N.G.
26	07	01	41.1%	38.718 N	119.754 W	0				42	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (GS), 3.2 (BRK).
26	07	01	57.6%	38.031 N	26.981 E	10 G			0.7	6	AEGEAN SEA. ML 3.3 (ISK).
26	07	02	44.0%	37.11 N	3.50 W	10 G			0.9	4	SPAIN. mbLg 2.3 (MDD).
26	07	21	05.3	43.578 N	19.622 E	5 G			1.0	25	NORTHWESTERN BALKAN REGION. ML 3.5 (TTG).
26	07	52	06.9%	39.08 N	27.67 E	10 G			0.8	4	TURKEY. ML 2.7 (ISK).
26	08	08	33.6%	26.424 S	27.572 E	5 G			0.5	5	REPUBLIC OF SOUTH AFRICA. ML 3.3 (PRE).
26	08	58	03.9%	11.33 S	113.26 E	33 N	4.7		1.5	8	SOUTH OF JAWA, INDONESIA
26	08	58	09.4%	34.796 N	116.297 W	5				39	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.4 (GS).
26	09	09	59.6%	39.220 N	27.767 E	10 G			0.7	5	TURKEY. ML 2.8 (ISK).
26	09	31	08.5	43.551 N	19.621 E	10 G			0.9	18	NORTHWESTERN BALKAN REGION. ML 3.2 (TTG).
26	09	52	06.0%	39.11 N	27.71 E	10 G			0.1	4	TURKEY. ML 2.8 (ISK).
26	10	26	06.2%	0.829 N	28.832 W	10 G	4.9 4.7		0.9	15	CENTRAL MID-ATLANTIC RIDGE
26	10	31	01.6%	40.593 N	125.750 W	25				2	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
26	10	57	21.6%	34.795 N	116.295 W	5				8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
26	11	59	08.3%	39.10 N	27.70 E	10 G			0.8	4	TURKEY. ML 2.8 (ISK).
26	12	02	00.4%	59.125 N	153.291 W	82				46	SOUTHERN ALASKA. <AEIC>.
26	12	05	11.8%	59.186 N	153.386 W	97				69	SOUTHERN ALASKA. <AEIC>.
26	12	05	31.4%	3.529 N	125.620 E	154 *	4.9		1.1	52	TALAUD ISLANDS, INDONESIA
26	12	48	33.8%	33.990 S	70.556 W	100 G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
26	12	58	52.8%	39.232 N	28.505 E	10 G			0.7	6	TURKEY. ML 2.7 (ISK).
26	13	30	12.7%	39.24 N	27.73 E	10 G			0.8	4	TURKEY. ML 2.8 (ISK).
26	13	41	54.4%	8.68 S	118.16 E	33 N	4.5		1.5	8	SUMBAWA REGION, INDONESIA
26	13	54	07.4%	28.78 N	34.72 E	10 G			0.8	4	EGYPT. MD 3.4 (RYD).
26	14	18	49.3%	39.51 N	29.55 E	10 G			0.5	5	TURKEY. ML 2.6 (ISK).
26	14	23	22.0	36.929 N	88.935 W	5 G			0.6	21	TENNESSEE. mbLg 3.6 (GS). MD 3.5 (SLM). Felt (V) at Bardwell, Paducah and Wickliffe; (III) at Clinton and La Center; (II) at Kevil, Kentucky. Also felt (III) at Brookport, Illinois. Felt in Ballard, Carlisle, Graves, Livingston and McCracken Counties, Kentucky and in Alexander, Pulaski and Massac Counties, Illinois.

26	14 44 20.5%	44.318 N	77.305 E	5 G	0.5	9	NORTHERN ITALY. ML 2.2 (GEN).		
26	14 48 22.3%	32.689 S	70.753 W	80 G	0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).		
26	15 56 25.6%	39.096 N	27.587 E	10 G	0.5	5	TURKEY. ML 2.7 (ISK).		
26	16 18 14.2%	63.369 N	155.489 W	17		42	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.5 (PMR).		
26	16 30 09.0?	47.20 N	11.20 E	10 G	0.6	4	AUSTRIA		
26	17 02 48.0%	33.135 S	70.277 W	10 G	0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).		
26	17 27 18.5?	28.52 N	34.60 E	10 G	0.2	4	EGYPT. MD 4.4 (RYD).		
26	17 33 54.3?	35.58 N	1.00 W	10 G	2.8	0.2	5	NORTHERN ALGERIA	
26	18 37 49.8%	40.761 N	27.648 E	10 G	0.4	6	TURKEY. ML 2.7 (ISK).		
26	19 11 19.1?	28.77 N	34.74 E	10 G	0.9	4	EGYPT		
26	20 02 09.7	36.632 N	8.007 W	10 G	0.9	20	WEST OF GIBRALTAR. MD 3.1 (RBA). mbLg 3.0 (MDD).		
26	20 57 04.2%	26.402 S	27.412 E	5 G	0.9	6	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).		
26	21 05 07.4?	38.85 N	28.61 E	10 G	0.1	4	TURKEY. ML 2.8 (ISK).		
a 26	21 31 19.9	3.125 S	127.468 E	33 N	5.2	4.6	1.1	69	SERAM, INDONESIA. Mw 5.4 (HRV).
26	22 11 02.0%	38.762 N	119.633 W	0		46			CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.0 (GS), 3.3 (BRK).
26	22 12 18.8?	19.04 N	66.38 W	33 N	0.9	6			PUERTO RICO REGION
26	22 36 02.6%	62.287 N	151.369 W	89		85			CENTRAL ALASKA. <AEIC>.
26	22 54 39.8*	35.334 N	3.995 W	10 G	1.4	6			STRAIT OF GIBRALTAR
27	00 20 50.1*	22.613 N	118.868 E	33 N	4.5	0.9	8		TAIWAN REGION
27	01 08 16.0%	38.813 N	119.672 W	1		49			CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (GS), 3.2 (BRK).
27	02 17 17.1?	20.92 S	174.64 W	145 ?	4.5	1.1	15		TONGA ISLANDS
27	02 58 28.0%	59.965 N	151.550 W	54		50			KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
27	03 11 28.5?	42.07 N	20.38 E	10 G	0.8	8			NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
27	03 22 22.0%	62.508 N	151.076 W	86		85			CENTRAL ALASKA. <AEIC>.
27	03 24 17.6?	18.16 N	67.13 W	33 N	0.4	5			MONA PASSAGE
27	03 28 34.1?	18.76 N	66.59 W	33 N	0.5	5			PUERTO RICO REGION
27	05 53 20.1%	39.969 N	27.453 E	10 G	0.5	10			TURKEY. ML 2.9 (ISK).
27	06 05 46.2%	60.051 N	152.659 W	88		100			SOUTHERN ALASKA. <AEIC>.
27	06 13 32.2	49.801 N	147.740 E	585	4.5	0.7	183		SEA OF OKHOTSK
27	07 58 34.6*	36.063 S	148.443 E	10 G	1.2	5			NEW SOUTH WALES, AUSTRALIA
27	08 14 08.2	43.912 N	7.132 E	5 G	0.8	14			NEAR SOUTH COAST OF FRANCE. ML 2.7 (GEN), 2.4 (LDG).
27	08 15 34.6%	39.101 N	27.671 E	10 G	0.2	5			TURKEY. ML 2.9 (ISK).
27	08 19 56.3%	34.045 S	70.056 W	10 G	0.3	10			CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
27	08 44 34.8	39.433 N	28.435 E	10 G	0.4	9			TURKEY. ML 2.9 (ISK).
27	08 45 15.1?	16.56 N	61.37 W	33 N	0.0	5			LEEWARD ISLANDS. ML 2.1 (FDF).
27	08 51 03.5%	41.661 N	24.046 E	10 G	1.4	8			GREECE-BULGARIA BORDER REGION
27	08 51 42.1%	39.683 N	29.454 E	5 G	0.5	9			TURKEY. ML 2.7 (ISK).
27	09 05 00.3%	39.222 N	27.797 E	10 G	0.4	5			TURKEY. ML 2.8 (ISK).
27	09 29 35.9	39.652 N	29.337 E	10 G	0.6	6			TURKEY. ML 2.7 (ISK).
27	09 36 14.1	33.995 S	70.158 W	10 G	0.4	12			CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
27	09 54 43.8?	39.10 N	27.65 E	5 G	0.7	4			TURKEY. ML 2.8 (ISK).
27	09 59 27.9%	40.760 N	27.468 E	10 G	0.8	6			TURKEY. ML 2.7 (ISK).
27	10 15 44.8%	39.780 N	29.443 E	10 G	0.7	6			TURKEY. ML 2.7 (ISK).
27	10 28 32.0%	33.740 S	71.230 W	60 G	0.3	10			NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
27	10 41 33.0%	39.560 N	28.828 E	10 G	0.3	5			TURKEY. ML 2.7 (ISK).
27	11 25 29.5%	40.637 N	124.039 W	28		44			NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.7 (GM). ML 3.6 (BRK), 3.5 (GS). Felt (IV) at Fortuna and Scotia; (III) at Eureka, Loleta, Miranda and Rio Dell.
27	11 35 49.3%	34.026 S	70.059 W	10 G	0.2	10			CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
27	11 41 35.9%	66.086 N	149.119 W	28		16			NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
27	11 44 30.8	33.997 S	70.162 W	10 G	0.8	14			CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
27	11 48 38.2?	39.68 N	29.61 E	10 G	0.5	5			TURKEY. ML 2.6 (ISK).
27	12 00 33.0?	28.78 N	34.71 E	10 G	0.8	4			EGYPT. MD 3.4 (RYD).
27	12 06 56.4	38.816 N	119.627 W	5 G	1.0	39			CALIFORNIA-NEVADA BORDER REGION. ML 2.8 (GS), 3.0 (BRK). MD 3.1 (GM).
27	12 13 20.4*	38.970 N	20.457 E	5 G	1.4	7			GREECE. ML 3.8 (ATH).
27	12 32 37.7%	38.762 N	119.668 W	1		38			CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.8 (GS), 3.2 (BRK).
a 27	12 37 50.4	51.342 N	178.421 E	33 N	5.0	4.8	1.0	144	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.4 (HRV). ML 5.1 (PMR).
27	12 43 50.5%	39.659 N	29.410 E	10 G	0.6	8			TURKEY. ML 2.7 (ISK).
27	13 03 57.6?	45.42 N	14.63 E	5 G	0.8	4			NORTHWESTERN BALKAN REGION
27	13 05 04.7%	38.767 N	119.662 W	1		62			CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.1 (GS), 3.3 (BRK).
27	13 05 31.0%	39.266 N	27.782 E	10 G	0.8	5			TURKEY. ML 2.8 (ISK).
27	14 16 57.6%	16.113 N	61.203 W	10 G	0.5	5			LEEWARD ISLANDS. ML 2.4 (FDF).
27	14 28 46.1*	40.891 N	29.512 E	10 G	0.3	6			TURKEY. ML 2.6 (ISK).
27	14 32 53.6	31.661 N	49.176 E	42 *	4.5	1.5	14		WESTERN IRAN
27	14 33 52.0?	36.88 N	7.59 W	33 N	0.9	9			STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
27	14 54 23.3%	36.706 N	121.332 W	4		68			CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.7 (GS), 3.2 (BRK).
27	15 01 37.4%	63.098 N	150.901 W	129		71			CENTRAL ALASKA. <AEIC>.
27	15 31 29.3%	40.300 N	29.284 E	10 G	0.8	6			TURKEY. ML 2.6 (ISK).
27	16 25 56.2%	58.876 N	154.000 W	96		85			ALASKA PENINSULA. <AEIC>.
27	16 26 45.8%	36.882 N	4.397 W	10 G	0.7	5			STRAIT OF GIBRALTAR. mbLg 2.0 (MDD).
27	16 59 27.2	1.134 N	126.198 E	46 *	5.2	1.0	79		NORTHERN MOUCCA SEA
27	18 11 04.2	8.573 N	94.889 E	190 D	4.5	1.0	50		NICOBAR ISLANDS, INDIA
27	20 02 15.3%	38.734 N	27.304 E	5 G	0.5	11			TURKEY. ML 3.2 (ISK).
27	20 13 06.5%	38.759 N	119.663 W	0		37			CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.6 (GS).
27	20 17 50.3	33.847 S	70.597 W	92 *	0.2	13			CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
27	20 34 19.6?	26.38 S	27.49 E	5 G	0.8	4			REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
27	20 46 14.3*	9.326 N	126.528 E	56 *	4.8	1.1	24		MINDANAO, PHILIPPINE ISLANDS
27	21 10 19.0?	47.76 N	18.21 E	10 G	0.8	4			HUNGARY. ML 2.5 (BRA). Felt in the epicentral area.
27	21 22 01.6%	37.123 N	121.028 W	1		71			CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.1 (GS).
27	21 24 35.7%	40.805 N	20.979 E	22		11			GREECE-ALBANIA BORDER REGION. ML 3.1 (TTG).
27	21 27 58.3*	35.336 N	0.017 W	10 G	0.8	16			NORTHERN ALGERIA. mbLg 3.6 (MDD).
27	21 39 21.2	45.260 N	148.461 E	115	4.7	0.7	64		KURIL ISLANDS
a 27	23 04 51.6	5.680 N	79.185 W	33 N	5.3	5.4	1.3	242	SOUTH OF PANAMA. Mw 6.2 (HRV). Ms 5.4 (BRK). MD 5.5 (UPA). Felt in western Colombia.
27	23 14 31.9*	39.670 S	15.716 W	10 G	4.9	0.9	27		TRISTAN DA CUNHA REGION

27	23 15 49.4%	14.217 N	93.254 W	33 N		0.3	6	NEAR COAST OF CHIAPAS, MEXICO
27	23 19 44.1%	34.816 N	120.936 W	6 G			26	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.7 (GS).
27	23 23 10.2%	38.792 N	119.696 W	0			35	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
27	23 24 49.3	5.871 N	79.102 W	33 N	5.0	0.9	116	SOUTH OF PANAMA
27	23 26 58.8%	35.76 N	21.50 E	10 G		0.8	5	CENTRAL MEDITERRANEAN SEA
28	00 15 09.3%	44.244 N	7.650 E	5 G		0.3	6	NORTHERN ITALY. ML 2.0 (GEN).
28	00 29 09.1%	32.589 S	70.865 W	70 G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
28	00 57 05.1%	34.253 N	119.665 W	11			52	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 3.1 (GS).
28	01 11 14.2%	35.157 N	120.595 W	0			46	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 3.3 (BRK), 3.0 (GS).
28	02 22 06.2%	45.12 N	6.64 E	10 G		0.1	4	FRANCE. ML 2.0 (GEN).
28	02 51 36.4%	34.787 N	116.300 W	4			10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
28	03 05 32.1%	45.01 N	17.84 E	23 *		1.5	6	NORTHWESTERN BALKAN REGION
28	03 23 10.3	41.877 N	20.606 E	45 *	4.3	1.1	54	ALBANIA. MD 4.1 (ATH), 3.9 (TTG). Felt (IV) in the Gostivar-Tetovo area, former Yugoslav Republic of Macedonia.
28	03 29 56.1%	35.19 S	71.40 W	100 G		0.3	10	CENTRAL CHILE. MD 4.0 (SAN).
28	04 04 30.3%	25.630 N	90.647 E	10 G	4.0	1.4	6	INDIA-BANGLADESH BORDER REGION
28	04 38 57.3%	28.591 N	34.889 E	10 G		0.4	6	EGYPT. MD 3.0 (RYD).
28	04 47 58.3%	40.601 N	28.888 E	10 G		0.4	5	TURKEY. ML 2.5 (ISK).
a 28	05 37 35.0	51.313 N	178.388 E	33 N	5.1 5.3	1.0	220	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.8 (HRV). Ms 5.0 (BRK). Mo=6.0*10**17 Nm (PPT).
28	06 36 40.2%	32.096 S	71.256 W	10 G		0.9	11	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
28	07 51 30.3%	39.10 N	27.69 E	5 G		0.1	4	TURKEY. ML 2.8 (ISK).
28	07 52 08.1%	39.15 N	27.57 E	10 G		0.3	4	TURKEY. ML 2.8 (ISK).
28	08 21 34.8%	65.926 N	147.442 W	39			26	NORTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.4 (PMR).
28	08 25 38.9%	39.695 N	29.450 E	10 G		0.5	8	TURKEY. ML 2.7 (ISK).
28	08 47 32.0%	40.73 N	30.09 E	10 G		0.0	4	TURKEY. ML 2.5 (ISK).
28	08 56 55.5%	39.096 N	27.666 E	10 G		0.2	5	TURKEY. ML 2.7 (ISK).
28	08 58 44.6%	39.648 N	29.455 E	5 G		0.4	6	TURKEY. ML 2.7 (ISK).
28	09 28 39.4%	39.64 N	29.32 E	5 G		0.8	4	TURKEY. ML 2.7 (ISK).
28	09 35 07.1%	39.232 N	27.765 E	10 G		0.2	5	TURKEY. ML 2.8 (ISK).
28	09 38 37.4%	30.566 N	32.806 E	10 G		0.3	6	EGYPT. MD 3.8 (HLW).
28	10 13 06.5%	41.12 N	26.51 E	10 G		0.5	5	GREECE-BULGARIA BORDER REGION. ML 2.7 (ISK).
28	10 43 26.5%	36.316 N	5.468 W	33 N		0.8	5	STRAIT OF GIBRALTAR. MG 2.7 (SFS).
28	12 03 15.3%	28.702 N	34.689 E	10 G		0.6	7	EGYPT
28	12 29 00.5%	39.28 N	27.65 E	10 G		0.3	4	TURKEY. ML 2.8 (ISK).
28	12 43 35.1	44.234 N	7.326 E	10 G		0.5	17	NORTHERN ITALY. ML 2.7 (LDG), 2.6 (GEN).
28	12 59 35.1%	39.07 N	27.77 E	5 G		0.3	4	TURKEY. ML 2.7 (ISK).
28	13 23 53.9%	39.16 N	27.51 E	10 G		0.5	4	TURKEY. ML 2.7 (ISK).
28	13 33 32.7%	33.042 S	68.903 W	5 G		0.6	11	MENDOZA PROVINCE, ARGENTINA. MD 4.1 (SAN). Felt (II) at Mendoza.
28	14 00 49.1%	34.065 S	69.987 W	5 G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
28	14 03 51.6%	2.09 N	127.28 E	80 ?	4.6	1.0	8	NORTHERN MOLUCCA SEA
28	16 00 31.2%	41.51 N	27.01 E	10 G		0.1	6	TURKEY. ML 3.0 (ISK).
a 28	16 39 51.6	5.786 S	110.352 E	638 G	5.9	1.0	554	JAVA SEA. Mw 6.6 (GS), 6.6 (HRV). Depth from broadband displacement seismograms.
28	16 42 36.7	39.515 N	19.637 E	33 N		0.5	14	GREECE-ALBANIA BORDER REGION. ML 3.6 (TTG). MD 3.6 (ATH).
28	16 46 06.4%	23.34 N	88.55 E	33 N	4.6	1.3	20	INDIA-BANGLADESH BORDER REGION
a 28	17 33 58.2	5.731 S	110.364 E	628 D	5.5	0.9	298	JAVA SEA. Mw 6.0 (HRV).
28	17 36 02.2%	44.548 N	7.287 E	13 *		0.2	9	NORTHERN ITALY. ML 2.1 (GEN).
28	17 48 48.3%	37.92 N	22.65 E	5 G		0.5	4	SOUTHERN GREECE. ML 3.0 (ATH).
28	20 19 36.7%	39.099 N	27.713 E	10 G		0.2	5	TURKEY. ML 2.8 (ISK).
a 28	21 22 10.8	4.708 S	102.200 E	46 D	5.3 4.9	1.1	99	SOUTHERN SUMATERA, INDONESIA. Mw 5.5 (HRV).
28	21 36 17.9%	36.000 N	21.488 E	5 G		1.3	26	SOUTHERN GREECE. ML 3.8 (ATH).
28	22 43 59.1%	46.075 N	3.085 E	10 G		0.4	8	FRANCE. ML 1.9 (LDG).
29	00 10 06.8%	26.08 S	178.14 W	33 N	3.7	1.3	4	SOUTH OF FIJI ISLANDS
29	00 20 07.3%	40.61 N	21.70 E	10 G		0.8	4	GREECE. MD 3.3 (ATH).
29	00 54 03.3%	27.965 N	51.856 E	33 N	3.8	1.1	8	PERSIAN GULF
29	01 56 11.9%	38.88 N	28.25 E	5 G		0.7	4	TURKEY. ML 2.8 (ISK).
29	02 13 09.1%	45.527 N	14.678 E	10 G		1.1	5	NORTHWESTERN BALKAN REGION. MD 2.6 (LJU).
29	02 55 53.1%	36.569 N	71.799 E	33 N		1.1	13	AFGHANISTAN-TAJIKISTAN BORD REG.
29	03 08 44.1	47.487 N	9.606 E	10 G		0.6	8	GERMANY. ML 2.2 (VIE).
29	03 31 54.9	6.808 N	72.944 W	162	4.4	0.7	33	NORTHERN COLOMBIA
29	04 06 34.7%	40.831 N	27.765 E	10 G		0.5	8	TURKEY. ML 2.8 (ISK).
29	05 08 27.1%	40.72 N	25.54 E	10 G		0.7	6	AEGEAN SEA. ML 3.1 (ISK).
29	05 30 51.1%	51.26 N	15.69 E	10 G		0.5	4	POLAND. ML 2.4 (MOX), 2.2 (CLL).
29	06 31 08.6	57.052 N	155.998 W	76	4.3	0.7	62	ALASKA PENINSULA
29	07 10 29.7	6.172 S	151.000 E	77	5.1	0.6	25	NEW BRITAIN REGION, P.N.G.
29	07 32 39.9%	0.431 N	126.105 E	10 G	4.6	0.8	6	NORTHERN MOLUCCA SEA
29	08 23 11.4	40.098 N	19.735 E	10 G	3.4	1.1	28	ALBANIA. ML 3.9 (TTG). MD 3.6 (ATH).
29	08 33 30.9%	32.38 S	71.72 W	10 G		0.6	11	NEAR COAST OF CENTRAL CHILE
29	08 41 44.4%	39.23 N	27.68 E	10 G		0.6	4	TURKEY. ML 2.8 (ISK).
29	09 18 40.6%	39.09 N	27.57 E	10 G		0.5	4	TURKEY. ML 2.8 (ISK).
29	09 52 07.3%	39.061 N	28.034 E	10 G		1.0	5	TURKEY. ML 2.8 (ISK).
29	10 50 15.9%	28.006 S	26.760 E	5 G		0.9	5	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
29	10 59 51.0%	34.91 S	71.07 W	100 G		0.1	9	NEAR COAST OF CENTRAL CHILE
29	11 21 24.5	35.464 N	111.992 W	5 G		0.6	11	EASTERN ARIZONA. ML 3.0 (GS).
29	11 29 12.2%	44.780 N	18.660 E	10 G		0.9	11	NORTHWESTERN BALKAN REGION. ML 3.0 (TTG).
29	13 05 36.6%	38.745 N	119.655 W	0			40	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
29	13 32 45.8%	38.841 N	119.772 W	2			53	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM).
29	13 37 22.0%	38.837 N	119.784 W	1			53	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM).
29	13 59 45.1%	40.46 N	28.72 E	5 G		0.6	4	TURKEY. ML 2.5 (ISK).
29	14 31 48.3	38.861 N	119.746 W	5 G		0.7	10	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (GS). MD 2.9 (GM).
29	15 59 04.8%	26.847 S	26.747 E	5 G		0.7	5	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
29	16 01 25.4%	50.327 N	18.902 E	10 G		0.5	6	POLAND. ML 3.4 (CLL), 2.9 (MOX).
29	16 15 16.2%	37.138 N	4.379 W	10 G		1.0	9	SPAIN. mbLg 3.0 (MDD).

29	16	33	10.6	26.440 S	27.349 E	5	G	1.0	14	REPUBLIC OF SOUTH AFRICA. ML 3.6 (PRE).	
29	16	33	26.0*	43.951 N	147.914 E	33	N	4.5 4.1	1.2	23	KURIL ISLANDS
29	17	16	05.4	17.740 S	178.756 W	554	?	4.6	1.0	56	FIJI ISLANDS REGION
29	17	23	15.2*	42.713 N	18.932 E	27	*		0.2	9	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
29	17	47	22.2*	33.035 S	70.382 W	100	G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
29	18	10	41.8*	26.825 S	26.776 E	5	G		1.0	6	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
29	19	02	58.2*	6.262 N	126.439 E	62	?	4.1	1.5	7	MINDANAO, PHILIPPINE ISLANDS
29	19	25	40.5*	43.750 N	20.584 E	10	G		1.3	10	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
29	19	33	15.6*	33.156 S	70.316 W	5	G		0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
29	21	29	24.4	45.511 N	26.988 E	52	*	3.0	1.1	24	ROMANIA
29	22	13	46.6?	3.95 S	153.23 E	33	N	4.6	0.3	6	NEW IRELAND REGION, P.N.G.
29	22	49	20.7*	43.744 N	74.135 W	16				11	NEW YORK. <PAL-P>. mbLg 2.8 (GS), 2.9 (OTT). Felt in the North River-Lake George area.
29	23	09	25.6*	46.480 N	0.582 E	7			0.7	11	FRANCE. ML 2.1 (LDG).
29	23	30	00.5*	38.698 N	27.325 E	5	G		0.4	8	TURKEY. ML 3.1 (ISK).
29	23	42	11.7*	60.859 N	146.605 W	19				69	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
30	00	27	33.9*	34.085 S	70.509 W	10	G		0.8	6	CHILE-ARGENTINA BORDER REGION
30	02	11	40.6?	31.69 S	69.07 W	170	G		0.5	12	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).
30	02	15	15.5*	3.309 S	135.974 E	74	?	5.2	1.4	6	IRIAN JAYA REGION, INDONESIA
30	02	22	08.8?	34.79 S	71.13 W	90	G		0.1	6	NEAR COAST OF CENTRAL CHILE
30	02	34	38.1?	44.59 N	6.98 E	5	G		0.8	4	FRANCE. ML 1.8 (GEN).
30	02	52	27.3*	58.916 N	153.567 W	80				47	KODIAK ISLAND REGION. <AEIC>.
30	02	56	16.5	36.412 N	71.067 E	242	D	4.7	1.0	180	AFGHANISTAN-TAJIKISTAN BORD REG.
30	02	57	16.3*	37.551 N	75.025 E	33	N	5.0	0.5	8	TAJIKISTAN-XINJIANG BORDER REG.
30	03	17	45.4	5.192 N	127.327 E	89	*	5.0	1.1	42	PHILIPPINE ISLANDS REGION
30	04	17	44.0*	15.110 N	60.303 W	33	N		0.3	11	LEEWARD ISLANDS. MD 3.5 (TRN). ML 3.1 (FDF).
30	04	40	31.0*	60.718 N	152.943 W	181				48	SOUTHERN ALASKA. <AEIC>.
30	04	50	50.0?	34.34 N	23.46 E	10	G	3.3	0.5	4	CRETE
30	05	02	43.7*	44.334 N	6.440 E	5	G		0.4	8	FRANCE. ML 2.0 (GEN).
30	05	19	46.9*	40.226 N	28.794 E	5	G		0.6	5	TURKEY. ML 2.7 (ISK).
30	06	00	06.1*	38.753 N	119.710 W	7				50	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.9 (GS), 3.3 (BRK).
a 30	06	45	09.5	3.166 S	127.410 E	27	D	5.1	1.4	46	SERAM, INDONESIA. Mw 5.2 (HRV).
30	06	49	19.3	43.999 N	8.291 E	12			0.7	14	CORSICA. ML 2.6 (GEN), 2.4 (LDG).
30	07	26	16.7	30.966 N	130.369 E	163		4.7	1.0	93	KYUSHU, JAPAN
30	08	50	42.7?	39.06 N	27.71 E	10	G		0.9	4	TURKEY. ML 2.7 (ISK).
30	09	08	09.8*	4.067 S	144.641 E	33	N	4.7	0.5	8	NEAR N COAST OF NEW GUINEA, PNG.
30	10	19	04.3?	41.02 N	28.68 E	10	G		0.6	4	TURKEY. ML 2.6 (ISK).
30	10	37	41.1*	36.412 N	4.513 W	10	G		1.5	5	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
a 30	10	44	21.9	10.273 S	161.129 E	84	D	4.9	0.9	54	SOLOMON ISLANDS. Mw 5.2 (HRV).
30	10	56	32.2	32.282 S	71.875 W	33	N	4.7	0.6	16	NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN).
30	11	46	55.9*	39.788 N	8.763 W	10	G		1.0	8	PORTUGAL. mbLg 3.2 (MDD).
30	12	38	32.3?	39.21 N	27.75 E	10	G		0.9	4	TURKEY. ML 2.8 (ISK).
30	13	18	58.9?	40.32 N	26.88 E	5	G		0.8	5	TURKEY. ML 2.7 (ISK).
30	14	42	16.5*	26.230 S	28.198 E	5	G		0.7	7	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
30	15	05	30.0*	38.752 N	119.658 W	13				48	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.2 (BRK).
30	15	05	55.5?	40.01 N	29.20 E	10	G		0.1	4	TURKEY. ML 2.7 (ISK).
30	15	56	01.7	26.258 S	28.205 E	5	G		1.2	11	REPUBLIC OF SOUTH AFRICA. mbLg 3.8 (BUL). ML 3.5 (PRE).
30	16	06	55.7*	38.840 N	119.775 W	0				76	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.4 (BRK).
30	16	09	34.8*	44.346 N	6.507 E	5	G		0.2	7	FRANCE. ML 2.2 (GEN).
30	16	15	59.6*	61.807 N	149.999 W	37				66	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PMR).
30	16	24	04.1?	34.84 S	71.05 W	100	G		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
30	16	44	27.9*	44.342 N	6.487 E	5	G		0.2	7	FRANCE. ML 2.1 (GEN).
30	18	25	54.3*	37.772 N	4.892 W	10	G		1.3	9	SPAIN. mbLg 2.6 (MDD).
a 30	19	30	18.4	21.217 S	179.293 W	643		5.3	0.9	380	FIJI ISLANDS REGION. Mw 5.8 (HRV).
30	21	15	01.7	47.637 N	149.075 E	328		4.3	1.0	35	NORTHWEST OF KURIL ISLANDS
30	22	26	02.2?	22.02 S	169.88 E	47	?	3.8	1.0	13	LOYALTY ISLANDS REGION
30	22	27	31.3	40.811 N	27.872 E	10	G		0.8	13	TURKEY. ML 2.9 (ISK).
30	22	28	03.3*	40.815 N	27.894 E	5	G		0.6	6	TURKEY. ML 2.9 (ISK).
30	23	28	03.6?	15.05 S	167.24 E	170	?		0.6	13	VANUATU ISLANDS

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

01 01 17 47.22 52.770N 166.987W 33km	Dep 15.0 FIX Half-duration 1.0	01 15 15 53.08 40.402N 125.680W 10km
5.2mb (74 obs.) 4.6MsZ (11 obs.)	Principal Axes:	6.6mb (119 obs.) 7.0MsZ (35 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS	Scale 10**16 Nm	OFF COAST OF NORTHERN CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)	T Val= 7.83 Plg=64 Azm=224	FAULT PLANE SOLUTION: P-Waves
Data Used: GDSN	N -0.92 5 324	NP1:Strike=105 Dip=85 Slip= 175
L.P.B.: 25S, 40C	P -6.91 26 56	NP2: 195 85 5
Centroid Location:	Best Double Couple:Mo=7.4*10**16	Principal Axes:
Origin Time 01:17:48.4 1.0	NP1:Strike=158 Dip=20 Slip= 105	T Plg= 7 Azm= 60
Lat 52.43N 0.07 Lon 166.84W 0.10	NP2: 322 71 85	P 0 330
Dep 29.7 3.6 Half-duration 1.0		Comment: The focal mechanism is
Principal Axes:	01 11 28 36.02 24.908S 13.658W 10km	well controlled and
Scale 10**16 Nm	5.1mb (33 obs.) 4.7MsZ (2 obs.)	corresponds to strike-slip
T Val= 4.40 Plg=78 Azm=297	SOUTHERN MID-ATLANTIC RIDGE	faulting. The preferred fault
N 0.50 8 71	CENTROID, MOMENT TENSOR (HRV)	plane is not determined.
P -4.90 8 162	Data Used: GDSN	RADIATED ENERGY
Best Double Couple:Mo=4.7*10**16	L.P.B.: 17S, 21C	No. of sta: 25 Focal mech. F
NP1:Strike=261 Dip=37 Slip= 103	Centroid Location:	Energy 9.4±1.7*10**15 Nm
NP2: 65 54 80	Origin Time 11:28:37.2 0.6	MOMENT TENSOR SOLUTION
01 10 26 53.19 27.950S 76.092E 10km	Lat 25.48S 0.12 Lon 13.77W 0.05	Dep 15 No. of sta: 13
5.1mb (18 obs.) 5.2MsZ (1 obs.)	Dep 15.0 FIX Half-duration 2.2	Principal Axes:
MID-INDIAN RIDGE	Principal Axes:	Scale 10**19 Nm
CENTROID, MOMENT TENSOR (HRV)	Scale 10**16 Nm	T Val= 4.32 Plg= 1 Azm= 50
Data Used: GDSN	T Val= 8.53 Plg= 0 Azm=117	N 0.23 85 302
L.P.B.: 16S, 22C	N -0.45 0 27	P -4.55 5 140
Centroid Location:	P -8.08 90 180	Best Double Couple:Mo=4.4*10**19
Origin Time 10:26:56.6 0.4	Best Double Couple:Mo=8.3*10**16	NP1:Strike=185 Dip=86 Slip= -2
Lat 27.97S 0.08 Lon 75.81E 0.08	NP1:Strike=207 Dip=45 Slip= -90	NP2: 275 88 -176
	NP2: 27 45 -90	CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 52S,142C M.W.: 55S,140C
Centroid Location:
Origin Time 15:16: 0.6 0.1
Lat 40.59N 0.01 Lon 125.78W 0.01
Dep 15.0 FIX Half-duration 8.3
Principal Axes:
Scale 10**19 Nm
T Val= 4.18 Plg=21 Azm=233
N -0.61 64 15
P -3.57 15 138
Best Double Couple:Mo=3.9*10**19
NP1:Strike=274 Dip=65 Slip= 176
NP2: 6 86 25

01 15 38 54.63 10.944S 166.246E 152km
5.9mb (69 obs.)
SANTA CRUZ ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=180 Dip=63 Slip= 90
NP2: 360 27 90
Principal Axes:
T Plg=72 Azm= 90
P 18 270
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.

01 20 50 39.08 18.462S 172.905W 49km
5.5mb (32 obs.) 5.4MsZ (33 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 36C
Centroid Location:
Origin Time 20:50:46.9 0.4
Lat 18.61S FIX;Lon 172.89W FIX
Dep 16.7 4.7 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.86 Plg=90 Azm=180
N 1.13 0 192
P -2.99 0 102
Best Double Couple:Mo=2.4*10**17
NP1:Strike=192 Dip=45 Slip= 90
NP2: 12 45 90

02 13 55 27.70 4.901N 127.522E 97km
5.2mb (33 obs.)
TALAUD ISLANDS, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 29C
Centroid Location:
Origin Time 13:55:28.6 0.6
Lat 5.00N 0.06 Lon 127.52E 0.05
Dep 102.7 4.3 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 5.73 Plg=66 Azm=174
N -0.11 24 359
P -5.61 2 268
Best Double Couple:Mo=5.7*10**16
NP1:Strike=335 Dip=48 Slip= 57
NP2: 199 51 121

03 02 53 03.06 51.292N 178.934W 33km
5.1mb (78 obs.) 4.4MsZ (5 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 17C
Centroid Location:
Origin Time 02:53: 3.9 0.9
Lat 51.28N FIX;Lon 178.96W FIX
Dep 56.7 8.8 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.33 Plg=55 Azm=296
N -0.06 11 42
P -6.28 33 140
Best Double Couple:Mo=6.3*10**16
NP1:Strike=265 Dip=16 Slip= 134
NP2: 40 79 79

03 03 43 59.00 27.867S 76.130E 10km
5.3mb (15 obs.) 4.7MsZ (1 obs.)
MID-INDIAN RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 15C

Centroid Location:
Origin Time 03:44: 2.5 0.8
Lat 27.33S 0.13 Lon 76.13E 0.10
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 5.23 Plg= 0 Azm=140
N 1.30 90 180
P -6.52 0 50
Best Double Couple:Mo=5.9*10**16
NP1:Strike=185 Dip=90 Slip=-180
NP2: 275 90 0

03 09 02 53.74 31.422S 111.028W 7km
5.8mb (41 obs.) 5.4MsZ (38 obs.)
EASTER ISLAND REGION
RADIATED ENERGY
No. of sta: 11 Focal mech. C
Energy 3.0±0.6*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 13 No. of sta: 20
Principal Axes:
Scale 10**17 Nm
T Val= 4.46 Plg= 1 Azm=297
N 0.00 77 204
P -4.46 13 27
Best Double Couple:Mo=4.5*10**17
NP1:Strike= 72 Dip=80 Slip= -9
NP2: 163 81 -170
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 57S,115C
Centroid Location:
Origin Time 09:03: 5.1 0.2
Lat 31.44S 0.02 Lon 110.83W 0.02
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 4.96 Plg=26 Azm=285
N -0.48 64 96
P -4.48 4 194
Best Double Couple:Mo=4.7*10**17
NP1:Strike=326 Dip=70 Slip= 164
NP2: 62 75 21

03 14 07 06.08 4.782S 154.019E 106km
5.4mb (45 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 31C
Centroid Location:
Origin Time 14:07: 4.4 0.8
Lat 4.75S 0.09 Lon 154.04E 0.06
Dep 45.3 5.2 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 5.43 Plg=22 Azm=240
N 0.92 15 144
P -6.35 63 22
Best Double Couple:Mo=5.9*10**16
NP1:Strike=356 Dip=26 Slip= -55
NP2: 138 69 -106

03 17 46 41.56 21.212S 173.640E 33km
5.8mb (54 obs.) 6.2MsZ (40 obs.)
VANUATU ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=207 Dip=85 Slip= 5
NP2: 117 85 175
Principal Axes:
T Plg= 7 Azm= 72
P 0 162
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 33 No. of sta: 10
Principal Axes:
Scale 10**18 Nm
T Val= 3.45 Plg= 4 Azm= 76
N 0.27 83 198
P -3.72 6 345
Best Double Couple:Mo=3.6*10**18
NP1:Strike=121 Dip=83 Slip=-178
NP2: 30 88 -7
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 62S,153C M.W.: 46S, 67C
Centroid Location:

Origin Time 17:46:44.5 0.1
Lat 21.16S 0.01 Lon 173.80E 0.01
Dep 22.1 0.8 Half-duration 3.1
Principal Axes:
Scale 10**18 Nm
T Val= 2.38 Plg= 1 Azm=247
N -0.30 86 350
P -2.07 4 157
Best Double Couple:Mo=2.2*10**18
NP1:Strike=292 Dip=87 Slip=-178
NP2: 202 88 -3

04 13 33 25.91 11.260S 166.434E 135km
5.1mb (15 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 45C
Centroid Location:
Origin Time 13:33:29.5 0.6
Lat 11.19S 0.06 Lon 166.41E 0.05
Dep 150.5 1.6 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.42 Plg=24 Azm=255
N 0.02 65 55
P -1.44 7 162
Best Double Couple:Mo=1.4*10**17
NP1:Strike=296 Dip=68 Slip= 168
NP2: 30 79 22

04 14 50 34.31 35.941N 100.080E 11km
5.3mb (86 obs.) 4.4MsZ (8 obs.)
QINGHAI, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 22C
Centroid Location:
Origin Time 14:50:43.8 0.8
Lat 36.08N FIX;Lon 100.15E FIX
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 7.34 Plg=70 Azm=246
N -0.90 2 342
P -6.44 20 72
Best Double Couple:Mo=6.9*10**16
NP1:Strike=165 Dip=26 Slip= 94
NP2: 341 65 88

05 02 59 41.49 55.987N 158.436W 62km
5.3mb (85 obs.)
ALASKA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 32C
Centroid Location:
Origin Time 02:59:42.3 0.8
Lat 55.80N 0.10 Lon 157.69W 0.14
Dep 77.3 9.5 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 5.77 Plg=52 Azm=317
N -1.08 5 53
P -4.70 38 146
Best Double Couple:Mo=5.2*10**16
NP1:Strike=266 Dip= 8 Slip= 123
NP2: 52 83 85

05 07 15 05.29 12.030S 166.166E 33km
5.1mb (11 obs.) 4.7MsZ (1 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 14C
Centroid Location:
Origin Time 07:15: 6.2 0.8
Lat 12.00S FIX;Lon 166.24E FIX
Dep 45.4 9.0 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.51 Plg=56 Azm= 17
N -2.75 16 132
P -5.76 29 231
Best Double Couple:Mo=7.1*10**16
NP1:Strike=357 Dip=22 Slip= 137
NP2: 128 76 74

05 22 13 47.88 46.782N 155.226E 12km
5.9mb (124 obs.)
EAST OF KURIL ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=233 Dip=65 Slip=-140

NP2: 123 54 -31	Best Double Couple:Mo=2.4*10**17	N 0.28 9 197
Principal Axes:	NP1:Strike= 6 Dip=40 Slip= 125	P -2.76 6 106
T Plg= 6 Azm=356	NP2: 143 58 64	Best Double Couple:Mo=2.6*10**17
P 45 93		NP1:Strike=187 Dip=39 Slip= 76
Comment: The focal mechanism is	08 08 50 42.36 0.540N 126.173E 52km	NP2: 24 52 101
poorly controlled and	5.7mb (61 obs.)	
corresponds to strike-slip	NORTHERN MOLUCCA SEA	10 13 34 16.94 9.21 S 108.72 W 10km
faulting with a large normal	CENTROID, MOMENT TENSOR (HRV)	4.9mb (7 obs.)
component. The preferred	Data Used: GDSN	CENTRAL EAST PACIFIC RISE
fault plane is not	L.P.B.: 24S, 41C	CENTROID, MOMENT TENSOR (HRV)
determined.	Centroid Location:	Data Used: GDSN
RADIATED ENERGY	Origin Time 08:50:48.3 0.3	L.P.B.: 53S, 89C
No. of sta: 10 Focal mech. F	Lat 0.87N 0.05 Lon 126.20E 0.04	Centroid Location:
Energy 5.7±1.4*10**12 Nm	Dep 36.8 3.3 Half-duration 1.3	Origin Time 13:34:25.3 0.3
MOMENT TENSOR SOLUTION	Principal Axes:	Lat 9.07S 0.03 Lon 108.56W 0.03
Dep 20 No. of sta: 24	Scale 10**17 Nm	Dep 15.0 FIX Half-duration 1.4
Principal Axes:	T Val= 3.24 Plg=48 Azm=168	Principal Axes:
Scale 10**17 Nm	N 0.35 38 16	Scale 10**17 Nm
T Val= 3.08 Plg=25 Azm=355	P -3.58 14 274	T Val= 2.06 Plg= 2 Azm=325
N 0.06 13 259	Best Double Couple:Mo=3.4*10**17	N 0.08 70 230
P -3.14 62 144	NP1:Strike=325 Dip=46 Slip= 30	P -2.15 20 56
Best Double Couple:Mo=3.1*10**17	NP2: 213 69 132	Best Double Couple:Mo=2.1*10**17
NP1:Strike=110 Dip=23 Slip= -56		NP1:Strike= 99 Dip=74 Slip= -13
NP2: 254 71 -104		NP2: 192 77 -164
CENTROID, MOMENT TENSOR (HRV)	09 01 06 54.79 16.448S 172.415W 32km	
Data Used: GDSN	5.2mb (41 obs.) 5.1msz (11 obs.)	11 01 32 03.23 19.586N 99.516E 33km
L.P.B.: 47S, 84C	SAMOA ISLANDS REGION	5.1mb (60 obs.) 4.6msz (4 obs.)
Centroid Location:	CENTROID, MOMENT TENSOR (HRV)	SOUTHEAST ASIA
Origin Time 22:13:52.5 0.2	Data Used: GDSN	CENTROID, MOMENT TENSOR (HRV)
Lat 46.99N 0.02 Lon 155.54E 0.04	L.P.B.: 35S, 53C	Data Used: GDSN
Dep 15.0 BDY Half-duration 1.6	Centroid Location:	L.P.B.: 14S, 18C
Principal Axes:	Origin Time 01:06:57.1 0.3	Centroid Location:
Scale 10**17 Nm	Lat 16.95S 0.04 Lon 172.30W 0.03	Origin Time 01:32: 4.5 0.5
T Val= 3.32 Plg= 2 Azm=326	Dep 15.0 FIX Half-duration 1.3	Lat 19.41N 0.09 Lon 99.91E 0.13
N -0.52 21 236	Principal Axes:	Dep 15.0 BDY Half-duration 1.9
P -2.80 68 62	Scale 10**17 Nm	Principal Axes:
Best Double Couple:Mo=3.1*10**17	T Val= 1.39 Plg=66 Azm=255	Scale 10**16 Nm
NP1:Strike= 77 Dip=47 Slip= -60	N 0.08 9 5	T Val= 7.13 Plg=21 Azm=309
NP2: 217 51 -118	P -1.47 22 99	N 2.11 15 212
	Best Double Couple:Mo=1.4*10**17	P -9.24 63 89
	NP1:Strike=205 Dip=25 Slip= 112	Best Double Couple:Mo=8.2*10**16
	NP2: 2 67 80	NP1:Strike= 64 Dip=27 Slip= -55
06 12 29 31.63 34.270S 179.537E 33km		NP2: 206 68 -107
5.2mb (12 obs.) 5.1msz (2 obs.)	09 09 32 34.80 11.915S 166.213E 33km	
SOUTH OF KERMADEC ISLANDS	5.1mb (16 obs.) 4.8msz (7 obs.)	11 12 01 13.17 16.048S 166.690E 33km
CENTROID, MOMENT TENSOR (HRV)	SANTA CRUZ ISLANDS	5.6mb (48 obs.) 5.3msz (42 obs.)
Data Used: GDSN	CENTROID, MOMENT TENSOR (HRV)	VANUATU ISLANDS
L.P.B.: 35S, 68C	Data Used: GDSN	CENTROID, MOMENT TENSOR (HRV)
Centroid Location:	L.P.B.: 31S, 39C	Data Used: GDSN
Origin Time 12:29:36.1 0.3	Centroid Location:	L.P.B.: 51S, 93C
Lat 33.84S 0.03 Lon 179.46E 0.04	Origin Time 09:32:38.2 0.3	Centroid Location:
Dep 16.4 1.7 Half-duration 2.2	Lat 11.80S 0.05 Lon 165.67E 0.04	Origin Time 12:01:15.8 0.2
Principal Axes:	Dep 20.6 1.9 Half-duration 1.5	Lat 16.02S 0.02 Lon 166.39E 0.02
Scale 10**17 Nm	Principal Axes:	Dep 17.7 1.1 Half-duration 1.8
T Val= 2.87 Plg=10 Azm=314	Scale 10**17 Nm	Principal Axes:
N -0.49 1 224	T Val= 1.36 Plg=63 Azm=351	Scale 10**17 Nm
P -2.38 80 130	N -0.25 26 152	T Val= 3.46 Plg=72 Azm=174
Best Double Couple:Mo=2.6*10**17	P -1.11 7 246	N 0.52 18 344
NP1:Strike= 45 Dip=35 Slip= -89	Best Double Couple:Mo=1.2*10**17	P -3.98 3 75
NP2: 223 55 -91	NP1:Strike= 3 Dip=44 Slip= 130	Best Double Couple:Mo=3.7*10**17
	NP2: 134 58 58	NP1:Strike=183 Dip=45 Slip= 116
07 13 56 25.29 38.491N 90.345E 33km		NP2: 329 51 67
5.1mb (48 obs.) 4.7msz (5 obs.)	10 01 24 09.43 83.688N 2.275W 10km	
SOUTHERN XINJIANG, CHINA	5.0mb (48 obs.) 4.8msz (15 obs.)	11 14 52 52.45 51.939N 178.155E 99km
CENTROID, MOMENT TENSOR (HRV)	NORTH OF SVALBARD	5.1mb (87 obs.)
Data Used: GDSN	CENTROID, MOMENT TENSOR (HRV)	RAT ISLANDS, ALEUTIAN ISLANDS
L.P.B.: 8S, 11C	Data Used: GDSN	CENTROID, MOMENT TENSOR (HRV)
Centroid Location:	L.P.B.: 30S, 38C	Data Used: GDSN
Origin Time 13:56:24.3 0.8	Centroid Location:	L.P.B.: 41S, 59C
Lat 38.42N FIX;Lon 90.19E FIX	Origin Time 01:24:12.1 0.4	Centroid Location:
Dep 33.0 FIX Half-duration 1.7	Lat 83.77N 0.08 Lon 3.01W 0.64	Origin Time 14:52:55.5 0.3
Principal Axes:	Dep 18.5 3.6 Half-duration 1.2	Lat 52.02N 0.06 Lon 178.14E 0.05
Scale 10**16 Nm	Principal Axes:	Dep 98.2 3.6 Half-duration 1.1
T Val= 7.07 Plg=18 Azm=100	Scale 10**16 Nm	Principal Axes:
N 1.30 58 338	T Val= 8.15 Plg=16 Azm=118	Scale 10**16 Nm
P -8.38 25 199	N -0.94 1 208	T Val= 9.69 Plg=25 Azm= 94
Best Double Couple:Mo=7.7*10**16	P -7.21 74 302	N -2.08 2 3
NP1:Strike=238 Dip=58 Slip= -6	Best Double Couple:Mo=7.7*10**16	P -7.61 65 270
NP2: 331 85 -148	NP1:Strike=206 Dip=29 Slip= -92	Best Double Couple:Mo=8.6*10**16
	NP2: 29 61 -89	NP1:Strike=187 Dip=20 Slip= -86
08 05 21 58.76 11.911S 166.234E 26km		NP2: 3 70 -92
5.4mb (16 obs.) 5.2msz (8 obs.)	10 04 54 10.49 7.552N 126.599E 79km	
SANTA CRUZ ISLANDS	5.6mb (82 obs.)	11 15 49 54.35 5.197S 153.219E 33km
CENTROID, MOMENT TENSOR (HRV)	MINDANAO, PHILIPPINE ISLANDS	5.2mb (16 obs.) 4.6msz (3 obs.)
Data Used: GDSN	CENTROID, MOMENT TENSOR (HRV)	NEW IRELAND REGION, P.N.G.
L.P.B.: 46S, 75C	Data Used: GDSN	CENTROID, MOMENT TENSOR (HRV)
Centroid Location:	L.P.B.: 51S, 76C	Data Used: GDSN
Origin Time 05:22: 3.8 0.2	Centroid Location:	L.P.B.: 26S, 33C
Lat 11.90S 0.03 Lon 165.92E 0.02	Origin Time 04:54:13.2 0.2	Centroid Location:
Dep 21.5 1.3 Half-duration 1.5	Lat 7.33N 0.02 Lon 126.86E 0.02	Origin Time 15:49:55.9 0.5
Principal Axes:	Dep 50.3 1.7 Half-duration 1.5	Lat 5.17S 0.05 Lon 153.24E 0.06
Scale 10**17 Nm	Principal Axes:	Dep 38.1 4.5 Half-duration 1.1
T Val= 2.49 Plg=66 Azm= 3	Scale 10**17 Nm	Principal Axes:
N -0.26 22 158	T Val= 2.47 Plg=79 Azm=340	
P -2.23 9 252		

Scale 10**16 Nm
T Val= 6.87 Plg=66 Azm=339
N -0.39 14 104
P -6.48 19 198
Best Double Couple:Mo=6.7*10**16
NP1:Strike=310 Dip=29 Slip= 120
NP2: 97 65 75

12 06 29 54.94 31.103S 71.706W 40km
5.9mb (73 obs.) 5.7MsZ (19 obs.)
NEAR COAST OF CENTRAL CHILE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=151 Dip=70 Slip= 110
NP2: 284 28 47
Principal Axes:
T Plg=60 Azm= 90
P 22 226
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a moderate left-lateral strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 15 Focal mech. F
Energy 1.9±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 46 No. of sta: 13
Principal Axes:
Scale 10**18 Nm
T Val= 0.97 Plg=57 Azm=100
N 0.35 20 336
P -1.31 25 236
Best Double Couple:Mo=1.1*10**18
NP1:Strike=289 Dip=27 Slip= 40
NP2: 162 73 111
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 60S,128C
Centroid Location:
Origin Time 06:30: 1.0 0.1
Lat 31.26S 0.02 Lon 72.13W 0.02
Dep 47.3 1.6 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 7.79 Plg=59 Azm= 95
N 1.12 13 343
P -8.91 28 246
Best Double Couple:Mo=8.4*10**17
NP1:Strike=306 Dip=21 Slip= 51
NP2: 167 74 103

12 11 30 14.92 8.910S 106.476E 33km
5.9mb (52 obs.) 5.2MsZ (5 obs.)
SOUTH OF JAWA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 40S, 65C
Centroid Location:
Origin Time 11:30:18.4 0.3
Lat 9.22S 0.03 Lon 106.51E 0.05
Dep 41.1 3.2 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.85 Plg= 7 Azm= 17
N -0.69 62 121
P -3.16 27 284
Best Double Couple:Mo=3.5*10**17
NP1:Strike= 64 Dip=66 Slip=-165
NP2: 327 76 -25

12 12 23 43.25 38.819N 119.652W 14km
5.4mb (76 obs.) 5.7MsZ (20 obs.)
CALIFORNIA-NEVADA BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 19 Dip=74 Slip= -29
NP2: 118 62 -162
Principal Axes:
T Plg= 8 Azm= 70
P 32 336
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 6.5±1.2*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 6 No. of sta: 14

Principal Axes:
Scale 10**18 Nm
T Val= 1.45 Plg=16 Azm= 93
N -0.16 63 217
P -1.29 21 356
Best Double Couple:Mo=1.4*10**18
NP1:Strike=135 Dip=63 Slip=-176
NP2: 43 87 -27
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 50S,100C
Centroid Location:
Origin Time 12:23:47.4 0.1
Lat 38.74N 0.02 Lon 119.75W 0.02
Dep 15.0 BDY Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 9.14 Plg= 3 Azm=268
N -1.45 70 171
P -7.69 20 359
Best Double Couple:Mo=8.4*10**17
NP1:Strike= 42 Dip=74 Slip= -13
NP2: 135 78 -164

12 22 43 50.76 15.455S 172.990W 15km
5.6mb (46 obs.) 5.7MsZ (51 obs.)
SAMOA ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 0 Dip=75 Slip= 145
NP2: 100 56 18
Principal Axes:
T Plg=35 Azm=315
P 12 54
Comment: The focal mechanism is poorly controlled and corresponds to left-lateral strike-slip faulting with a large reverse component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 6.7±1.2*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 11 No. of sta: 24
Principal Axes:
Scale 10**17 Nm
T Val= 6.97 Plg=57 Azm=296
N -0.02 4 32
P -6.95 33 125
Best Double Couple:Mo=7.0*10**17
NP1:Strike=229 Dip=13 Slip= 107
NP2: 31 78 86
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 61S,132C
Centroid Location:
Origin Time 22:43:59.2 0.1
Lat 15.34S 0.02 Lon 172.67W 0.02
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 9.15 Plg=62 Azm=311
N 1.39 18 183
P -10.53 20 86
Best Double Couple:Mo=9.8*10**17
NP1:Strike=147 Dip=29 Slip= 50
NP2: 10 68 110

12 23 34 54.45 15.118S 172.990W 33km
4.9mb (14 obs.) 4.8MsZ (1 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 25C
Centroid Location:
Origin Time 23:35: 1.9 0.8
Lat 15.69S 0.07 Lon 172.88W 0.07
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.70 Plg=66 Azm=295
N 0.43 8 188
P -2.13 23 95
Best Double Couple:Mo=1.9*10**17
NP1:Strike=170 Dip=23 Slip= 70
NP2: 11 68 98

13 03 09 46.89 13.025S 166.944E 188km
5.0mb (31 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 44C

Centroid Location:
Origin Time 03:09:25.3 0.5
Lat 13.34S 0.05 Lon 166.93E 0.05
Dep 49.4 4.0 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 8.85 Plg=64 Azm=160
N -1.56 17 30
P -7.30 18 294
Best Double Couple:Mo=8.1*10**16
NP1:Strike=358 Dip=30 Slip= 55
NP2: 218 66 109

13 04 28 01.02 29.287N 129.910E 34km
5.8mb (130 obs.) 6.2MsZ (22 obs.)
RYUKYU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 40 Dip=67 Slip= 90
NP2: 220 23 90
Principal Axes:
T Plg=68 Azm=310
P 22 130
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. M
Energy 2.7±0.5*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 43 No. of sta: 38
Principal Axes:
Scale 10**18 Nm
T Val= 1.46 Plg=69 Azm=302
N -0.06 2 36
P -1.40 21 126
Best Double Couple:Mo=1.4*10**18
NP1:Strike=219 Dip=24 Slip= 94
NP2: 35 66 88
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 56S,134C M.W.: 24S, 34C
Centroid Location:
Origin Time 04:28: 6.9 0.1
Lat 29.18N 0.01 Lon 130.11E 0.01
Dep 41.1 0.6 Half-duration 2.7
Principal Axes:
Scale 10**18 Nm
T Val= 1.42 Plg=72 Azm=336
N 0.20 8 222
P -1.62 16 130
Best Double Couple:Mo=1.5*10**18
NP1:Strike=209 Dip=30 Slip= 75
NP2: 46 62 99

13 10 01 32.09 7.054N 76.678W 14km
5.8mb (100 obs.) 5.6MsZ (41 obs.)
NORTHERN COLOMBIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 0 Dip=78 Slip= 27
NP2: 264 64 167
Principal Axes:
T Plg=27 Azm=225
P 10 130
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 8.8±1.8*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 30 No. of sta: 32
Principal Axes:
Scale 10**18 Nm
T Val= 1.26 Plg= 8 Azm=229
N 0.00 68 117
P -1.27 20 323
Best Double Couple:Mo=1.3*10**18
NP1:Strike= 4 Dip=70 Slip= -8
NP2: 97 82 -160
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 60S,133C
Centroid Location:
Origin Time 10:01:39.0 0.1
Lat 7.09N 0.02 Lon 76.54W 0.01
Dep 23.0 1.4 Half-duration 2.7
Principal Axes:

Scale 10**18 Nm	Dep 48.5 2.6 Half-duration 1.0	19 13 09 05.05 7.467S 128.397E 150km
T Val= 1.28 Plg=24 Azm=224	Principal Axes:	5.5mb (34 obs.)
N 0.14 62 76	Scale 10**17 Nm	BANDA SEA
P -1.42 13 320	T Val= 1.42 Plg=16 Azm=298	CENTROID, MOMENT TENSOR (HRV)
Best Double Couple:Mo=1.4*10**18	N 0.04 74 121	Data Used: GDSN
NP1:Strike= 4 Dip=64 Slip= 9	P -1.47 1 28	L.P.B.: 14S, 17C
NP2: 270 82 153	Best Double Couple:Mo=1.4*10**17	Centroid Location:
	NP1:Strike= 74 Dip=78 Slip= 11	Origin Time 13:09: 6.6 1.6
	NP2: 342 79 168	Lat 7.96S 0.12 Lon 128.37E 0.09
13 12 22 12.87 22.278S 174.687E 33km		Dep 162.8 1.5 Half-duration 1.4
5.4mb (34 obs.) 5.4Msz (29 obs.)	15 23 47 30.50 57.803S 8.769W 10km	Principal Axes:
LOYALTY ISLANDS REGION	5.2mb (20 obs.) 5.6Msz (22 obs.)	Scale 10**17 Nm
CENTROID, MOMENT TENSOR (HRV)	SOUTHWESTERN ATLANTIC OCEAN	T Val= 1.55 Plg=84 Azm=140
Data Used: GDSN	CENTROID, MOMENT TENSOR (HRV)	N -0.64 6 322
L.P.B.: 34S, 64C	Data Used: GDSN	P -0.91 0 232
Centroid Location:	L.P.B.: 56S,121C	Best Double Couple:Mo=1.2*10**17
Origin Time 12:22:18.6 0.2	Centroid Location:	NP1:Strike=316 Dip=45 Slip= 82
Lat 22.02S 0.03 Lon 174.65E 0.03	Origin Time 23:47:37.7 0.1	NP2: 147 45 98
Dep 15.0 FIX Half-duration 1.7	Lat 58.34S 0.02 Lon 8.65W 0.03	
Principal Axes:	Dep 15.0 FIX Half-duration 2.3	19 18 03 24.01 7.702S 130.126E 33km
Scale 10**17 Nm	Principal Axes:	5.0mb (10 obs.) 4.4Msz (3 obs.)
T Val= 4.84 Plg=42 Azm= 79	Scale 10**18 Nm	TANIMBAR ISLANDS REG., INDONESIA
N 0.54 33 314	T Val= 1.08 Plg=13 Azm=125	CENTROID, MOMENT TENSOR (HRV)
P -5.38 31 201	N 0.05 73 344	Data Used: GDSN
Best Double Couple:Mo=5.1*10**17	P -1.13 10 218	L.P.B.: 17S, 25C
NP1:Strike=237 Dip=34 Slip= 11	Best Double Couple:Mo=1.1*10**18	Centroid Location:
NP2: 138 84 123	NP1:Strike=262 Dip=73 Slip= 2	Origin Time 18:03:29.4 0.7
	NP2: 171 88 163	Lat 7.67S FIX;Lon 130.10E FIX
14 05 02 12.31 31.251S 71.658W 38km		Dep 51.8 8.3 Half-duration 2.5
5.1mb (33 obs.) 5.6Msz (2 obs.)	16 06 20 18.74 22.528N 118.711E 13km	Principal Axes:
NEAR COAST OF CENTRAL CHILE	6.5mb (153 obs.) 6.7Msz (49 obs.)	Scale 10**16 Nm
CENTROID, MOMENT TENSOR (HRV)	TAIWAN REGION	T Val= 8.05 Plg=13 Azm= 68
Data Used: GDSN	FAULT PLANE SOLUTION: P-Waves	N -0.38 76 271
L.P.B.: 35S, 49C	NP1:Strike=280 Dip=52 Slip=-125	P -7.67 5 159
Centroid Location:	NP2: 149 50 -54	Best Double Couple:Mo=7.9*10**16
Origin Time 05:02:18.1 0.3	Principal Axes:	NP1:Strike=204 Dip=77 Slip= 6
Lat 31.23S 0.04 Lon 72.09W 0.04	T Plg= 1 Azm= 34	NP2: 113 85 167
Dep 28.4 2.5 Half-duration 1.3	P 63 126	
Principal Axes:	Comment: The focal mechanism is	20 05 51 46.08 32.501N 48.770E 33km
Scale 10**17 Nm	poorly controlled and	5.0mb (48 obs.) 4.4Msz (8 obs.)
T Val= 1.62 Plg=62 Azm= 35	corresponds to normal	WESTERN IRAN
N 0.18 20 170	faulting with a large strike-	CENTROID, MOMENT TENSOR (HRV)
P -1.80 18 267	slip component. The preferred	Data Used: GDSN
Best Double Couple:Mo=1.7*10**17	fault plane is not	L.P.B.: 16S, 20C
NP1:Strike= 26 Dip=32 Slip= 131	determined.	Centroid Location:
NP2: 160 66 68	RADIATED ENERGY	Origin Time 05:51:53.0 0.4
14 11 45 17.88 16.521S 172.998W 33km	No. of sta: 20 Focal mech. F	Lat 32.18N 0.08 Lon 48.60E 0.12
5.2mb (29 obs.) 4.7Msz (3 obs.)	Energy 3.0±0.3*10**14 Nm	Dep 15.0 FIX Half-duration 1.3
SAMOA ISLANDS REGION	MOMENT TENSOR SOLUTION	Principal Axes:
CENTROID, MOMENT TENSOR (HRV)	Dep 6 No. of sta: 31	Scale 10**16 Nm
Data Used: GDSN	Principal Axes:	T Val= 8.04 Plg=70 Azm=198
L.P.B.: 33S, 54C	Scale 10**19 Nm	N -0.36 1 105
Centroid Location:	T Val= 1.46 Plg=11 Azm=186	P -7.68 20 15
Origin Time 11:45:22.6 0.3	N 0.07 4 277	Best Double Couple:Mo=7.9*10**16
Lat 16.07S 0.04 Lon 172.77W 0.04	P -1.52 78 28	NP1:Strike=103 Dip=25 Slip= 87
Dep 15.0 FIX Half-duration 1.1	Best Double Couple:Mo=1.5*10**19	NP2: 286 65 91
Principal Axes:	NP1:Strike=271 Dip=34 Slip= -98	
Scale 10**17 Nm	NP2: 100 56 -85	20 08 45 26.26 7.433N 126.748E 51km
T Val= 1.98 Plg=40 Azm=127	CENTROID, MOMENT TENSOR (HRV)	5.4mb (58 obs.) 5.3Msz (48 obs.)
N -0.54 46 335	Data Used: GDSN	MINDANAO, PHILIPPINE ISLANDS
P -1.44 14 230	L.P.B.: 58S,147C M.W.: 49S,103C	CENTROID, MOMENT TENSOR (HRV)
Best Double Couple:Mo=1.7*10**17	Centroid Location:	Data Used: GDSN
NP1:Strike=277 Dip=51 Slip= 22	Origin Time 06:20:23.1 0.1	L.P.B.: 59S,109C
NP2: 173 73 139	Lat 22.48N 0.01 Lon 118.72E 0.01	Centroid Location:
15 07 07 08.49 23.709N 121.962E 49km	Dep 15.0 BDY Half-duration 5.4	Origin Time 08:45:32.6 0.1
5.1mb (35 obs.) 4.5Msz (1 obs.)	Principal Axes:	Lat 7.30N 0.01 Lon 127.03E 0.01
TAIWAN	Scale 10**19 Nm	Dep 42.7 1.1 Half-duration 1.8
CENTROID, MOMENT TENSOR (HRV)	T Val= 1.25 Plg=12 Azm=184	Principal Axes:
Data Used: GDSN	N 0.00 15 278	Scale 10**17 Nm
L.P.B.: 13S, 15C	P -1.25 71 56	T Val= 5.40 Plg=71 Azm=354
Centroid Location:	Best Double Couple:Mo=1.2*10**19	N 0.34 17 200
Origin Time 07:07:10.2 0.5	NP1:Strike=256 Dip=35 Slip=-116	P -5.74 8 108
Lat 23.64N FIX;Lon 121.75E FIX	NP2: 107 59 -73	Best Double Couple:Mo=5.6*10**17
Dep 37.3 5.6 Half-duration 1.2		NP1:Strike=179 Dip=40 Slip= 63
Principal Axes:	17 12 22 14.84 32.186S 71.680W 28km	NP2: 33 55 111
Scale 10**16 Nm	5.7mb (50 obs.) 5.3Msz (36 obs.)	
T Val= 7.76 Plg=59 Azm=305	NEAR COAST OF CENTRAL CHILE	21 06 09 17.06 1.091N 127.161E 143km
N -0.76 18 184	CENTROID, MOMENT TENSOR (HRV)	5.5mb (28 obs.)
P -7.00 25 85	Data Used: GDSN	HALMAHERA, INDONESIA
Best Double Couple:Mo=7.4*10**16	L.P.B.: 49S, 84C	CENTROID, MOMENT TENSOR (HRV)
NP1:Strike=142 Dip=26 Slip= 45	Centroid Location:	Data Used: GDSN
NP2: 10 72 109	Origin Time 12:22:20.5 0.2	L.P.B.: 12S, 13C
	Lat 32.48S 0.02 Lon 72.01W 0.02	Centroid Location:
15 19 48 23.49 54.357N 161.856W 50km	Dep 18.8 1.1 Half-duration 1.6	Origin Time 06:09:24.8 1.0
5.2mb (78 obs.) 4.9Msz (13 obs.)	Principal Axes:	Lat 1.34N 0.09 Lon 127.14E 0.17
ALASKA PENINSULA	Scale 10**17 Nm	Dep 161.2 4.3 Half-duration 2.0
CENTROID, MOMENT TENSOR (HRV)	T Val= 3.76 Plg=71 Azm=117	Principal Axes:
Data Used: GDSN	N 0.30 3 18	Scale 10**16 Nm
L.P.B.: 32S, 58C	P -4.07 19 287	T Val= 7.05 Plg=31 Azm=164
Centroid Location:	Best Double Couple:Mo=3.9*10**17	N -0.06 39 44
Origin Time 19:48:24.3 0.2	NP1:Strike= 11 Dip=26 Slip= 83	P -6.99 35 279
Lat 54.26N 0.03 Lon 161.69W 0.04	NP2: 199 64 93	Best Double Couple:Mo=7.0*10**16
		NP1:Strike=309 Dip=39 Slip= -4

NP2: 42 88 -129
 22 14 24 33.95 32.240S 71.836W 27km
 5.6mb (43 obs.) 5.2Msz (29 obs.)
 NEAR COAST OF CENTRAL CHILE
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 31S, 37C
 Centroid Location:
 Origin Time 14:24:38.4 0.4
 Lat 32.07S 0.05 Lon 71.90W 0.07
 Dep 27.0 FIX Half-duration 1.1
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.74 Plg=46 Azm=259
 N 0.14 33 126
 P -1.88 25 18
 Best Double Couple:Mo=1.8*10**17
 NP1:Strike= 61 Dip=36 Slip= 21
 NP2: 314 78 124
 23 02 37 55.49 37.184N 142.123E 25km
 5.4mb (98 obs.) 5.0Msz (10 obs.)
 OFF EAST COAST OF HONSHU, JAPAN
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 20S, 23C
 Centroid Location:
 Origin Time 02:37:58.2 0.5
 Lat 37.42N 0.08 Lon 142.34E 0.08
 Dep 26.0 FIX Half-duration 1.1
 Principal Axes:
 Scale 10**16 Nm
 T Val= 6.79 Plg=66 Azm= 67
 N -1.24 7 321
 P -5.55 23 228
 Best Double Couple:Mo=6.2*10**16
 NP1:Strike=303 Dip=23 Slip= 71
 NP2: 144 68 98
 23 07 59 38.92 3.379S 148.537E 33km
 5.7mb (68 obs.) 6.0Msz (37 obs.)
 BISMARCK SEA
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike= 20 Dip=90 Slip= 178
 NP2: 110 88 360
 Principal Axes:
 T Plg= 1 Azm=335
 P 1 65
 Comment: The focal mechanism is
 well controlled and
 corresponds to left-lateral
 strike-slip faulting. The
 preferred fault plane is NP2.
 RADIATED ENERGY
 No. of sta: 10 Focal mech. F
 Energy 1.0±0.3*10**14 Nm
 MOMENT TENSOR SOLUTION
 Dep 19 No. of sta: 14
 Principal Axes:
 Scale 10**18 Nm
 T Val= 1.10 Plg=13 Azm=333
 N 0.09 76 147
 P -1.19 1 243
 Best Double Couple:Mo=1.1*10**18
 NP1:Strike= 17 Dip=79 Slip= 171
 NP2: 109 82 11
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 67S, 151C
 Centroid Location:
 Origin Time 07:59:40.9 0.1
 Lat 3.10S 0.01 Lon 149.00E 0.01
 Dep 15.0 FIX Half-duration 1.1
 Principal Axes:
 Scale 10**18 Nm
 T Val= 1.39 Plg= 8 Azm=335
 N -0.04 80 119
 P -1.35 6 244
 Best Double Couple:Mo=1.4*10**18
 NP1:Strike= 20 Dip=80 Slip= 178
 NP2: 110 88 10
 23 19 15 44.46 36.045N 100.146E 33km
 5.1mb (59 obs.) 4.5Msz (5 obs.)
 QINGHAI, CHINA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 26S, 29C
 Centroid Location:
 Origin Time 19:15:51.3 0.4
 Lat 36.07N 0.07 Lon 100.05E 0.08
 Dep 15.0 FIX Half-duration 1.0

Principal Axes:
 Scale 10**16 Nm
 T Val= 9.84 Plg=72 Azm=262
 N 0.11 10 140
 P -9.95 15 47
 Best Double Couple:Mo=9.9*10**16
 NP1:Strike=123 Dip=31 Slip= 71
 NP2: 325 61 101
 24 03 25 37.30 14.477S 166.644E 33km
 5.1mb (15 obs.)
 VANUATU ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 11S, 11C
 Centroid Location:
 Origin Time 03:25:44.8 1.0
 Lat 14.43S FIX;Lon 166.55E FIX
 Dep 33.0 FIX Half-duration 1.3
 Principal Axes:
 Scale 10**16 Nm
 T Val= 9.75 Plg=40 Azm=116
 N -0.78 28 359
 P -8.97 37 246
 Best Double Couple:Mo=9.4*10**16
 NP1:Strike=274 Dip=28 Slip= 4
 NP2: 180 88 118
 26 21 31 19.90 3.125S 127.468E 33km
 5.2mb (22 obs.) 4.6Msz (8 obs.)
 SERAM, INDONESIA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 33S, 53C
 Centroid Location:
 Origin Time 21:31:27.1 0.5
 Lat 2.56S 0.04 Lon 126.90E 0.06
 Dep 42.5 5.4 Half-duration 1.4
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.64 Plg=29 Azm=258
 N -0.24 41 139
 P -1.40 35 12
 Best Double Couple:Mo=1.5*10**17
 NP1:Strike= 42 Dip=41 Slip= -6
 NP2: 136 86 -131
 27 12 37 50.47 51.342N 178.421E 33km
 5.0mb (52 obs.) 4.8Msz (11 obs.)
 RAT ISLANDS, ALEUTIAN ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 30S, 46C
 Centroid Location:
 Origin Time 12:37:52.0 0.4
 Lat 51.33N 0.04 Lon 178.63E 0.08
 Dep 30.6 2.9 Half-duration 1.2
 Principal Axes:
 Scale 10**16 Nm
 T Val= 11.44 Plg=61 Azm=312
 N 0.62 10 62
 P -12.06 26 157
 Best Double Couple:Mo=1.2*10**17
 NP1:Strike=271 Dip=21 Slip= 121
 NP2: 59 72 79
 27 23 04 51.62 5.680N 79.185W 33km
 5.3mb (73 obs.) 5.4Msz (34 obs.)
 SOUTH OF PANAMA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 64S, 144C M.W.: 50S, 74C
 Centroid Location:
 Origin Time 23:04:54.8 0.1
 Lat 5.90N 0.01 Lon 78.92W 0.01
 Dep 16.3 0.6 Half-duration 3.0
 Principal Axes:
 Scale 10**18 Nm
 T Val= 2.11 Plg= 6 Azm=321
 N -0.06 66 65
 P -2.04 23 228
 Best Double Couple:Mo=2.1*10**18
 NP1:Strike= 7 Dip=69 Slip=-167
 NP2: 273 78 -21
 28 05 37 35.02 51.313N 178.388E 33km
 5.1mb (80 obs.) 5.3Msz (35 obs.)
 RAT ISLANDS, ALEUTIAN ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 57S, 107C
 Centroid Location:
 Origin Time 05:37:38.9 0.2

Lat 51.47N 0.02 Lon 178.52E 0.03
 Dep 16.9 1.1 Half-duration 1.8
 Principal Axes:
 Scale 10**17 Nm
 T Val= 5.43 Plg=62 Azm=333
 N 0.51 4 71
 P -5.95 28 163
 Best Double Couple:Mo=5.7*10**17
 NP1:Strike=264 Dip=17 Slip= 104
 NP2: 70 73 86
 28 16 39 51.67 5.786S 110.352E 638km
 5.9mb (99 obs.)
 JAVA SEA
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=322 Dip=52 Slip= -65
 NP2: 105 44 -118
 Principal Axes:
 T Plg= 4 Azm= 35
 P 70 293
 Comment: The focal mechanism is
 well controlled and
 corresponds to normal
 faulting with a moderate left-
 lateral strike-slip
 component. The preferred
 fault plane is NP1.
 RADIATED ENERGY
 No. of sta: 15 Focal mech. F
 Energy 4.4±1.0*10**13 Nm
 MOMENT TENSOR SOLUTION
 Dep 642 No. of sta: 21
 Principal Axes:
 Scale 10**19 Nm
 T Val= 1.03 Plg= 7 Azm= 34
 N -0.03 17 126
 P -1.00 71 281
 Best Double Couple:Mo=1.0*10**19
 NP1:Strike=104 Dip=41 Slip=-118
 NP2: 319 55 -68
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 69S, 169C
 Centroid Location:
 Origin Time 16:39:57.4 0.1
 Lat 5.75S 0.01 Lon 110.28E 0.01
 Dep 652.7 0.9 Half-duration 4.7
 Principal Axes:
 Scale 10**18 Nm
 T Val= 8.97 Plg= 3 Azm= 35
 N 0.11 16 125
 P -9.08 74 293
 Best Double Couple:Mo=9.0*10**18
 NP1:Strike=108 Dip=44 Slip=-113
 NP2: 319 50 -69
 28 17 33 58.21 5.731S 110.364E 628km
 5.5mb (71 obs.)
 JAVA SEA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 33C
 Centroid Location:
 Origin Time 17:34: 5.0 1.0
 Lat 5.76S 0.06 Lon 110.48E 0.09
 Dep 653.2 4.1 Half-duration 2.2
 Principal Axes:
 Scale 10**17 Nm
 T Val= 10.36 Plg=22 Azm= 44
 N 2.02 0 134
 P -12.39 68 224
 Best Double Couple:Mo=1.1*10**18
 NP1:Strike=134 Dip=23 Slip= -90
 NP2: 314 67 -90
 28 21 22 10.88 4.708S 102.200E 46km
 5.3mb (40 obs.) 4.9Msz (6 obs.)
 SOUTHERN SUMATERA, INDONESIA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 17S, 28C
 Centroid Location:
 Origin Time 21:22:12.1 0.9
 Lat 4.03S 0.07 Lon 102.59E 0.08
 Dep 15.0 FIX Half-duration 1.3
 Principal Axes:
 Scale 10**17 Nm
 T Val= 2.16 Plg=32 Azm= 31
 N -0.36 18 133
 P -1.81 52 248
 Best Double Couple:Mo=2.0*10**17
 NP1:Strike= 75 Dip=21 Slip=-150
 NP2: 317 80 -71

<pre> 30 06 45 09.50 3.166S 127.410E 27km 5.1mb (14 obs.) SERAM, INDONESIA CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 14S, 19C Centroid Location: Origin Time 06:45:14.6 1.1 Lat 3.16S 0.12 Lon 127.77E 0.16 Dep 18.9 8.2 Half-duration 1.7 Principal Axes: Scale 10**16 Nm T Val= 6.90 Plg=58 Azm=186 N 0.20 3 281 P -7.10 32 13 Best Double Couple:Mo=7.0*10**16 NP1:Strike=114 Dip=13 Slip= 103 NP2: 281 77 87 </pre>	<pre> L.P.B.: 7S, 9C Centroid Location: Origin Time 10:44:27.6 0.9 Lat 10.26S FIX;Lon 161.08E FIX Dep 84.0 FIX Half-duration 1.2 Principal Axes: Scale 10**16 Nm T Val= 6.83 Plg=29 Azm=155 N -1.29 11 252 P -5.54 58 0 Best Double Couple:Mo=6.2*10**16 NP1:Strike=216 Dip=19 Slip=-127 NP2: 74 75 -79 </pre>	<pre> Principal Axes: Scale 10**17 Nm T Val= 5.25 Plg=24 Azm= 92 N 0.56 23 193 P -5.81 56 322 Best Double Couple:Mo=5.5*10**17 NP1:Strike=144 Dip=30 Slip=-142 NP2: 20 72 -66 </pre>
<pre> 30 10 44 21.98 10.273S 161.129E 84km 4.9mb (18 obs.) SOLOMON ISLANDS CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN </pre>	<pre> 30 19 30 18.46 21.217S 179.293W 643km 5.3mb (46 obs.) FIJI ISLANDS REGION CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 55S,106C Centroid Location: Origin Time 19:30:22.1 0.2 Lat 21.04S 0.02 Lon 179.15W 0.01 Dep 644.1 1.2 Half-duration 1.9 </pre>	

Compiled by Pingsheng Chang, Willis S. Jacobs, Stuart K. Koyanagi, Christina K. Lavonne, John H. Minsch, Waverly J. Person, Bruce W. Presgrave, William H. Schmieder, Pamela J. Tatalaski, and Madeleine D. Zirbes.

Earthquake Focal Mechanisms for September 1994

Earthquake epicenters in Alaska and adjacent regions for September, 1994

Earthquake epicenters in the conterminous United States and adjacent regions for September, 1994

Earthquakes located in September, 1994