U.S. DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

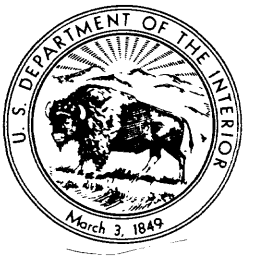
PRELIMINARY DETERMINATION OF EPICENTERS MONTHLY LISTING

JULY-SEPTEMBER 1998

NATIONAL EARTHQUAKE INFORMATION CENTER

Open-File Report

98-600-C



1999

)2	00	07	35.1?	19.96	N	96.81	E	33	N		1.1	7	MYANMAR
)2	00	22	28.8*	21.795	S	68.148	W	131	*	4.5	0.8	16	CHILE-BOLIVIA BORDER REGION
)2	00	22	42.7&	7.200	N	81.568	W	10				8	PANAMA. <UPA>. MD 4.1 (UPA).
)2	00	30	52.3*	34.643	N	136.596	E	347	*	4.2	1.1	11	WESTERN HONSHU, JAPAN
)2	00	35	25.2&	7.389	N	82.770	W	22				7	SOUTH OF PANAMA. <UPA>. MD 4.2 (UPA).
)2	01	47	33.0&	34.030	S	72.526	W	30				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
)2	02	01	19.2&	34.343	S	72.506	W	34				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
)2	02	35	32.0&	36.298	N	31.894	E	9				15	TURKEY. <ISK>. MD 3.4 (ISK).
)2	03	04	02.0	51.641	N	16.160	E	5	G		0.6	20	POLAND. ML 3.3 (VIE), 3.1 (WAR), 2.8 (CLL).
)2	03	36	04.5&	6.919	N	82.631	W	10				7	SOUTH OF PANAMA. <UPA>. MD 4.1 (UPA).
)2	03	39	50.0&	36.920	N	117.540	W	6		4.8 4.4		170	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. Mw 4.7 (BRK). MD 4.9 (REN). Moment Tensor (BRK): Dep 5; Principal axes (scale 10**16 Nm): (T) Val=1.35, Plg=2, Azm=283; (N) Val=0.00, Plg=85, Azm=36; (P) Val=-1.35, Plg=5, Azm=193; Best double couple: Mo=1.4*10**16 Nm; NP1: Strike=238, Dip=88, Slip=-5; NP2: Strike=328, Dip=85, Slip=-178.
)2	04	23	18.4	35.684	N	1.596	W	10	G		0.7	27	NORTHERN ALGERIA. mbLg 3.9 (MDD).
)2	04	30	04.7?	37.14	N	22.02	E	10	G	4.1	1.4	10	SOUTHERN GREECE
)2	04	30	54.0&	36.930	N	117.540	W	6				13	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 2.9 (REN). ML 3.1 (GS).
)2	04	34	47.0?	39.89	S	174.03	E	150	G		0.2	8	NORTH ISLAND, NEW ZEALAND
)2	04	47	07.9	51.972	N	169.671	W	33	N	5.2 4.7	1.1	223	FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.4 (HRV). ML 5.1 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 04:47:09.2; Lat 52.00 N; Lon 169.83 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.16, Plg=61, Azm=317; (N) Val=0.12, Plg=5, Azm=55; (P) Val=-1.28, Plg=29, Azm=148; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=251, Dip=17, Slip=107; NP2: Strike=54, Dip=74, Slip=85.
)2	04	47	43.6&	57.960	N	156.660	W	3				6	ALASKA PENINSULA. <AEIC>. ML 2.5 (AEIC).
)2	05	09	09.0	1.396	N	90.282	E	10	G	4.7	1.0	43	NORTH INDIAN OCEAN
)2	05	11	32.0&	36.930	N	117.540	W	7				8	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 2.8 (REN).
)2	05	50	04.1	49.258	N	28.964	W	10	G	5.0 4.6	0.9	165	NORTHERN MID-ATLANTIC RIDGE. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:50:07.7; Lat 49.34 N; Lon 28.53 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.53, Plg=70, Azm=124; (N) Val=-0.27, Plg=14, Azm=352; (P) Val=-4.26, Plg=14, Azm=258; Best double couple: Mo=4.4*10**16 Nm; NP1: Strike=330, Dip=33, Slip=65; NP2: Strike=180, Dip=60, Slip=106.
)2	06	54	33.3&	8.175	N	77.644	W	2				10	PANAMA-COLOMBIA BORDER REGION. <UPA>. MD 4.3 (UPA).
)2	06	58	19.4&	60.016	N	152.399	W	85				83	SOUTHERN ALASKA. <AEIC>.
)2	07	13	50.6&	60.365	N	153.098	W	142				50	SOUTHERN ALASKA. <AEIC>.
)2	07	30	59.9&	33.899	S	71.452	W	49				8	NEAR COAST OF CENTRAL CHILE. <GUC>.
)2	07	33	23.1&	39.584	N	29.614	E	10				4	TURKEY. <ISK>. MD 2.6 (ISK).
)2	07	57	40.3&	8.051	N	77.284	W	21				6	PANAMA-COLOMBIA BORDER REGION. <UPA>. MD 4.1 (UPA).
)2	08	19	10.7&	33.470	S	70.327	W	111				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
)2	08	20	38.6&	39.654	N	29.431	E	10	G			5	TURKEY. <ISK>. MD 2.6 (ISK).
)2	08	31	43.0	37.028	N	20.967	E	33	N	4.3	0.8	29	IONIAN SEA. ML 4.3 (ROM).
)2	08	36	20.9	1.692	S	126.548	E	33	N	5.0	1.3	41	SOUTHERN MOLUCCA SEA
)2	10	28	45.4*	40.021	S	75.553	W	10	G	4.5	0.8	20	OFF COAST OF SOUTHERN CHILE. MD 4.2 (GUC).
)2	10	35	46.0&	36.940	N	117.530	W	8				27	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 3.7 (REN). ML 3.6 (GS).
)2	10	43	10.2&	37.595	N	118.817	W	6				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM).
)2	10	44	24.0&	35.442	N	118.440	W	8				29	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
)2	12	14	19.7&	37.597	N	118.824	W	6				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
)2	12	30	14.3&	39.668	N	29.471	E	9				6	TURKEY. <ISK>. MD 2.6 (ISK).
)2	12	57	07.9*	15.603	S	75.095	W	33	N	4.6 4.1	0.9	27	NEAR COAST OF PERU
)2	13	36	26.0&	31.979	S	70.437	W	133				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
)2	13	45	58.1	17.765	S	65.099	W	33	N	4.8 4.6	1.2	62	CENTRAL BOLIVIA
)2	13	55	52.4&	31.976	S	69.889	W	144				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.2 (GUC).
)2	14	40	18.6&	53.930	N	163.890	W	19				10	UNIMAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
)2	15	20	11.1&	35.984	S	71.318	W	160				14	CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
)2	15	44	51.1&	40.193	N	28.447	E	13				4	TURKEY. <ISK>. MD 2.5 (ISK).
)2	15	58	56.8&	36.926	N	29.337	E	10	G			4	TURKEY. <ISK>. MD 3.1 (ISK).
)2	16	30	43.6	4.339	S	126.389	E	400	G	4.1	0.9	19	BANDA SEA
)2	17	07	08.4&	33.777	S	72.321	W	15				11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
)2	17	13	11.0?	40.96	N	23.95	E	10	G		1.4	6	GREECE
)2	17	14	58.9&	33.744	S	72.273	W	26				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
)2	17	32	53.1&	36.500	N	2.730	W	0	G			8	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.7 (MDD).
)2	17	49	18.6&	33.778	S	72.257	W	35				14	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
)2	18	34	17.9&	42.700	N	1.100	E	2				4	PYRENEES. <LDG>. ML 2.0 (LDG).
)2	18	44	52.2*	63.384	N	151.224	W	33	N		0.7	5	CENTRAL ALASKA. ML 3.0 (PMR).
)2	18	46	49.6&	32.251	S	69.678	W	128				10	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.3 (GUC).
)2	20	50	14.0%	45.607	N	26.650	E	100	G		0.7	7	ROMANIA
)2	21	19	10.9&	42.800	N	0.100	E	2				6	PYRENEES. <LDG>. ML 2.2 (LDG).
)2	22	08	56.9*	8.758	S	117.510	E	100	G	3.9	0.8	7	SUMBAWA REGION, INDONESIA
)2	23	04	06.7&	40.450	N	28.424	E	5				7	TURKEY. <ISK>. MD 3.1 (ISK).
)2	23	10	15.2&	30.698	S	71.969	W	12				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
)2	23	52	23.9&	30.436	S	69.890	W	218				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.9 (GUC).
)3	00	11	28.8&	37.040	N	3.930	W	0	G			6	SPAIN. <MDD>. mbLg 1.5 (MDD).
)3	00	15	26.8*	16.442	S	174.174	W	33	N	4.6	1.0	54	TONGA ISLANDS
)3	00	22	07.8&	44.160	N	7.120	E	2	G			27	NORTHERN ITALY. <STR>. ML 2.3 (GEN), 2.0 (STR), 1.9 (LDG).
)3	00	33	22.1&	44.300	N	6.900	E	2				10	FRANCE. <LDG>. ML 2.4 (LDG).
)3	00	36	24.9	1.557	S	116.186	E	33	N	4.6	0.8	41	BORNEO. Felt (III) at Balikpapan.
)3	01	00	40.9?	17.79	S	172.88	W	33	N	4.4	1.1	21	TONGA ISLANDS REGION
)3	01	10	30.0&	33.765	S	72.202	W	8				11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
)3	02	06	45.7*	13.153	S	166.943	E	184	?	4.7	1.3	39	VANUATU ISLANDS
)3	02	31	24.3	43.362	N	147.098	E	57	D	5.1	0.7	232	KURIL ISLANDS. Felt (I JMA) in eastern Hokkaido.
)3	03	03	58.8&	33.177	S	70.075	W	129				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
)3	03	37	19.4	41.950	N	23.151	E	10	G		1.0	28	GREECE-BULGARIA BORDER REGION
)3	04	12	02.4&	40.339	N	124.213	W	22				4	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).

USGS
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U.S. Department of the Interior
U.S. Geological Survey

Preliminary Determination of Epicenters

Monthly Listing

National Earthquake Information Center

JULY 1998

ORIGIN TIME UTC DAY	HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH	MAGNITUDE GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	01	40	21.1	20.299	S	177.695	W	500 G	4.5		0.9	59	FIJI ISLANDS REGION
01	02	05	29.3&	63.539	N	150.936	W	9				26	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
01	02	12	10.4	39.360	N	25.952	E	10 G			0.8	23	AEGEAN SEA. MD 3.6 (ISK).
01	02	43	34.8*	40.315	N	76.992	E	33 N	4.4	4.0	1.0	37	KYRGYZSTAN-XINJIANG BORDER REG.
01	03	30	12.7&	40.621	N	27.609	E	9				5	TURKEY. <ISK>. MD 2.8 (ISK).
01	04	09	58.1	40.448	N	25.262	E	10 G			0.9	16	AEGEAN SEA. MD 3.6 (ISK).
01	04	15	21.1&	36.106	S	70.547	W	209				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
01	04	55	02.5&	32.613	S	71.815	W	29				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
01	05	26	39.9&	45.019	N	7.169	E	3				4	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
01	05	29	47.3&	15.982	N	99.078	W	16				17	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 4.3 (UNM).
01	05	29	57.3&	16.710	N	60.946	W	85				6	LEEWARD ISLANDS. <TRN>. MD 2.9 (TRN).
01	05	33	56.4&	19.480	N	68.990	W	25				9	NORTH ATLANTIC OCEAN. <MPR>. MD 3.4 (MPR).
01	06	08	55.4*	11.204	N	86.559	W	33 N	4.5		1.1	38	NEAR COAST OF NICARAGUA
01	06	25	01.2&	36.989	N	35.559	E	11				4	TURKEY. <ISK>. MD 3.7 (ISK).
01	06	38	11.2&	36.789	S	71.960	W	117				11	CENTRAL CHILE. <GUC>. MD 2.9 (GUC).
01	07	11	54.1&	58.775	N	154.942	W	136				50	ALASKA PENINSULA. <AEIC>.
01	07	18	39.1*	9.916	N	126.736	E	33 N	4.7		1.0	13	MINDANAO, PHILIPPINE ISLANDS
01	07	45	58.9	2.383	N	126.702	E	65 *	5.0		1.0	55	NORTHERN MOLUCCA SEA
01	08	44	25.1	37.011	N	4.237	W	10 G			0.6	11	SPAIN. mbLg 2.3 (MDD).
01	08	49	08.6&	39.635	N	29.382	E	10 G				6	TURKEY. <ISK>. MD 2.7 (ISK).
01	09	02	49.1&	45.050	N	4.110	E	2				4	FRANCE. <STR>. ML 2.4 (STR).
01	09	06	41.8	19.630	N	121.477	E	33 N	4.6		0.9	37	PHILIPPINE ISLANDS REGION
01	09	10	12.9?	42.30	N	13.38	E	10 G			1.3	13	CENTRAL ITALY. ML 3.6 (VIE), 3.4 (LDG).
01	09	20	47.9&	18.650	N	65.920	W	70				6	PUERTO RICO REGION. <MPR>. MD 2.5 (MPR).
01	11	29	09.6&	40.832	N	29.491	E	11				4	TURKEY. <ISK>. MD 2.7 (ISK).
01	11	29	17.0	3.053	N	127.138	E	33 N	4.9		0.9	58	TALAUD ISLANDS, INDONESIA
01	12	17	22.1&	40.251	N	29.217	E	6				4	TURKEY. <ISK>. MD 2.5 (ISK).
01	12	21	20.4*	3.719	S	140.540	E	100 G	4.5		1.4	13	IRIAN JAYA, INDONESIA
01	12	50	04.0&	31.052	S	71.387	W	20				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
01	13	48	15.4&	39.656	N	29.415	E	8				6	TURKEY. <ISK>. MD 2.7 (ISK).
01	14	20	11.0&	62.973	N	151.334	W	131				99	CENTRAL ALASKA. <AEIC>.
01	14	57	15.5	1.222	S	80.950	W	33 N	5.1	4.2	0.9	84	NEAR COAST OF ECUADOR. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:57:14.6; Lat 1.65 S; Lon 81.07 W; Dep 33.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.40, Plg=64, Azm=123; (N) Val=0.51, Plg=14, Azm=2; (P) Val=-6.91, Plg=21, Azm=267; Best double couple: Mo=6.7*10**16 Nm; NP1: Strike=333, Dip=27, Slip=58; NP2: Strike=188, Dip=68, Slip=105.
01	15	09	09.9&	39.385	N	29.427	E	10 G				4	TURKEY. <ISK>. MD 2.7 (ISK).
01	15	32	55.3&	39.281	N	29.219	E	5				6	TURKEY. <ISK>. MD 2.9 (ISK).
01	16	15	34.0&	59.530	N	153.990	W	129				51	SOUTHERN ALASKA. <AEIC>.
01	16	44	40.2	36.438	N	9.701	W	10 G			1.0	48	WEST OF GIBRALTAR. mbLg 3.5 (MDD).
01	17	19	43.8&	32.084	S	70.210	W	112				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
01	17	54	23.6&	60.711	N	151.588	W	71	4.4			157	KENAI PENINSULA, ALASKA. <AEIC>. Felt (IV) at Anchorage and Nikiski; (III) at Eagle River, Palmer and Wasilla.
01	19	25	07.8&	59.743	N	152.858	W	97				49	SOUTHERN ALASKA. <AEIC>.
01	20	38	46.8	32.078	S	112.047	W	10 G	5.0	4.8	0.8	79	SOUTHERN EAST PACIFIC RISE. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:38:52.2; Lat 32.54 S; Lon 111.83 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.05, Plg=33, Azm=249; (N) Val=0.08, Plg=49, Azm=111; (P) Val=-1.14, Plg=21, Azm=354; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=36, Dip=50, Slip=9; NP2: Strike=299, Dip=83, Slip=140.
01	20	40	35.6*	24.000	S	66.698	W	187 *	4.5		0.9	10	SALTA PROVINCE, ARGENTINA
01	20	42	38.3*	0.056	N	122.123	E	200 G	4.1		0.8	13	MINAHASSA PENINSULA, SULAWESI
01	21	36	32.4*	27.782	N	53.622	E	33 N			1.1	10	SOUTHERN IRAN
01	23	04	56.9	4.045	S	144.888	E	33 N	3.9		0.9	22	NEAR N COAST OF NEW GUINEA, PNG.
02	00	01	44.6?	30.12	N	97.79	E	33 N			1.5	5	XIZANG
02	00	05	58.7*	21.019	N	93.699	E	56 D	4.1		1.3	13	MYANMAR

03	04	51	26.3&	58.605	N	153.846	W	85		2.8		48	KODIAK ISLAND REGION. <AEIC>.
03	05	01	03.6*	51.167	N	179.926	W	33	N	4.5	1.1	30	ANDREANOF ISLANDS, ALEUTIAN IS.
03	05	23	19.5&	31.116	S	71.698	W	22				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
03	05	28	15.9&	30.187	S	67.973	W	70				8	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.4 (GUC).
03	05	49	10.2&	33.450	S	70.508	W	88				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
03	06	14	48.4&	31.613	S	69.971	W	145				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.8 (GUC).
03	06	14	48.6	45.630	N	26.753	E	150		3.9	1.0	27	ROMANIA. Felt (II) at Chisinau, Moldova.
03	06	32	10.8	8.834	S	111.860	E	100	G	4.8	1.2	41	JAWA, INDONESIA
03	06	40	11.6	8.175	S	70.834	W	614	D	5.1	0.8	313	WESTERN BRAZIL. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:40:16.5; Lat 8.14 S; Lon 70.67 W; Dep 655.9; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.14, Plg=15, Azm=241; (N) Val=0.13, Plg=4, Azm=150; (P) Val=-1.27, Plg=75, Azm=47; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=336, Dip=30, Slip=-83; NP2: Strike=148, Dip=60, Slip=-94.
03	06	53	40.9&	41.315	N	28.241	E	10	G			5	TURKEY. <ISK>. MD 2.8 (ISK).
03	07	42	25.0&	36.960	N	117.520	W	3				17	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 3.4 (REN). ML 3.2 (GS).
03	08	00	35.4&	38.573	N	26.193	E	10	G			8	AEGEAN SEA. <ISK>. MD 3.5 (ISK).
03	08	03	59.3&	39.647	N	29.543	E	10	G			4	TURKEY. <ISK>. MD 2.5 (ISK).
03	08	37	31.0&	36.910	N	117.550	W	5				23	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. ML 3.4 (GS). Two events about 8 seconds apart. Hypocenter is for the first event and magnitude for the second and larger event.
03	09	23	13.0	0.967	N	126.007	E	63	*	4.6	1.2	29	NORTHERN MOLUCCA SEA
03	09	26	20.1&	31.302	S	69.559	W	204				9	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
03	10	02	41.0&	36.940	N	117.540	W	3				15	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 3.0 (REN). ML 3.0 (GS).
03	10	05	56.4?	6.31	S	147.93	E	52	*	3.5	1.4	10	EASTERN NEW GUINEA REG., P.N.G.
03	10	24	35.0&	36.960	N	117.500	W	0				14	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 2.8 (REN). ML 3.0 (GS).
03	10	33	11.7	21.337	S	66.543	W	225	*	4.5	0.9	23	SOUTHERN BOLIVIA
03	10	37	49.7*	24.199	S	67.119	W	160	?		1.1	12	CHILE-ARGENTINA BORDER REGION
03	10	47	34.5*	51.322	N	16.156	E	5	G		1.2	7	POLAND. ML 3.1 (VIE).
03	11	43	52.4&	38.696	N	26.271	E	10	G			8	AEGEAN SEA. <ISK>. MD 3.4 (ISK).
03	12	11	24.0&	36.940	N	117.540	W	5				15	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 2.8 (REN). ML 2.9 (GS).
03	12	34	39.3	7.161	N	126.751	E	100	G	4.9	1.2	74	MINDANAO, PHILIPPINE ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:34:37.3; Lat 7.16 N Fix; Lon 126.75 E Fix; Dep 90.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.26, Plg=24, Azm=316; (N) Val=0.54, Plg=57, Azm=88; (P) Val=-5.80, Plg=22, Azm=216; Best double couple: Mo=5.5*10**16 Nm; NP1: Strike=356, Dip=57, Slip=179; NP2: Strike=87, Dip=89, Slip=33.
03	13	23	14.8&	32.623	S	71.701	W	15				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
03	13	25	33.0&	40.440	N	125.340	W	3				26	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. Mw 3.8 (BRK), ML 3.8 (GM), 3.7 (BRK). Moment Tensor (BRK): Dep 5; Principal axes (scale 10**14 Nm): (T) Val=6.13, Plg=27, Azm=57; (N) Val=0.00, Plg=62, Azm=218; (P) Val=-6.13, Plg=8, Azm=323; Best double couple: Mo=6.1*10**14 Nm; NP1: Strike=193, Dip=77, Slip=26; NP2: Strike=97, Dip=65, Slip=166.
03	14	24	31.4&	44.706	N	6.798	E	8				20	FRANCE. <GEN>. ML 2.5 (GEN), 2.3 (LDG).
03	14	38	29.6&	40.597	N	29.320	E	10	G			4	TURKEY. <ISK>. MD 2.5 (ISK).
03	14	51	42.1&	54.770	N	161.780	W	10				10	ALASKA PENINSULA. <AEIC>. ML 2.9 (AEIC).
03	15	28	09.8&	39.645	N	29.374	E	10	G			6	TURKEY. <ISK>. MD 2.7 (ISK).
03	15	48	24.0	42.305	N	1.825	E	5	G		1.1	27	PYRENEES. mbLg 3.0 (MDD).
03	16	08	53.3*	35.865	N	137.443	E	252		4.3	1.1	19	EASTERN HONSHU, JAPAN
03	16	41	47.5	3.954	S	80.259	W	79	D	4.6	1.0	35	PERU-ECUADOR BORDER REGION
03	16	58	44.7&	37.038	N	35.734	E	10	G			4	TURKEY. <ISK>. MD 3.4 (ISK).
03	17	27	59.5&	39.176	S	174.936	E	200	G		0.2	11	NORTH ISLAND, NEW ZEALAND
03	17	35	44.0&	36.940	N	117.540	W	0				18	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 3.6 (REN). ML 3.3 (GS).
03	19	00	52.0&	33.200	N	115.566	W	2				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). MD 3.1 (ECX).
03	19	05	18.4*	43.276	N	147.383	E	50	?	4.5	1.0	19	KURIL ISLANDS
03	19	14	22.4*	51.481	N	16.035	E	5	G		0.5	13	POLAND. ML 3.8 (GRF), 3.4 (VIE), 3.3 (WAR).
03	19	22	12.4&	62.204	N	151.011	W	65				60	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.4 (PMR).
03	19	34	09.0	3.852	N	126.688	E	94	*	4.8	1.0	41	TALAUD ISLANDS, INDONESIA
03	21	23	02.6	33.105	N	137.036	E	403		4.0	0.5	14	NEAR S. COAST OF HONSHU, JAPAN
03	21	35	31.4&	44.647	N	7.237	E	10				24	NORTHERN ITALY. <GEN>. ML 2.3 (GEN), 2.3 (STR), 2.0 (LDG).
03	21	37	45.4&	45.600	N	2.900	E	2				9	FRANCE. <LDG>. ML 2.0 (LDG).
03	22	22	43.6?	20.11	S	168.87	E	33	N		1.0	8	LOYALTY ISLANDS
03	22	29	33.0&	59.058	N	152.872	W	78				42	SOUTHERN ALASKA. <AEIC>.
03	23	11	06.0&	31.418	S	69.390	W	178				12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.3 (GUC).
03	23	49	47.7&	8.864	N	82.783	W	1				7	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.2 (UPA).
04	00	19	26.5*	43.704	N	147.685	E	71	D	4.5	1.2	7	KURIL ISLANDS
04	00	31	27.8?	48.82	N	125.88	W	10	G		0.4	21	VANCOUVER ISLAND REGION. ML 2.7 (PGC).
04	00	31	43.5&	36.940	N	7.350	W	15				13	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.4 (MDD).
04	00	42	00.8&	32.669	S	68.628	W	20				13	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 4.2 (GUC).
04	01	00	22.2&	37.032	N	35.726	E	10	G			4	TURKEY. <ISK>. MD 3.1 (ISK).
04	01	23	42.8	4.275	S	143.539	E	110	D	5.5	0.8	180	NEW GUINEA, PAPUA NEW GUINEA. Mw 5.4 (HRV), 5.3 (GS). Moment Tensor (GS): Dep 109; Principal axes (scale 10**17 Nm): (T) Val=1.14, Plg=58, Azm=349; (N) Val=0.00, Plg=16, Azm=106; (P) Val=-1.14, Plg=27, Azm=204; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=328, Dip=23, Slip=135; NP2: Strike=101, Dip=74, Slip=73. Centroid, Moment Tensor (HRV): Centroid origin time 01:23:47.6; Lat 4.38 S; Lon 143.41 E; Dep 104.9; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.26, Plg=56, Azm=355; (N) Val=-0.20, Plg=19, Azm=115; (P) Val=-1.06, Plg=28, Azm=215; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=344, Dip=24, Slip=141; NP2:

Strike=110, Dip=75, Slip=71.

04	01	33	54.4	6.809	S	154.612	E	33	N	4.9	0.7	15	SOLOMON ISLANDS
04	01	48	22.6&	60.921	N	151.301	W	58				15	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
04	01	58	17.1&	39.786	N	30.438	E	10	G			4	TURKEY. <ISK>. MD 2.7 (ISK).
04	02	15	46.9	36.874	N	35.321	E	33	N	5.0 4.7	1.2	267	TURKEY. Mw 5.4 (HRV). ML 5.3 (GII). MD 5.0 (ISK). At least 1,000 people injured and one building collapsed in the Adana-Ceyhan area.

Centroid, Moment Tensor (HRV): Centroid origin time 02:15:51.1; Lat 36.63 N; Lon 35.42 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.62, Plg=29, Azm=289; (N) Val=-0.06, Plg=54, Azm=149; (P) Val=-1.56, Plg=19, Azm=30; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=72, Dip=55, Slip=8; NP2: Strike=338, Dip=84, Slip=145.

04	02	15	47.7&	62.620	N	151.216	W	83				13	CENTRAL ALASKA. <AEIC>.
04	03	13	55.3&	32.875	N	118.427	W	14				15	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
04	03	23	43.0*	52.274	N	152.697	E	400	G	4.2	1.2	28	NORTHWEST OF KURIL ISLANDS
04	03	58	16.8	37.345	N	22.231	E	13		4.1	1.2	41	SOUTHERN GREECE. ML 3.8 (THE).
04	04	22	40.3	22.298	S	179.529	W	600	G	4.7	0.8	142	SOUTH OF FIJI ISLANDS
04	04	52	46.6&	17.150	N	67.580	W	172				4	MONA PASSAGE. <MPR>. MD 3.4 (MPR).
04	05	36	21.7&	31.276	S	69.387	W	186				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
04	05	47	31.0&	36.920	N	117.530	W	6				12	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 2.8 (REN). ML 3.1 (GS).
04	06	47	50.7*	50.358	N	18.896	E	5	G		0.8	7	POLAND. ML 3.2 (WAR).
04	07	34	54.8&	37.080	N	3.690	W	4				5	SPAIN. <MDD>. mbLg 1.9 (MDD).
04	07	35	46.2&	33.983	S	70.478	W	103				11	CHILE-ARGENTINA BORDER REGION. <GUC>.
04	07	45	01.4&	19.823	N	99.161	W	0				9	CENTRAL MEXICO. <UNM>. MD 3.2 (UNM).
04	07	47	47.8*	39.303	S	174.370	E	600	G	4.3	0.9	29	NORTH ISLAND, NEW ZEALAND
04	07	48	15.6&	38.825	N	122.798	W	5				13	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM).
04	08	24	51.0&	10.973	N	62.216	W	17				7	NEAR COAST OF VENEZUELA. <TRN>. MD 4.3 (TRN).
04	08	46	43.6&	31.859	S	69.898	W	136				12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.9 (GUC).
04	08	53	57.2&	36.470	N	3.200	W	0	G			5	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.9 (MDD).
04	08	56	56.5?	7.38	S	155.03	E	33	N	4.3	1.5	9	SOLOMON ISLANDS
04	09	19	54.2&	39.627	N	29.416	E	5				5	TURKEY. <ISK>. MD 2.6 (ISK).
04	09	24	23.3	36.881	N	35.433	E	33	N	4.4 3.7	1.3	61	TURKEY. ML 4.6 (GII). MD 4.5 (ISK).
04	10	04	38.6*	47.494	N	152.330	E	200	G	4.3	1.0	35	KURIL ISLANDS
04	11	05	03.3&	42.700	N	1.900	E	2				12	PYRENEES. <LDG>. ML 2.0 (LDG).
04	11	15	48.3&	34.636	N	116.687	W	1				40	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS).
04	11	18	18.0&	40.130	N	119.660	W	11				35	NEVADA. <REN-P>. Mw 3.9 (BRK). MD 3.9 (REN). ML 4.0 (BRK), 4.1 (GS). Felt at Sutcliffe.

Moment Tensor (BRK): Dep 8; Principal axes (scale 10**14 Nm): (T) Val=8.27, Plg=2, Azm=270; (N) Val=0.00, Plg=47, Azm=178; (P) Val=-8.27, Plg=43, Azm=2; Best double couple: Mo=8.3*10**14 Nm; NP1: Strike=145, Dip=63, Slip=-145; NP2: Strike=37, Dip=59, Slip=-32.

04	11	47	13.5*	17.110	S	69.330	W	174	*	4.5	1.1	12	PERU-BOLIVIA BORDER REGION
04	12	02	26.0*	32.884	S	179.883	E	200	G	4.5	0.9	18	SOUTH OF KERMADEC ISLANDS
04	12	11	30.9&	60.941	N	151.872	W	95		2.5		18	KENAI PENINSULA, ALASKA. <AEIC>.
04	12	36	19.9&	16.524	N	98.425	W	24				7	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
04	13	46	10.9&	44.120	N	7.154	E	11				30	NORTHERN ITALY. <GEN>. ML 2.6 (GEN), 2.3 (LDG), 2.2 (STR).
04	13	57	51.3*	32.468	S	178.749	W	200	G	4.4	0.8	22	SOUTH OF KERMADEC ISLANDS
04	13	57	58.7&	32.196	S	71.095	W	71				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
04	14	06	24.0&	36.930	N	117.550	W	5				14	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 3.0 (REN). ML 3.0 (GS).
04	14	10	20.4&	44.118	N	7.117	E	2				7	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
04	15	45	24.0*	15.333	S	173.323	W	33	N	4.3	0.9	16	TONGA ISLANDS
04	17	08	29.5*	53.927	N	161.418	E	54	?	4.4	1.2	36	OFF EAST COAST OF KAMCHATKA
04	18	45	16.5&	32.676	S	71.501	W	26				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
04	19	36	23.5&	37.530	N	6.950	W	14				8	SPAIN. <MDD>. mbLg 2.1 (MDD).
04	19	50	07.9&	45.700	N	7.800	E	2				4	NORTHERN ITALY. <LDG>. ML 1.7 (LDG).
04	20	10	08.1&	36.350	N	5.540	W	1				14	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.6 (MDD).
04	21	04	17.9&	8.442	N	82.766	W	1				7	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.2 (UPA).
04	21	05	36.5?	4.66	N	127.70	E	100	G	4.5	1.2	10	TALAUD ISLANDS, INDONESIA
04	23	53	16.4&	18.480	N	64.240	W	37				5	VIRGIN ISLANDS. <MPR>. MD 3.3 (MPR).
05	00	07	25.1*	2.945	S	142.443	E	33	N		0.6	7	NEAR N COAST OF NEW GUINEA, PNG.
05	00	13	16.3*	54.671	N	161.477	E	33	N	4.4	1.3	34	NEAR EAST COAST OF KAMCHATKA
05	00	21	05.6&	33.578	S	71.961	W	15				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
05	00	27	30.3&	33.562	S	71.989	W	15				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
05	00	42	52.2&	33.596	S	71.957	W	27				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
05	01	06	01.1	52.470	N	170.593	W	33	N	4.8	1.0	153	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.0 (PMR).
05	01	07	25.1&	57.683	N	155.897	W	2				34	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
05	01	25	36.7&	33.604	S	71.948	W	39				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
05	01	34	20.0*	23.357	S	175.954	W	33	N	4.4	0.9	13	TONGA ISLANDS REGION
05	01	38	32.0&	36.940	N	117.540	W	5				8	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 2.9 (REN). ML 2.8 (GS).
05	01	48	03.6&	36.390	N	5.470	W	0	G			6	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.0 (MDD).
05	01	52	49.6	23.466	S	175.860	W	33	N	4.9 5.0	1.0	46	TONGA ISLANDS REGION. Mw 5.4 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 01:52:55.0; Lat 23.62 S; Lon 175.42 W; Dep 36.5; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.36, Plg=67, Azm=323; (N) Val=0.11, Plg=12, Azm=203; (P) Val=-1.47, Plg=20, Azm=109; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=179, Dip=27, Slip=63; NP2: Strike=29, Dip=66, Slip=103.

05	02	37	52.5?	23.32	S	176.10	W	33	N		1.3	9	SOUTH OF FIJI ISLANDS
05	03	01	39.1	18.950	N	145.609	E	200	G	4.0	0.9	27	MARIANA ISLANDS
05	03	13	59.7&	49.740	N	8.550	E	2				12	GERMANY. <STR>. ML 2.4 (LDG), 2.0 (STR).
05	04	11	01.9*	12.924	N	125.721	E	33	N		1.0	12	SAMAR, PHILIPPINE ISLANDS
05	04	11	54.3&	11.213	N	61.075	W	17				6	WINDWARD ISLANDS. <TRN>. MD 3.9 (TRN).
05	04	33	22.9*	33.199	N	140.284	E	33	N		1.0	8	SOUTH OF HONSHU, JAPAN
05	05	28	04.0*	30.390	N	140.605	E	100	G	4.4	1.1	19	SOUTH OF HONSHU, JAPAN
05	05	50	21.6&	33.589	S	71.960	W	21				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
05	05	53	03.3&	35.102	S	71.660	W	44				7	CENTRAL CHILE. <GUC>.

05	06	25	50.8?	33.41	S	178.86	W	33	N			0.8	7	SOUTH OF KERMADEC ISLANDS
05	06	28	14.2*	18.030	S	168.430	E	33	N	4.6		1.3	18	VANUATU ISLANDS. Felt at Port-Vila.
05	06	31	21.5&	36.778	N	35.350	E	10	G				5	TURKEY. <ISK>. MD 3.4 (ISK).
05	06	35	23.7*	3.428	S	145.542	E	33	N	4.9		1.0	13	NEAR N COAST OF NEW GUINEA, PNG.
05	07	05	33.5&	57.942	N	156.203	W	124		2.8			48	ALASKA PENINSULA. <AEIC>.
05	07	47	09.7&	18.850	N	67.230	W	18					8	MONA PASSAGE. <MPR>. MD 3.0 (MPR).
05	07	52	42.4	7.474	S	128.235	E	150	G	4.7		1.1	42	BANDA SEA
05	07	53	09.4&	34.167	S	70.857	W	90					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
05	08	28	53.4*	39.621	N	141.052	E	33	N			1.2	7	EASTERN HONSHU, JAPAN. Felt (I JMA) in northwestern Iwate Prefecture.
05	08	44	40.6&	8.234	N	82.506	W	2					7	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.1 (UPA).
05	08	49	52.9	26.229	S	118.778	E	10	G			1.3	5	WESTERN AUSTRALIA
05	09	05	07.4	4.190	S	140.368	E	33	N	4.3		0.4	7	IRIAN JAYA, INDONESIA
05	09	10	26.4&	33.652	S	70.435	W	89					11	CHILE-ARGENTINA BORDER REGION. <GUC>.
05	09	43	54.5&	36.210	N	9.980	W	30	G				11	WEST OF GIBRALTAR. <MDD>. mbLg 1.9 (MDD).
05	09	47	29.8*	29.545	N	140.898	E	84	D	4.7		1.1	30	SOUTH OF HONSHU, JAPAN
05	10	17	44.9*	32.265	N	140.615	E	33	N	3.9		1.0	8	SOUTH OF HONSHU, JAPAN
05	10	27	20.2	43.698	N	125.963	W	10	G			0.4	70	OFF COAST OF OREGON
05	11	02	34.1*	51.355	N	177.033	W	33	N	3.6		1.2	11	ANDREANOF ISLANDS, ALEUTIAN IS.
05	11	12	47.4	40.539	N	27.588	E	10	G			0.8	19	TURKEY. MD 3.3 (ISK).
05	11	43	44.4*	7.330	S	128.532	E	100	G	4.4		0.9	21	BANDA SEA
05	12	28	20.5*	5.798	S	152.304	E	33	N	4.5		0.8	12	NEW BRITAIN REGION, P.N.G.
05	12	42	03.6&	8.346	N	82.907	W	5					6	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.0 (UPA).
05	13	40	24.6?	5.52	S	147.40	E	221	*			0.8	8	EASTERN NEW GUINEA REG., P.N.G.
05	14	32	11.9&	34.430	S	70.588	W	113					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
05	14	32	15.4&	36.826	N	35.519	E	10					6	TURKEY. <ISK>. MD 3.9 (ISK).
05	16	25	13.4	36.927	N	117.507	W	5	G			0.7	40	CALIFORNIA-NEVADA BORDER REGION. ML 4.1 (BRK), 3.9 (GS).
05	18	15	58.9	9.875	S	125.606	E	33	N	4.9		1.4	27	TIMOR REGION, INDONESIA
05	18	22	02.1*	9.919	S	125.480	E	33	N	4.7		0.9	11	TIMOR REGION, INDONESIA
05	18	29	37.8&	33.799	S	70.381	W	112					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
05	18	45	46.8	19.640	N	108.789	W	33	N	4.3	3.8	0.8	52	REVILLA GIGEDO ISLANDS REGION
05	18	53	35.3*	37.338	N	69.893	E	33	N	3.8		1.1	8	AFGHANISTAN-TAJIKISTAN BORD REG.
05	18	55	12.3&	18.160	N	67.330	W	22					4	MONA PASSAGE. <MPR>. MD 2.4 (MPR).
05	19	55	04.9	16.957	N	99.987	W	10	G	4.9	4.5	1.3	106	NEAR COAST OF GUERRERO, MEXICO. Mw 5.3 (HRV). MD 4.8 (UNM). Felt at Acapulco. Centroid, Moment Tensor (HRV): Centroid origin time 19:55:10.3; Lat 16.92 N; Lon 99.73 W; Dep 37.6; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.11, Plg=58, Azm=54; (N) Val=-0.08, Plg=14, Azm=301; (P) Val=-1.04, Plg=28, Azm=204; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=261, Dip=21, Slip=48; NP2: Strike=125, Dip=75, Slip=104.
05	20	17	00.0&	16.782	N	100.188	W	5					19	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.3 (UNM).
05	21	32	11.0	0.057	S	124.904	E	33	N	5.1		1.2	22	SOUTHERN MOLUCCA SEA
05	21	45	14.6&	34.826	S	70.247	W	1					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
05	21	54	21.2*	16.044	N	92.745	W	33	N	3.7		1.5	19	CHIAPAS, MEXICO
05	22	02	46.9&	48.100	N	7.700	E	2					4	FRANCE. <LDG>. ML 2.0 (LDG).
05	22	05	59.0	46.975	N	145.818	E	370		4.3		1.0	58	SEA OF OKHOTSK
05	23	05	27.6	15.025	S	166.413	E	33	N	5.1	4.9	1.0	183	VANUATU ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:05:32.2; Lat 15.16 S; Lon 166.20 E; Dep 30.9; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.06, Plg=62, Azm=61; (N) Val=0.12, Plg=11, Azm=173; (P) Val=-1.18, Plg=25, Azm=268; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=22, Dip=22, Slip=120; NP2: Strike=169, Dip=71, Slip=78.
05	23	39	00.1*	5.051	N	127.064	E	100	G	4.0		1.4	15	PHILIPPINE ISLANDS REGION
06	00	15	58.1&	16.823	N	100.169	W	5					4	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.8 (UNM).
06	00	29	58.0*	13.991	S	166.940	E	33	N	4.5		1.0	21	VANUATU ISLANDS
06	02	10	29.7&	19.060	N	66.960	W	11					8	PUERTO RICO REGION. <MPR>. MD 2.8 (MPR).
06	02	21	28.3&	16.977	N	100.065	W	18					7	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
06	02	59	38.7&	37.595	N	121.686	W	14					13	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM).
06	03	07	23.7&	31.815	S	69.848	W	150					8	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.3 (GUC).
06	03	11	40.4	81.416	N	3.745	W	10	G	4.4		1.0	25	NORTH OF SVALBARD
06	03	36	44.7&	32.613	S	71.710	W	33					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
06	03	39	55.1&	16.865	N	100.137	W	3					5	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.7 (UNM).
06	04	18	41.2?	16.92	N	144.45	E	33	N	4.6		0.6	5	MARIANA ISLANDS REGION
06	04	20	40.7*	18.489	S	168.249	E	10	G	4.4		1.2	22	VANUATU ISLANDS
06	04	21	02.2?	11.13	S	119.41	E	33	N	4.3		0.9	9	SOUTH OF SUMBA, INDONESIA
06	04	31	16.1&	33.991	S	72.208	W	35					9	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
06	04	49	01.5&	44.150	N	7.211	E	10					25	NORTHERN ITALY. <GEN>. ML 2.4 (GEN), 2.4 (LDG), 1.8 (STR).
06	04	59	19.7*	13.757	S	76.085	W	84	*	4.1		1.3	12	NEAR COAST OF PERU
06	05	21	15.5*	19.623	N	108.618	W	10	G	3.6		0.9	16	REVILLA GIGEDO ISLANDS REGION
06	05	25	55.0	36.520	N	4.419	W	104				0.5	45	STRAIT OF GIBRALTAR
06	06	54	03.7*	25.016	N	93.633	W	10	G	3.4		0.8	14	GULF OF MEXICO
06	07	05	18.4&	31.844	S	70.711	W	126					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.8 (GUC).
06	07	30	53.5*	19.621	S	70.372	W	107	?	4.2		0.6	7	NEAR COAST OF NORTHERN CHILE
06	07	46	32.2?	24.44	N	122.35	E	33	N			0.9	5	TAIWAN REGION
06	07	49	57.0*	1.068	N	25.463	W	10	G	4.2		1.2	12	CENTRAL MID-ATLANTIC RIDGE
06	07	59	01.0&	9.453	N	78.391	W	46					6	PANAMA. <UPA>. MD 3.9 (UPA).
06	08	06	20.7&	39.557	N	29.624	E	5					4	TURKEY. <ISK>. MD 2.7 (ISK).
06	08	13	38.5	47.159	N	9.436	E	10	G			1.1	10	GERMANY. ML 2.4 (VIE).
06	08	17	12.1&	17.930	N	66.900	W	10					4	PUERTO RICO REGION. <MPR>. MD 1.8 (MPR).
06	08	40	05.3*	35.148	N	140.505	E	33	N			1.4	5	NEAR EAST COAST OF HONSHU, JAPAN
06	08	59	50.3*	1.887	S	81.087	W	33	N	4.2		1.2	20	OFF COAST OF ECUADOR
06	09	20	44.0*	31.705	S	67.692	W	43	*	3.9		1.2	21	SAN JUAN PROVINCE, ARGENTINA
06	09	22	19.1&	57.806	N	151.259	W	1					21	KODIAK ISLAND REGION. <AEIC>. ML 3.1 (AEIC).
06	09	26	15.6?	23.90	S	179.98	W	500	G	4.1		1.1	20	SOUTH OF FIJI ISLANDS
06	09	26	40.0&	16.981	N	100.111	W	34					19	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
06	09	31	28.6	1.585	S	80.892	W	33	N	4.4	4.0	1.3	37	NEAR COAST OF ECUADOR
06	09	32	41.9&	39.670	N	29.458	E	8					4	TURKEY. <ISK>. MD 2.7 (ISK).
06	09	54	03.0&	33.680	S	70.185	W	6					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
06	10	04	05.8&	39.652	N	29.411	E	10	G				5	TURKEY. <ISK>. MD 2.7 (ISK).

06	10	17	25.9&	33.652	S	71.892	W	40				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
06	10	23	24.5*	20.054	N	108.943	W	10	G	4.2	1.0	47	REVILLA GIGEDO ISLANDS REGION
06	10	24	08.8*	32.987	N	75.629	E	83	?	4.2	0.9	11	KASHMIR-INDIA BORDER REGION
06	10	58	49.0?	62.84	S	150.96	E	33	N	3.8	1.3	8	BALLENY ISLANDS REGION
06	11	33	52.6	24.412	N	123.117	E	50	*	4.2	0.7	16	SOUTHWESTERN RYUKYU ISLANDS. Felt (I JMA) on Iriomote-shima and Yonaguni.
06	12	11	23.7&	18.290	N	67.290	W	32				8	MONA PASSAGE. <MPR>. MD 2.5 (MPR).
06	13	25	29.3&	44.950	N	3.700	E	2	G			4	FRANCE. <STR>. ML 2.7 (STR).
06	13	33	39.3&	14.337	N	60.451	W	71				5	WINDWARD ISLANDS. <TRN>. MD 3.4 (TRN).
06	14	19	29.4&	40.619	N	28.014	E	6				4	TURKEY. <ISK>. MD 2.7 (ISK).
06	14	31	42.0&	16.852	N	100.186	W	5				20	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
06	14	41	35.9*	21.479	N	143.544	E	255	?	3.8	0.6	11	MARIANA ISLANDS REGION
06	16	07	44.6*	36.332	N	70.225	E	242	*	3.8	0.9	15	HINDU KUSH REGION, AFGHANISTAN
06	16	45	36.5&	42.054	S	174.933	E	32	*		0.2	9	OFF E. COAST OF S. ISLAND, N.Z. ML 4.0 (WEL).
06	17	15	09.0&	54.819	N	161.758	W	59				12	ALASKA PENINSULA. <AEIC>. ML 3.3 (AEIC).
06	17	22	04.2?	36.73	N	22.03	E	33	N	3.9	1.2	14	SOUTHERN GREECE
06	18	10	11.2&	40.690	N	27.427	E	10	G			4	TURKEY. <ISK>. MD 2.7 (ISK).
06	18	21	21.1	23.461	S	179.788	E	662	?	4.2	0.4	27	SOUTH OF FIJI ISLANDS
06	18	25	45.7	49.143	N	28.944	W	10	G	4.3	0.8	34	NORTHERN MID-ATLANTIC RIDGE
06	18	26	00.4&	41.870	N	22.090	E	18		4.5		37	NORTHWESTERN BALKAN REGION. <SKO>.
06	19	08	38.9	31.497	N	131.252	E	79	*	4.4	0.9	25	KYUSHU, JAPAN. Felt (II JMA) in parts of Kagoshima and Miyazaki Prefectures.
06	20	03	44.9&	34.059	S	70.366	W	9				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
06	20	21	51.7&	34.782	S	70.971	W	89				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
06	20	23	58.6	17.978	N	145.028	E	28	D	4.4	1.0	38	MARIANA ISLANDS
06	20	24	12.3&	34.046	S	70.349	W	6				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
06	20	32	23.0	19.281	S	69.278	W	118	D	4.3	0.8	24	NORTHERN CHILE
06	21	47	49.4&	31.648	S	70.299	W	142				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
06	22	07	52.4&	17.273	N	100.753	W	5				5	GUERRERO, MEXICO. <UNM>. MD 3.5 (UNM).
06	22	22	01.9*	12.278	N	144.508	E	33	N	4.5	1.2	19	SOUTH OF MARIANA ISLANDS
06	23	11	27.2&	16.352	N	99.672	W	10				5	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).
06	23	42	32.8&	36.600	N	3.660	W	13				17	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.6 (MDD). Felt (IV) at Almunecar and Motril; (III) at Itrabo, Spain.
07	00	00	06.5&	37.715	N	70.084	E	33	N		1.3	12	AFGHANISTAN-TAJIKISTAN BORD REG.
07	00	03	29.7&	31.649	S	68.815	W	232				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.5 (GUC).
07	00	03	52.5	5.971	S	147.749	E	54		4.7	1.1	46	EASTERN NEW GUINEA REG., P.N.G.
07	01	11	16.0	7.297	S	128.619	E	33	N	4.4	1.2	22	BANDA SEA
07	01	49	21.0&	63.079	N	150.948	W	133				46	CENTRAL ALASKA. <AEIC>.
07	01	54	40.2&	33.184	N	115.597	W	1				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). MD 3.5 (ECX). Felt at Calexico and El Centro. Also felt at Mexicali, Baja California.
07	01	59	50.8	39.316	N	17.556	E	10	G	4.1	1.2	53	SOUTHERN ITALY. MD 3.7 (ROM).
07	02	18	51.4	1.114	N	85.353	W	10	G	4.4 4.6	1.2	41	OFF COAST OF ECUADOR
07	02	34	22.9&	7.061	N	78.243	W	10				6	PANAMA. <UPA>. MD 4.1 (UPA).
07	02	37	09.4&	16.685	N	99.764	W	20				5	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).
07	03	10	37.3&	16.021	N	98.255	W	10	G		0.9	6	NEAR COAST OF GUERRERO, MEXICO. MD 3.8 (UNM).
07	03	30	14.8	18.700	S	178.083	W	500	G	4.1	0.8	44	FIJI ISLANDS REGION
07	03	40	34.3&	32.216	S	71.652	W	22				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
07	03	48	02.5*	25.473	N	100.207	E	33	N	4.2	1.5	7	YUNNAN, CHINA. ML 4.4 (BJI).
07	03	58	24.5&	31.638	S	71.730	W	23				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
07	04	40	49.3&	32.396	S	71.324	W	43				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
07	04	54	31.9*	21.386	S	170.194	E	23	D	4.8	1.4	38	LOYALTY ISLANDS REGION
07	05	26	22.5	26.668	S	178.218	E	629	*	5.0	0.9	59	SOUTH OF FIJI ISLANDS
07	05	27	46.3&	31.615	S	68.830	W	258				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.9 (GUC).
07	05	28	02.3	36.920	N	117.560	W	5	G		0.6	18	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (GS).
07	05	29	29.1*	26.645	S	178.148	E	650	G		0.8	13	SOUTH OF FIJI ISLANDS
07	05	37	00.7&	31.417	S	69.466	W	176				13	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.5 (GUC).
07	05	42	33.1&	34.334	S	70.609	W	110				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.4 (GUC).
07	05	49	50.4*	19.754	S	68.611	W	150	G		0.9	8	CHILE-BOLIVIA BORDER REGION
07	06	34	21.9&	31.679	S	71.655	W	40				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
07	07	28	56.7&	58.010	N	156.690	W	5				6	ALASKA PENINSULA. <AEIC>. ML 2.5 (AEIC).
07	07	33	27.4&	36.454	S	71.652	W	170				11	CENTRAL CHILE. <GUC>.
07	08	10	37.2&	32.741	S	71.798	W	30				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
07	08	21	56.3	37.384	N	20.859	E	33	N	4.2	1.1	23	IONIAN SEA
07	08	44	48.9&	35.770	N	4.550	W	103				14	STRAIT OF GIBRALTAR. <MDD>.
07	08	55	32.8&	39.714	N	29.397	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
07	09	11	49.6*	36.093	N	142.294	E	33	N		0.8	6	OFF EAST COAST OF HONSHU, JAPAN
07	09	16	26.4&	44.400	N	7.500	E	2				5	NORTHERN ITALY. <LDG>. ML 2.5 (LDG).
07	09	18	51.3&	17.128	N	100.705	W	5				10	GUERRERO, MEXICO. <UNM>. MD 3.8 (UNM).
07	09	26	15.6	16.299	S	173.093	W	33	N	4.5	0.9	46	TONGA ISLANDS
07	09	31	50.1&	62.851	N	149.947	W	80				54	CENTRAL ALASKA. <AEIC>.
07	09	42	32.3&	18.870	N	66.440	W	70				10	PUERTO RICO REGION. <MPR>. MD 4.0 (MPR).
07	09	52	35.9&	29.861	S	71.717	W	70				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
07	10	50	30.9*	3.053	S	139.732	E	79	*	4.2	0.9	13	IRIAN JAYA, INDONESIA
07	11	06	09.6&	33.043	S	70.586	W	95				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
07	11	28	13.5*	41.852	N	46.019	E	33	N	4.6	1.1	22	EASTERN CAUCASUS
07	11	31	06.8&	39.108	N	28.000	E	10				5	TURKEY. <ISK>. MD 2.8 (ISK).
07	11	41	42.4*	17.363	N	146.271	E	100	G	4.4	1.3	20	MARIANA ISLANDS
07	12	52	42.4&	40.816	N	28.094	E	11				7	TURKEY. <ISK>. MD 2.9 (ISK).
07	13	21	04.8*	45.521	N	142.127	E	314		4.1	0.8	16	HOKKAIDO, JAPAN REGION
07	13	34	22.6	17.117	N	120.126	E	33	N	4.9	0.8	57	LUZON, PHILIPPINE ISLANDS
07	13	38	01.0&	16.865	N	100.980	W	5				10	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
07	14	00	16.1*	13.438	N	120.936	E	250	G	4.6	0.8	15	MINDORO, PHILIPPINE ISLANDS
07	14	17	51.1	33.842	S	179.193	W	55	*	5.1 5.1	1.1	81	SOUTH OF KERMADEC ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:17:48.8; Lat 33.60 S; Lon 178.39 W; Dep 53.4; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.58, Plg=2, Azm=284; (N) Val=0.18, Plg=84, Azm=174; (P) Val=-1.76, Plg=5, Azm=14; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=58, Dip=85, Slip=-2; NP2: Strike=149, Dip=88, Slip=-175.
07	14	20	04.4&	60.276	N	151.015	W	38				59	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
07	14	32	00.8	32.582	N	140.001	E	113		5.2	0.8	175	SOUTH OF HONSHU, JAPAN. Mw 5.5 (HRV). Felt (II JMA) on

													Hachijo-jima and (I JMA) in southern Chiba Prefecture. Centroid, Moment Tensor (HRV): Centroid origin time 14:32:02.9; Lat 32.16 N; Lon 140.05 E; Dep 100.9; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=2.07, Plg=18, Azm=289; (N) Val=0.26, Plg=71, Azm=127; (P) Val=-2.33, Plg=6, Azm=21; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=66, Dip=73, Slip=9; NP2: Strike=334, Dip=81, Slip=163.
07	14	51	25.7&	50.050	N	7.570	E	2	G			5	GERMANY. <STR>. ML 2.1 (STR), 1.8 (UCC).
07	14	54	21.0&	31.036	S	71.506	W	25				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
07	15	04	37.5*	33.974	S	179.442	W	52	D	4.5	1.3	21	SOUTH OF KERMADEC ISLANDS
07	15	30	05.7&	39.560	N	29.558	E	9				4	TURKEY. <ISK>. MD 2.6 (ISK).
07	15	38	21.4*	31.866	S	112.277	W	10	G	4.7 4.4	0.8	33	EASTER ISLAND REGION
07	16	01	41.2?	11.94	S	167.80	E	33	N	3.9	1.2	17	SANTA CRUZ ISLANDS
07	17	58	03.4	42.458	S	172.869	E	33	N	4.0	0.9	12	SOUTH ISLAND, NEW ZEALAND
07	18	30	17.5	19.893	N	121.356	E	33	N	5.3 4.8	0.9	136	PHILIPPINE ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:30:18.4; Lat 20.15 N; Lon 121.25 E; Dep 31.1; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.09, Plg=67, Azm=130; (N) Val=0.09, Plg=5, Azm=232; (P) Val=-1.18, Plg=22, Azm=324; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=63, Dip=23, Slip=103; NP2: Strike=230, Dip=67, Slip=85.
07	18	36	56.9	46.161	N	13.754	E	10	G		0.6	9	AUSTRIA. ML 2.1 (VIE), 1.5 (LJU).
07	18	44	44.4*	34.719	N	97.589	W	5	G		0.8	5	OKLAHOMA. mbLg 3.2 (GS).
07	19	14	03.0&	33.195	N	115.564	W	3				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt at Calexico and El Centro. Also felt at Mexicali, Baja California.
07	19	16	46.5	19.784	N	121.383	E	33	N	4.2	0.8	16	PHILIPPINE ISLANDS REGION
07	19	54	48.8&	40.445	N	28.437	E	10	G			8	TURKEY. <ISK>. MD 2.9 (ISK).
07	20	01	35.9	23.714	N	108.395	W	10	G	5.0 5.0	1.1	120	GULF OF CALIFORNIA. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:01:41.3; Lat 23.81 N; Lon 108.60 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.94, Plg=13, Azm=264; (N) Val=0.02, Plg=77, Azm=88; (P) Val=-1.96, Plg=1, Azm=354; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=40, Dip=80, Slip=9; NP2: Strike=308, Dip=81, Slip=170.
07	20	12	06.3*	42.434	N	29.446	E	10	G		1.1	9	BLACK SEA
07	20	54	08.2&	32.596	S	71.080	W	9				10	NEAR COAST OF CENTRAL CHILE. <GUC>.
07	21	05	13.7&	33.123	S	70.257	W	8				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
07	21	13	50.2&	31.956	S	71.165	W	77				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
07	23	30	25.0*	48.904	N	128.946	W	10	G	3.5	0.9	9	VANCOUVER ISLAND REGION
08	00	01	34.2&	31.814	S	70.585	W	126				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
08	00	39	55.0&	40.635	N	29.096	E	7				7	TURKEY. <ISK>. MD 2.7 (ISK).
08	00	55	46.0&	36.747	N	30.710	E	10	G			4	TURKEY. <ISK>. MD 3.3 (ISK).
08	01	06	23.6	5.367	N	82.544	W	33	N	4.2	1.0	27	SOUTH OF PANAMA. MD 4.5 (UPA).
08	01	38	26.4&	32.692	S	71.599	W	33				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
08	01	45	58.5%	36.580	N	70.528	E	200	G		1.2	7	HINDU KUSH REGION, AFGHANISTAN
08	02	06	54.7&	59.937	N	153.712	W	162				16	SOUTHERN ALASKA. <AEIC>.
08	02	40	06.8&	34.042	S	70.149	W	9				9	CHILE-ARGENTINA BORDER REGION. <GUC>.
08	02	41	21.5&	31.572	S	69.101	W	215				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
08	02	42	28.5&	34.041	S	70.250	W	12				6	CHILE-ARGENTINA BORDER REGION. <GUC>.
08	03	02	12.8&	34.053	S	70.174	W	9				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
08	03	07	16.2&	34.061	S	70.173	W	11				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.8 (GUC).
08	03	15	26.4&	34.035	S	70.135	W	9				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
08	03	40	33.8&	7.698	N	77.323	W	10				6	PANAMA-COLOMBIA BORDER REGION. <UPA>. MD 4.1 (UPA).
08	03	44	59.3	27.325	N	91.027	E	33	N	5.2 4.4	0.9	166	BHUTAN. Felt at Shillong, India.
08	03	46	27.8&	34.972	S	70.976	W	94				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
08	04	33	51.4*	10.275	N	127.423	E	33	N	4.2	1.1	8	PHILIPPINE ISLANDS REGION
08	04	57	04.2?	46.14	N	14.08	E	10	G		0.4	4	NORTHWESTERN BALKAN REGION. ML 1.5 (LJU).
08	05	25	46.8&	33.621	S	70.325	W	105				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
08	06	17	51.7*	53.420	N	161.397	E	42	D	4.1	0.4	9	OFF EAST COAST OF KAMCHATKA
08	07	21	34.4&	19.580	N	68.530	W	25				6	NORTH ATLANTIC OCEAN. <MPR>. MD 3.4 (MPR).
08	07	40	58.1	36.837	S	73.094	W	32	D	4.7	0.8	30	NEAR COAST OF CENTRAL CHILE. MD 4.5 (GUC). Felt (V) at Concepcion, Coronel, Lota and Talcahuano; (IV) at Tome; (II) at Bulnes.
08	07	43	43.7?	3.62	N	123.10	E	450	G		0.6	10	CELEBES SEA
08	07	50	06.7&	54.480	N	162.170	W	11				10	ALASKA PENINSULA. <AEIC>. ML 2.6 (AEIC).
08	07	54	14.2&	41.720	N	8.810	W	14				7	PORTUGAL. <MDD>. mbLg 2.1 (MDD).
08	08	18	57.2	52.145	N	178.597	E	110		4.8	0.9	96	RAT ISLANDS, ALEUTIAN ISLANDS
08	08	59	43.2&	33.678	S	70.338	W	16				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
08	09	16	39.0&	33.686	S	70.333	W	17				6	CHILE-ARGENTINA BORDER REGION. <GUC>.
08	09	53	17.8&	49.110	N	6.740	E	1				7	GERMANY. <STR>. ML 2.0 (STR).
08	10	25	51.9&	39.512	N	29.562	E	6				4	TURKEY. <ISK>. MD 2.7 (ISK).
08	10	32	35.9*	21.140	S	175.660	W	33	N	4.4	0.9	23	TONGA ISLANDS
08	10	44	54.6%	30.629	S	121.432	E	10	G		1.2	9	WESTERN AUSTRALIA
08	10	47	18.8&	40.308	N	28.766	E	6				4	TURKEY. <ISK>. MD 2.6 (ISK).
08	11	03	33.7?	7.27	N	73.23	W	120	?	4.1	1.0	10	NORTHERN COLOMBIA
08	11	03	47.0&	39.589	N	29.538	E	7				4	TURKEY. <ISK>. MD 2.6 (ISK).
08	11	15	48.4&	38.914	N	26.055	E	10	G			5	AEGEAN SEA. <ISK>. MD 3.1 (ISK).
08	11	19	30.5&	39.609	N	29.420	E	10	G			4	TURKEY. <ISK>. MD 2.5 (ISK).
08	11	39	10.6&	39.654	N	28.998	E	10	G			4	TURKEY. <ISK>. MD 2.7 (ISK).
08	11	42	39.1&	39.602	N	29.515	E	10	G			4	TURKEY. <ISK>. MD 2.5 (ISK).
08	12	19	49.4	53.429	N	161.532	E	45	D	4.8 4.0	1.0	97	OFF EAST COAST OF KAMCHATKA
08	12	48	26.2&	60.927	N	152.635	W	126				21	SOUTHERN ALASKA. <AEIC>.
08	14	01	17.5*	3.029	S	142.519	E	33	N	4.2	1.3	17	NEAR N COAST OF NEW GUINEA, PNG.
08	14	18	54.8*	53.676	N	161.597	E	45	D	4.1	1.0	11	OFF EAST COAST OF KAMCHATKA
08	15	02	41.8	6.308	S	104.058	E	55	*	5.4 4.5	1.0	130	SUNDA STRAIT. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:02:46.6; Lat 6.45 S; Lon 103.79 E; Dep 45.5; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.70, Plg=68, Azm=48; (N) Val=0.31, Plg=10, Azm=292; (P) Val=-1.01, Plg=19, Azm=198; Best double couple:

													Mo=8.6*10**16 Nm; NP1: Strike=271, Dip=27, Slip=67; NP2: Strike=117, Dip=65, Slip=101.
08	15	27	48.6&	27.970	N	16.130	W	16				5	CANARY ISLANDS REGION. <MDD>. mbLg 3.7 (MDD). Felt (III) at Granadilla and Los Cristianos; (II) at San Cristobal de la Laguna and Santa Cruz, Tenerife.
08	17	37	29.7&	45.200	N	6.500	E	2				11	FRANCE. <LDG>. ML 1.9 (GEN), 1.7 (LDG).
08	18	24	01.5&	36.630	N	4.430	W	90				21	STRAIT OF GIBRALTAR. <MDD>.
08	18	45	15.1*	42.899	N	146.148	E	33	N	4.6	1.3	21	OFF COAST OF HOKKAIDO, JAPAN
08	19	05	18.9*	54.300	N	164.025	W	33	N	4.0	1.4	12	UNIMAK ISLAND REGION
08	19	05	39.2&	33.535	S	70.165	W	113				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 1.9 (GUC).
08	19	20	10.3&	44.347	N	7.309	E	10				4	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
08	21	03	24.2&	33.155	S	70.280	W	7				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
08	21	39	19.7&	40.776	N	28.101	E	6				9	TURKEY. <ISK>. MD 2.8 (ISK).
08	21	40	27.0&	40.856	N	28.055	E	6				10	TURKEY. <ISK>. MD 3.0 (ISK).
08	22	03	58.1	37.488	N	16.658	E	10	G	3.7	0.9	22	IONIAN SEA. ML 3.5 (ROM).
08	22	17	26.4&	18.780	N	64.520	W	88				4	VIRGIN ISLANDS. <MPR>. MD 3.1 (MPR).
08	22	56	47.9&	32.124	S	71.424	W	30				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
08	23	14	41.6	56.672	N	7.473	E	10	G		0.9	33	NORTH SEA. ML 3.3 (BGS).
08	23	30	23.1&	32.436	S	70.793	W	71				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
08	23	31	13.4	12.293	N	144.270	E	33	N	5.1 4.7	0.9	91	SOUTH OF MARIANA ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:31:15.4; Lat 12.20 N; Lon 144.86 E; Dep 20.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.48, Plg=0, Azm=145; (N) Val=-1.06, Plg=24, Azm=55; (P) Val=-4.42, Plg=66, Azm=235; Best double couple: Mo=4.9*10**16 Nm; NP1: Strike=257, Dip=50, Slip=-58; NP2: Strike=32, Dip=50, Slip=-122.
09	00	12	22.6&	19.550	N	67.960	W	75				8	MONA PASSAGE. <MPR>. MD 3.4 (MPR).
09	00	13	20.6&	37.010	N	5.350	W	0	G			14	SPAIN. <MDD>. mbLg 2.7 (MDD).
09	00	32	23.0?	49.88	N	179.28	E	33	N	3.6	0.8	8	SOUTH OF ALEUTIAN ISLANDS
09	00	40	19.8&	31.183	S	71.686	W	29				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.6 (GUC).
09	00	47	25.3*	26.614	S	13.954	W	10	G	4.8	1.4	16	SOUTHERN MID-ATLANTIC RIDGE
09	00	51	25.3&	40.806	N	28.021	E	5				5	TURKEY. <ISK>. MD 2.6 (ISK).
09	00	52	08.4?	32.04	N	68.58	E	33	N	3.8	1.0	9	AFGHANISTAN
09	01	03	21.7	46.207	N	13.821	E	10	G		0.7	12	AUSTRIA. ML 2.6 (VIE), 2.1 (LJU).
09	01	17	14.6	60.698	N	44.112	W	10	G	3.9	0.8	16	WESTERN GREENLAND
09	01	26	25.5&	33.841	S	70.988	W	70				10	CHILE-ARGENTINA BORDER REGION. <GUC>.
09	01	30	47.5?	6.23	S	11.31	W	10	G	4.3	0.7	7	ASCENSION ISLAND REGION
09	01	41	21.3	37.381	N	20.650	E	10	G	4.4	1.3	46	IONIAN SEA
09	01	52	13.1&	44.735	N	73.677	W	0				11	NEW YORK. <PAL-P>. mbLg 2.5 (OTT), 2.2 (GS). Felt in the Plattsburgh area.
09	02	48	52.4&	33.451	S	70.744	W	74				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
09	04	45	57.5&	37.583	N	118.787	W	8				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
09	05	02	12.8&	62.590	N	149.804	W	65				75	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.3 (PMR).
09	05	19	07.3	38.650	N	28.626	W	10	G	5.7 6.0	1.0	421	AZORES ISLANDS. Mw 6.2 (GS), 6.2 (HRV). Me 6.6 (GS). Ms 6.0 (BRK). Ten people killed, about 100 injured and 1,000 left homeless on Faial. Some damage on Pico and Terceira. Felt on Corvo and Sao Jorge. Broadband Source Parameters (GS): Dep 9; NP1: Strike=148, Dip=85, Slip=5; NP2: Strike=58, Dip=85, Slip=175; Radiated energy 1.6*10**14 Nm. Moment Tensor (GS): Dep 35; Principal axes (scale 10**18 Nm): (T) Val=1.95, Plg=3, Azm=17; (N) Val=0.06, Plg=83, Azm=132; (P) Val=-2.01, Plg=7, Azm=287; Best double couple: Mo=2.0*10**18 Nm; NP1: Strike=62, Dip=83, Slip=-177; NP2: Strike=332, Dip=87, Slip=-7. Centroid, Moment Tensor (HRV): Centroid origin time 05:19:15.0; Lat 38.75 N; Lon 28.53 W; Dep 15.0 Fix; Half-duration 2.9 sec; Principal axes (scale 10**18 Nm): (T) Val=2.14, Plg=6, Azm=197; (N) Val=-0.31, Plg=82, Azm=330; (P) Val=-1.83, Plg=6, Azm=106; Best double couple: Mo=2.0*10**18 Nm; NP1: Strike=241, Dip=82, Slip=-180; NP2: Strike=151, Dip=90, Slip=-8.
09	05	25	38.4*	5.498	N	127.501	E	33	N	4.4	1.2	9	PHILIPPINE ISLANDS REGION
09	05	31	33.9&	38.550	N	28.576	W	10	G		0.5	6	AZORES ISLANDS
09	05	47	17.4*	0.495	N	126.195	E	33	N	4.5	1.1	14	NORTHERN MOLUCCA SEA
09	06	12	34.2*	38.468	N	28.596	W	10	G	4.3	1.4	19	AZORES ISLANDS
09	06	33	23.8&	19.420	N	68.490	W	67				4	NORTH ATLANTIC OCEAN. <MPR>. MD 3.1 (MPR).
09	06	33	26.2	31.639	N	118.585	W	10	G	5.0	0.9	134	OFF W. COAST OF BAJA CALIFORNIA. ML 4.8 (PAS). MD 4.5 (ECX).
09	06	45	52.9&	31.750	S	70.235	W	135				9	CHILE-ARGENTINA BORDER REGION. <GUC>.
09	06	48	15.0?	37.23	N	142.71	E	33	N		1.5	8	OFF EAST COAST OF HONSHU, JAPAN
09	06	53	45.8*	6.997	S	147.117	E	108		4.2	1.2	14	EASTERN NEW GUINEA REG., P.N.G.
09	07	13	34.1*	6.679	S	10.959	W	10	G	4.7	1.1	13	ASCENSION ISLAND REGION
09	07	28	23.4*	20.742	S	68.697	W	135	?		1.4	6	CHILE-BOLIVIA BORDER REGION
09	07	55	21.0&	57.924	N	152.261	W	38				58	KODIAK ISLAND REGION. <AEIC>. ML 2.9 (AEIC).
09	08	02	16.3	67.308	N	161.241	W	10	G		0.5	8	NORTHERN ALASKA. ML 3.9 (PMR).
09	08	35	12.9&	40.032	N	29.122	E	10	G			5	TURKEY. <ISK>. MD 2.6 (ISK).
09	08	38	03.0	44.855	N	146.449	E	177	D	4.6	0.9	116	KURIL ISLANDS
09	08	46	22.3*	6.184	S	149.360	E	33	N	3.9	1.0	9	NEW BRITAIN REGION, P.N.G.
09	09	20	47.3	18.735	N	95.786	E	57	*	4.5	0.9	45	MYANMAR
09	09	21	18.4*	11.153	S	160.982	E	33	N	4.3	1.0	21	SOLOMON ISLANDS
09	09	31	20.4&	37.100	N	4.310	W	0	G			8	SPAIN. <MDD>. mbLg 2.0 (MDD).
09	09	42	32.3	5.529	S	147.417	E	170		4.7	1.0	49	EASTERN NEW GUINEA REG., P.N.G.
09	10	50	40.5&	17.900	N	68.530	W	146				4	MONA PASSAGE. <MPR>. MD 3.6 (MPR).
09	11	33	21.0&	37.020	N	5.350	W	0	G			10	SPAIN. <MDD>. mbLg 2.4 (MDD).
09	11	40	43.6&	36.980	N	5.330	W	10				23	STRAIT OF GIBRALTAR. <MDD>. mbLg 3.4 (MDD).
09	11	42	15.1&	37.030	N	5.420	W	0	G			7	SPAIN. <MDD>. mbLg 2.2 (MDD).
09	11	43	24.8&	37.010	N	5.390	W	12				8	SPAIN. <MDD>. mbLg 1.9 (MDD).
09	11	47	46.7&	36.990	N	5.350	W	5				8	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.1 (MDD).
09	11	52	13.0&	37.020	N	5.360	W	0	G			7	SPAIN. <MDD>. mbLg 2.0 (MDD).
09	11	54	48.5&	31.977	S	70.339	W	124				15	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.1 (GUC).
09	12	01	51.1&	36.990	N	5.360	W	8				14	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
09	12	11	11.3*	6.641	S	129.901	E	165	?	4.2	0.8	11	BANDA SEA

09	12	37	59.7&	37.020	N	5.360	W	0	G			9	SPAIN. <MDD>. mbLg 1.9 (MDD).
09	12	48	33.7*	51.351	N	176.563	W	33	N	3.4	1.4	8	ANDREANOF ISLANDS, ALEUTIAN IS.
09	13	08	59.6&	37.010	N	5.360	W	4				17	SPAIN. <MDD>. mbLg 2.9 (MDD).
09	13	33	09.5&	36.990	N	5.390	W	0	G			8	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.8 (MDD).
09	13	33	44.6*	6.995	S	132.126	E	33	N	4.3	1.4	11	TANIMBAR ISLANDS REG., INDONESIA
09	13	37	34.7&	40.072	N	25.393	E	10	G			4	AEGEAN SEA. <ISK>. MD 3.0 (ISK).
09	13	46	49.6&	59.639	N	140.128	W	21				17	SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC).
09	14	19	18.4	38.717	N	48.507	E	26	G	5.9	1.0	442	ARMENIA-AZERBAIJAN-IRAN BORD REG. Mw 6.0 (HRV), 5.9 (GS). Me 5.7 (GS). Extensive damage at Astara, Bilasuvar, Imisli, Lankaran, Masalli and Yardimli, Azerbaijan. Felt at Baku, Azerbaijan. Felt (V) at Goris, Armenia. Broadband Source Parameters (GS): Dep 26; NP1: Strike=165, Dip=89, Slip=-80; NP2: Strike=261, Dip=10, Slip=-174; Radiated energy 8.4*10**12 Nm. Moment Tensor (GS): Dep 22; Principal axes (scale 10**17 Nm): (T) Val=7.65, Plg=48, Azm=257; (N) Val=-0.10, Plg=5, Azm=162; (P) Val=-7.55, Plg=42, Azm=68; Best double couple: Mo=7.6*10**17 Nm; NP1: Strike=102, Dip=6, Slip=30; NP2: Strike=342, Dip=87, Slip=95. Centroid, Moment Tensor (HRV): Centroid origin time 14:19:23.9; Lat 38.79 N; Lon 49.24 E; Dep 20.0 Bdy; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=1.01, Plg=53, Azm=259; (N) Val=0.03, Plg=0, Azm=349; (P) Val=-1.04, Plg=37, Azm=79; Best double couple: Mo=1.0*10**18 Nm; NP1: Strike=170, Dip=8, Slip=91; NP2: Strike=349, Dip=82, Slip=90.
09	14	45	39.9	30.487	S	178.994	W	130	D	6.2 6.2	1.1	483	KERMADEC ISLANDS, NEW ZEALAND. Mw 6.9 (GS), 6.9 (HRV). Me 6.9 (GS). Broadband Source Parameters (GS): Dep 130; NP1: Strike=20, Dip=75, Slip=-120; NP2: Strike=266, Dip=33, Slip=-28; Radiated energy 5.4*10**14 Nm. Moment Tensor (GS): Dep 147; Principal axes (scale 10**19 Nm): (T) Val=2.38, Plg=27, Azm=96; (N) Val=-0.02, Plg=7, Azm=189; (P) Val=-2.36, Plg=62, Azm=293; Best double couple: Mo=2.4*10**19 Nm; NP1: Strike=168, Dip=19, Slip=-113; NP2: Strike=12, Dip=72, Slip=-82. Centroid, Moment Tensor (HRV): Centroid origin time 14:45:49.2; Lat 30.51 S; Lon 178.71 W; Dep 154.5; Half-duration 6.8 sec; Principal axes (scale 10**19 Nm): (T) Val=2.31, Plg=30, Azm=111; (N) Val=0.19, Plg=7, Azm=17; (P) Val=-2.50, Plg=59, Azm=275; Best double couple: Mo=2.4*10**19 Nm; NP1: Strike=221, Dip=17, Slip=-65; NP2: Strike=15, Dip=75, Slip=-97. Scalar Moment (PPT): Mo=4.9*10**19 Nm.
09	14	57	52.2&	62.269	N	151.177	W	0				16	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
09	15	26	28.6&	34.021	S	71.345	W	49				11	NEAR COAST OF CENTRAL CHILE. <GUC>.
09	15	26	49.0&	48.500	N	6.900	E	2				5	FRANCE. <LDG>. ML 2.2 (LDG).
09	15	34	46.0	6.072	S	147.982	E	97		4.6	0.9	31	EASTERN NEW GUINEA REG., P.N.G.
09	16	23	34.5	38.887	N	48.637	E	33	N	4.5	1.2	32	ARMENIA-AZERBAIJAN-IRAN BORD REG
09	16	23	41.7	1.368	S	15.933	W	10	G	5.3 5.4	1.1	154	NORTH OF ASCENSION ISLAND
09	17	18	53.6*	1.413	S	15.683	W	10	G	4.1	0.9	11	NORTH OF ASCENSION ISLAND
09	17	36	47.0	37.823	N	26.837	E	20		4.7	1.1	202	DODECANESE ISLANDS. ML 4.5 (THE). MD 4.5 (ISK). Felt in Aydin, Izmir and Manisa, Turkey.
09	18	25	51.0*	6.103	N	124.032	E	33	N		1.2	7	MINDANAO, PHILIPPINE ISLANDS
09	19	39	43.9	60.530	N	153.219	W	145	D	5.3	0.8	397	SOUTHERN ALASKA. Mw 6.2 (GS), 6.2 (HRV). Me 5.5 (GS). Felt throughout south-central Alaska including Anchorage, Cordova, Delta, Homer, Kodiak, Palmer, Talkeetna, Tyonek and as far as Fairbanks. Broadband Source Parameters (GS): Dep 138; NP1: Strike=320, Dip=70, Slip=165; NP2: Strike=55, Dip=76, Slip=21; Radiated energy 4.0*10**12 Nm. Two events about 4 seconds apart. Depth based on first event. Moment Tensor (GS): Dep 143; Principal axes (scale 10**18 Nm): (T) Val=1.86, Plg=38, Azm=269; (N) Val=-0.01, Plg=51, Azm=101; (P) Val=-1.85, Plg=6, Azm=4; Best double couple: Mo=1.9*10**18 Nm; NP1: Strike=53, Dip=59, Slip=25; NP2: Strike=310, Dip=69, Slip=147. Centroid, Moment Tensor (HRV): Centroid origin time 19:39:49.6; Lat 60.39 N; Lon 152.74 W; Dep 151.3; Half-duration 3.0 sec; Principal axes (scale 10**18 Nm): (T) Val=2.22, Plg=34, Azm=272; (N) Val=-0.22, Plg=56, Azm=98; (P) Val=-2.00, Plg=3, Azm=4; Best double couple: Mo=2.1*10**18 Nm; NP1: Strike=53, Dip=65, Slip=24; NP2: Strike=313, Dip=69, Slip=153.
09	19	50	18.3&	60.385	N	153.056	W	140				83	SOUTHERN ALASKA. <AEIC>.
09	20	57	27.2&	34.277	S	71.182	W	71				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.7 (GUC).
09	22	10	09.7	49.484	N	151.535	E	300	G	4.3	0.8	41	NORTHWEST OF KURIL ISLANDS
09	22	30	32.6*	31.410	S	179.755	W	250	G	4.6	1.3	43	KERMADEC ISLANDS REGION
09	22	58	16.0?	51.15	N	178.53	W	33	N		0.4	5	ANDREANOF ISLANDS, ALEUTIAN IS.
09	23	09	02.2*	6.212	S	127.867	E	400	G	4.0	1.1	16	BANDA SEA
09	23	36	35.8&	33.942	S	70.494	W	13				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
10	00	06	48.4	52.322	N	169.562	W	33	N	4.7	1.0	74	FOX ISLANDS, ALEUTIAN ISLANDS
10	00	09	48.4&	44.121	N	7.140	E	10				13	NORTHERN ITALY. <GEN>. ML 2.0 (LDG), 1.9 (GEN).
10	00	20	45.8?	16.02	S	72.36	W	116	*	4.4	1.4	15	NEAR COAST OF PERU
10	01	00	31.3&	39.260	N	0.210	E	4				20	SPAIN. <MDD>. ML 2.8 (LDG). mbLg 2.6 (MDD).
10	01	12	20.6?	37.35	N	72.08	E	178	?	4.0	1.2	13	TAJIKISTAN
10	01	36	28.0&	37.931	N	26.671	E	9				26	DODECANESE ISLANDS. <ISK>. MD 3.8 (ISK).
10	01	39	45.1&	8.712	N	77.508	W	41				5	PANAMA-COLOMBIA BORDER REGION. <UPA>. MD 4.0 (UPA).
10	01	45	11.0&	44.428	N	7.249	E	10				9	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
10	01	56	12.2&	60.656	N	152.156	W	78				20	SOUTHERN ALASKA. <AEIC>.
10	03	05	28.0&	50.550	N	130.330	W	10	G			27	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.7 (PGC).
10	03	46	09.8&	37.890	N	26.864	E	10	G			6	DODECANESE ISLANDS. <ISK>. MD 3.2 (ISK).
10	05	29	12.7	40.500	N	143.661	E	33	N	4.6 4.5	0.9	54	OFF EAST COAST OF HONSHU, JAPAN

10	05	52	09.0&	36.800	N	7.240	W	0	G			13	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
10	06	38	03.3*	4.417	N	127.827	E	95	?	4.5	0.7	23	TALAUD ISLANDS, INDONESIA
10	07	10	57.0&	32.669	S	71.697	W	29				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
10	07	13	27.5&	18.770	N	64.070	W	25				5	VIRGIN ISLANDS. <MPR>. MD 3.2 (MPR).
10	08	20	32.6	1.328	S	15.858	W	10	G	5.0 4.5	1.0	119	NORTH OF ASCENSION ISLAND. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:20:42.0; Lat 0.83 S; Lon 15.37 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.61, Plg=18, Azm=281; (N) Val=0.29, Plg=14, Azm=16; (P) Val=-3.91, Plg=67, Azm=141; Best double couple: Mo=3.8*10**16 Nm; NP1: Strike=351, Dip=30, Slip=-118; NP2: Strike=202, Dip=64, Slip=-75.
10	08	58	43.0&	16.049	N	97.023	W	16				9	OAXACA, MEXICO. <UNM>. MD 4.1 (UNM).
10	09	22	30.5&	39.637	N	29.475	E	10				4	TURKEY. <ISK>. MD 2.6 (ISK).
10	09	48	55.7&	55.310	N	158.897	W	51		4.2		60	ALASKA PENINSULA. <AEIC>. ML 4.2 (AEIC), 4.4 (PMR). Felt at Cold Bay.
10	10	29	16.2*	30.364	S	178.857	W	150	G	4.8	1.4	27	KERMADEC ISLANDS, NEW ZEALAND
10	10	48	24.3&	7.321	N	81.222	W	10				6	PANAMA. <UPA>. MD 4.2 (UPA).
10	11	06	20.1&	30.932	S	71.557	W	25				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC).
10	11	20	57.4*	4.576	S	151.829	E	173	*	4.3	1.0	14	NEW BRITAIN REGION, P.N.G.
10	12	34	39.7*	36.748	N	141.770	E	33	N	4.1	0.8	10	NEAR EAST COAST OF HONSHU, JAPAN
10	12	36	44.6*	73.781	N	9.527	E	10	G	3.9	1.4	8	GREENLAND SEA
10	12	53	50.6*	44.331	N	11.823	E	10	G		1.2	12	NORTHERN ITALY. ML 2.9 (LDG).
10	12	56	21.8?	23.40	S	173.30	W	33	N		1.3	7	TONGA ISLANDS REGION
10	13	46	36.6*	5.891	S	154.387	E	450	G	4.0	0.9	17	SOLOMON ISLANDS
10	13	58	55.7	32.178	S	71.079	W	71		4.4	1.0	48	NEAR COAST OF CENTRAL CHILE. MD 4.8 (GUC). Felt (III) at Santiago.
10	14	22	10.6	57.906	S	25.122	W	33	N	4.5	0.6	21	SOUTH SANDWICH ISLANDS REGION
10	14	25	09.2&	31.889	S	69.965	W	145				12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.6 (GUC).
10	14	55	31.0&	47.200	N	6.000	E	2				11	FRANCE. <LDG>. ML 2.3 (LDG).
10	15	12	14.7&	40.518	N	29.306	E	10	G			4	TURKEY. <ISK>. MD 2.5 (ISK).
10	15	29	17.7&	38.527	N	26.578	E	10	G			5	AEGEAN SEA. <ISK>. MD 3.1 (ISK).
10	17	04	14.1&	33.154	S	70.265	W	4				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
10	17	14	17.0&	38.745	N	26.713	E	5				4	AEGEAN SEA. <ISK>. MD 3.0 (ISK).
10	17	38	57.1&	31.000	S	71.600	W	50				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
10	18	14	15.5&	33.322	S	70.160	W	105				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
10	19	10	35.2&	37.600	N	3.150	W	12				5	SPAIN. <MDD>. mbLg 1.7 (MDD).
10	19	13	35.3&	44.302	N	7.189	E	5				4	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
10	20	00	12.0&	43.100	N	0.800	W	2				4	PYRENEES. <LDG>. ML 2.1 (LDG).
10	20	11	08.8*	43.811	N	146.965	E	42	*	4.4	1.1	44	KURIL ISLANDS
10	20	56	26.1	6.162	S	77.104	W	33	N	4.8 4.4	0.9	90	NORTHERN PERU
10	21	29	13.7&	33.224	N	116.088	W	12				32	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.1 (PAS). MD 3.8 (ECX). Felt in the epicentral area and as far as Palm Springs and San Diego.
10	22	06	54.4*	6.219	S	147.799	E	74		4.4	0.8	13	EASTERN NEW GUINEA REG., P.N.G.
10	22	53	38.5*	28.744	N	140.635	E	50	G	4.0	1.0	14	BONIN ISLANDS REGION
10	22	57	49.3&	35.486	S	71.410	W	103				11	CENTRAL CHILE. <GUC>. MD 4.1 (GUC). Felt (IV) at Vilches, (III) at Talca and (II) at Linares.
11	00	06	08.5*	38.387	N	71.237	E	33	N	4.3	1.3	20	AFGHANISTAN-TAJIKISTAN BORD REG.
11	00	08	10.0&	32.240	S	71.733	W	16				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
11	00	49	16.0	38.506	N	28.815	W	10	G	4.7 4.1	0.9	65	AZORES ISLANDS. Felt on Faial.
11	01	52	43.8*	9.713	S	124.575	E	33	N	4.5	1.3	7	TIMOR REGION, INDONESIA
11	02	43	07.5&	32.096	S	71.462	W	41				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
11	02	50	48.3	46.192	N	13.892	E	10	G		0.9	7	AUSTRIA. ML 2.1 (VIE), 1.5 (LJU).
11	03	29	54.5&	45.076	N	6.992	E	7				25	FRANCE. <GEN>. ML 2.4 (GEN), 2.2 (STR), 2.1 (LDG).
11	03	42	50.6&	63.560	N	150.741	W	10				7	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.8 (PMR).
11	03	53	07.5&	54.880	N	161.800	W	4				12	ALASKA PENINSULA. <AEIC>. ML 2.7 (AEIC).
11	04	01	22.9	46.234	N	13.809	E	10	G		1.2	12	AUSTRIA. ML 3.1 (GRF), 2.9 (VIE), 2.5 (LJU).
11	04	24	01.2&	31.396	S	71.900	W	25				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
11	05	21	13.4	17.390	N	101.349	W	33	N	4.6 4.7	1.1	92	NEAR COAST OF GUERRERO, MEXICO. Mw 5.5 (HRV). MD 4.9 (UNM). Felt at Chilpancingo and other parts of Guerrero. Also felt at Mexico City. Centroid, Moment Tensor (HRV): Centroid origin time 05:21:14.8; Lat 17.28 N; Lon 101.17 W; Dep 24.1; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.79, Plg=58, Azm=47; (N) Val=0.08, Plg=8, Azm=304; (P) Val=-1.88, Plg=31, Azm=210; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=275, Dip=16, Slip=60; NP2: Strike=126, Dip=76, Slip=98.
11	05	42	57.1&	63.541	N	150.790	W	12				7	CENTRAL ALASKA. <AEIC>. ML 2.3 (AEIC), 2.7 (PMR).
11	05	43	43.0&	44.349	N	7.200	E	1				5	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
11	06	00	14.4*	16.918	N	101.620	W	33	N		1.0	17	NEAR COAST OF GUERRERO, MEXICO. MD 4.3 (UNM).
11	06	16	51.1*	38.306	N	71.158	E	33	N	3.9	1.0	11	AFGHANISTAN-TAJIKISTAN BORD REG.
11	06	41	43.8&	31.538	S	72.006	W	33				7	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
11	07	59	06.6&	32.898	S	70.218	W	113				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
11	08	06	02.6	1.114	S	121.679	E	33	N	4.2	1.0	15	SULAWESI, INDONESIA
11	08	13	19.6*	27.469	N	127.705	E	33	N	3.9	0.8	6	RYUKYU ISLANDS
11	08	18	33.9?	0.27	N	16.88	W	10	G	4.2	1.4	8	NORTH OF ASCENSION ISLAND
11	08	26	55.9*	64.700	S	175.583	E	33	N	4.2	0.6	9	BALLENY ISLANDS REGION
11	08	40	49.1*	56.258	N	112.648	E	33	N	3.9	1.1	13	LAKE BAYKAL REGION, RUSSIA
11	08	42	43.9?	56.30	N	112.59	E	33	N	3.8	0.9	8	LAKE BAYKAL REGION, RUSSIA. Felt (III) in the epicentral area.
11	09	04	48.2?	43.37	N	125.57	W	10	G		0.7	16	OFF COAST OF OREGON
11	09	10	21.0&	46.600	N	1.200	W	2				35	FRANCE. <LDG>. ML 3.6 (LDG), 3.3 (STR).
11	10	02	29.6&	39.164	N	27.612	E	5				4	TURKEY. <ISK>. MD 2.7 (ISK).
11	10	57	37.4&	17.990	N	68.310	W	12				7	MONA PASSAGE. <MPR>. MD 3.3 (MPR).
11	11	04	44.4*	34.762	N	110.383	E	33	N	4.4	1.4	15	SOUTHEASTERN CHINA
11	11	12	27.7	16.974	N	101.224	W	33	N	3.9	0.9	30	NEAR COAST OF GUERRERO, MEXICO. MD 4.3 (UNM).
11	12	13	54.5&	40.675	N	27.934	E	10	G			5	TURKEY. <ISK>. MD 2.8 (ISK).
11	12	25	45.2*	37.478	N	70.009	E	33	N	4.0	1.3	14	AFGHANISTAN-TAJIKISTAN BORD REG.
11	12	59	58.8*	46.016	N	14.266	E	10	G		0.3	5	NORTHWESTERN BALKAN REGION. ML 1.9 (LJU).
11	13	53	49.9*	51.620	N	16.231	E	5	G		0.6	10	POLAND. ML 3.5 (VIE), 3.1 (WAR).
11	14	02	48.2*	7.052	S	129.587	E	160	?	4.7	1.4	26	BANDA SEA

11	14	21	35.6&	33.118	S	71.272	W	56				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.6 (GUC).
11	14	26	33.6*	57.935	S	3.615	E	10	G		0.9	11	BOUVET ISLAND REGION
11	14	58	31.4&	59.985	N	153.307	W	127				48	SOUTHERN ALASKA. <AEIC>.
11	15	35	12.9*	43.373	N	127.196	W	10	G		0.5	50	OFF COAST OF OREGON
11	15	39	30.1&	35.454	N	118.422	W	6				12	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
11	16	10	21.0&	43.790	N	110.590	W	5				20	WYOMING. <USBR>. MD 2.9 (USBR). ML 3.0 (GS).
11	16	58	35.6&	17.411	N	101.140	W	45				7	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
11	17	08	07.5*	36.426	S	177.510	E	300	G	4.0	1.0	18	OFF E. COAST OF N. ISLAND, N.Z.
11	17	11	08.2&	35.922	N	117.240	W	0				14	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
11	18	34	10.0&	30.967	S	71.553	W	57				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
11	19	39	25.6&	33.144	S	70.273	W	5				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
11	20	57	29.7&	45.542	N	27.086	E	33	N		0.4	6	ROMANIA
11	21	28	45.3&	31.931	S	69.922	W	142				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.9 (GUC).
11	22	58	06.0*	56.780	N	112.417	E	33	N		1.3	7	LAKE BAYKAL REGION, RUSSIA
11	23	02	26.9&	31.370	S	71.856	W	14				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
12	00	11	54.0	24.293	N	141.302	E	100	D	4.7	0.9	82	VOLCANO ISLANDS REGION
12	00	14	05.3	18.275	S	168.220	E	33	N	4.8 5.2	1.0	88	VANUATU ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:14:10.5; Lat 18.34 S; Lon 167.74 E; Dep 35.4; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.84, Plg=70, Azm=36; (N) Val=0.18, Plg=13, Azm=163; (P) Val=-2.02, Plg=16, Azm=256; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=4, Dip=31, Slip=115; NP2: Strike=156, Dip=62, Slip=76.
12	02	05	14.8	46.198	N	13.773	E	10	G		0.6	8	AUSTRIA. ML 2.3 (VIE), 1.6 (LJU).
12	02	09	47.3&	17.283	N	100.875	W	5				10	GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
12	02	30	57.4*	36.657	N	71.518	E	107	D	3.8	1.1	15	AFGHANISTAN-TAJIKISTAN BORD REG.
12	03	08	10.5*	18.343	S	168.190	E	33	N	4.6	1.2	28	VANUATU ISLANDS
12	04	13	42.0&	32.804	S	71.159	W	60				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.5 (GUC).
12	04	52	41.6	23.510	N	123.051	E	33	N	4.8 4.8	1.2	51	SOUTHWESTERN RYUKYU ISLANDS. Mw 5.2 (HRV). Felt (I JMA) on Iriomote-shima. Centroid, Moment Tensor (HRV): Centroid origin time 04:52:43.0; Lat 23.21 N; Lon 123.24 E; Dep 25.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.93, Plg=10, Azm=3; (N) Val=-0.89, Plg=70, Azm=241; (P) Val=-7.03, Plg=16, Azm=96; Best double couple: Mo=7.5*10**16 Nm; NP1: Strike=138, Dip=71, Slip=-4; NP2: Strike=230, Dip=86, Slip=-161.
12	05	07	46.3?	37.45	N	70.15	E	33	N	3.7	1.4	10	AFGHANISTAN-TAJIKISTAN BORD REG.
12	05	26	19.2&	31.591	S	69.326	W	208				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.2 (GUC).
12	05	44	59.8	34.194	N	72.661	E	33	N	4.6	0.9	45	PAKISTAN. Felt at Islamabad, Rawalpindi and in the Peshawar area.
12	05	45	06.1&	32.700	S	71.452	W	24				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
12	06	35	41.6*	7.420	S	129.493	E	148	?	4.5	1.1	9	BANDA SEA
12	06	39	51.5&	31.442	S	71.843	W	29				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
12	06	54	30.2	53.583	N	175.889	E	33	N	4.7	0.9	77	RAT ISLANDS, ALEUTIAN ISLANDS
12	06	55	00.5&	32.139	S	70.135	W	114				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
12	07	16	16.6	47.722	N	82.882	E	33	N	4.9 4.5	0.8	147	KAZAKHSTAN-XINJIANG BORDER REG. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07;16:21.2; Lat 47.79 N; Lon 82.78 E; Dep 35.4; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.55, Plg=10, Azm=94; (N) Val=0.28, Plg=66, Azm=209; (P) Val=-6.83, Plg=21, Azm=0; Best double couple: Mo=6.7*10**16 Nm; NP1: Strike=139, Dip=67, Slip=-172; NP2: Strike=46, Dip=83, Slip=-23.
12	08	02	10.6?	4.67	S	79.91	W	33	N	4.3	1.2	15	PERU-ECUADOR BORDER REGION
12	08	11	28.1	16.954	N	100.295	W	33	N	5.1 4.6	1.1	201	NEAR COAST OF GUERRERO, MEXICO. Mw 5.5 (HRV). MD 4.8 (UNM). Centroid, Moment Tensor (HRV): Centroid origin time 08:11:28.9; Lat 16.78 N; Lon 99.91 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=2.03, Plg=55, Azm=76; (N) Val=-0.18, Plg=18, Azm=320; (P) Val=-1.84, Plg=30, Azm=220; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=269, Dip=22, Slip=37; NP2: Strike=144, Dip=77, Slip=108.
12	08	22	30.0	7.136	S	124.770	E	565	*	4.5	0.9	28	BANDA SEA
12	08	36	37.4?	23.54	S	64.53	W	33	N	4.2	1.1	9	JUJUY PROVINCE, ARGENTINA
12	09	25	19.7	45.697	N	13.784	E	10	G		0.8	12	NORTHERN ITALY. ML 3.0 (VIE).
12	09	31	25.6&	39.140	N	27.542	E	11				5	TURKEY. <ISK>. MD 2.9 (ISK).
12	10	27	03.4&	16.912	N	100.305	W	5				18	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
12	11	15	59.0	52.648	N	174.333	W	173	D	5.0	0.9	288	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:15:56.8; Lat 52.07 N; Lon 174.13 W; Dep 154.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.11, Plg=45, Azm=58; (N) Val=0.50, Plg=44, Azm=251; (P) Val=-5.62, Plg=6, Azm=155; Best double couple: Mo=5.4*10**16 Nm; NP1: Strike=207, Dip=54, Slip=32; NP2: Strike=98, Dip=65, Slip=140.
12	13	15	08.0&	37.000	N	1.640	W	6				22	SPAIN. <MDD>. mbLg 3.2 (MDD).
12	13	21	25.5*	5.481	S	154.318	E	33	N	4.1	1.4	12	SOLOMON ISLANDS
12	13	22	33.1&	39.670	N	28.565	E	10	G			10	TURKEY. <ISK>. MD 3.1 (ISK).
12	13	40	32.4&	32.650	S	71.388	W	61				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.8 (GUC).
12	13	59	49.0&	62.094	N	152.266	W	137		3.0		63	CENTRAL ALASKA. <AEIC>.
12	14	55	02.4&	34.610	S	72.381	W	24				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
12	15	01	48.2*	8.637	N	40.538	W	10	G		1.5	12	CENTRAL MID-ATLANTIC RIDGE
12	15	37	57.0&	59.840	N	151.689	W	48				85	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.2 (AEIC), 3.4 (PMR).
12	15	48	20.6*	1.890	N	125.650	E	100	G	4.4	0.8	19	NORTHERN MOLUCCA SEA
12	16	28	49.6*	43.554	N	101.111	W	5	G		1.2	8	SOUTH DAKOTA. mbLg 3.1 (GS).
12	16	58	01.5&	32.274	S	69.921	W	123				8	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.3 (GUC).
12	17	10	45.9&	31.588	S	70.524	W	11				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
12	18	54	53.4&	38.181	N	27.231	E	8				6	TURKEY. <ISK>. MD 3.1 (ISK).
12	19	00	02.4&	36.222	S	71.389	W	182				11	CENTRAL CHILE. <GUC>. MD 2.7 (GUC).
12	20	52	16.1	30.104	N	67.808	E	33	N	4.8 4.7	0.9	78	PAKISTAN. Mw 5.0 (HRV). Felt in the Quetta area. Centroid, Moment Tensor (HRV): Centroid origin time

													20:52:23.0; Lat 29.93 N; Lon 68.24 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.75, Plg=55, Azm=38; (N) Val=-1.00, Plg=10, Azm=294; (P) Val=-3.75, Plg=33, Azm=198; Best double couple: Mo=4.2*10**16 Nm; NP1: Strike=255, Dip=15, Slip=50; NP2: Strike=116, Dip=79, Slip=100.
12	21	05	25.3&	33.144	S	70.262	W	6				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
12	21	45	38.4&	31.279	S	69.626	W	176				8	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.6 (GUC).
12	21	48	46.2?	30.93	S	69.25	W	100	G		1.2	12	CHILE-ARGENTINA BORDER REGION. MD 3.2 (GUC).
12	22	00	44.2*	51.664	N	16.152	E	5	G		0.7	7	POLAND. ML 3.4 (VIE), 2.8 (WAR).
12	22	15	54.5	30.029	N	67.799	E	33	N	4.9 4.8	1.0	123	PAKISTAN. Felt in the Quetta area.
12	22	21	36.0&	32.766	S	71.191	W	57				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.2 (GUC).
12	22	29	22.0*	50.206	N	19.092	E	5	G		1.3	6	POLAND. ML 2.8 (WAR).
12	22	31	27.4	14.466	N	90.793	W	33	N	4.3	1.1	32	GUATEMALA. MD 4.7 (UNM).
12	23	00	30.3&	34.692	S	72.381	W	30				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
12	23	07	51.2*	50.253	N	18.887	E	5	G		0.8	5	POLAND. ML 2.6 (WAR).
12	23	32	13.1?	31.43	N	138.32	E	300	G	4.2	1.4	7	SOUTH OF HONSHU, JAPAN
12	23	40	51.6*	30.283	N	67.863	E	33	N		0.9	9	PAKISTAN
12	23	58	15.6&	32.875	S	72.994	W	32				10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
13	00	49	49.3?	3.45	S	151.71	E	33	N	4.5	1.3	7	NEW IRELAND REGION, P.N.G.
13	02	17	19.9&	6.555	N	76.048	W	10				6	NORTHERN COLOMBIA. <RSNC>. ML 3.8 (RSNC).
13	02	48	35.6	37.249	N	20.751	E	35		4.3	1.3	135	IONIAN SEA
13	03	43	30.6&	46.900	N	4.700	E	2				5	FRANCE. <LDG>. ML 1.5 (LDG).
13	03	56	55.9	44.287	N	11.913	E	10	G		0.8	14	NORTHERN ITALY. ML 2.7 (LDG).
13	04	14	37.7&	44.437	N	7.114	E	6				15	NORTHERN ITALY. <GEN>. ML 2.2 (GEN), 1.6 (LDG).
13	04	45	45.3&	34.443	S	70.467	W	120				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
13	05	02	42.2&	39.698	N	28.559	E	14				6	TURKEY. <ISK>. MD 2.9 (ISK).
13	05	13	16.7&	31.674	S	69.998	W	156				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.5 (GUC).
13	05	20	44.7*	13.702	N	124.087	E	33	N	4.1	0.5	12	LUZON, PHILIPPINE ISLANDS
13	06	02	14.9&	34.632	S	72.423	W	19				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
13	06	30	49.7?	7.72	S	123.14	E	229	*	4.0	1.1	13	BANDA SEA
13	06	35	28.8&	33.494	S	70.061	W	10				14	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.2 (GUC).
13	07	05	04.9*	27.940	S	26.871	E	10	G	4.9	1.3	12	REPUBLIC OF SOUTH AFRICA
13	07	05	34.9&	11.969	N	61.357	W	92				4	WINDWARD ISLANDS. <TRN>. MD 2.9 (TRN).
13	07	50	44.1&	39.624	N	29.398	E	10	G			6	TURKEY. <ISK>. MD 2.7 (ISK).
13	07	53	53.0&	15.794	N	60.751	W	35				4	LEEWARD ISLANDS. <TRN>. MD 3.1 (TRN).
13	08	00	32.6&	44.950	N	3.050	E	2	G			5	FRANCE. <STR>. ML 2.4 (STR).
13	08	15	40.3&	39.655	N	29.339	E	9				4	TURKEY. <ISK>. MD 2.5 (ISK).
13	08	25	04.0*	18.567	S	71.358	W	33	N	4.2	1.2	8	OFF COAST OF NORTHERN CHILE
13	08	35	03.3&	39.622	N	29.270	E	5				5	TURKEY. <ISK>. MD 2.6 (ISK).
13	08	42	43.4&	39.683	N	29.419	E	5				4	TURKEY. <ISK>. MD 2.6 (ISK).
13	09	01	22.1	19.419	S	169.777	E	33	N	4.5 4.6	1.2	45	VANUATU ISLANDS
13	09	18	34.6&	60.070	N	152.635	W	95				78	SOUTHERN ALASKA. <AEIC>.
13	09	27	02.5&	44.297	N	7.327	E	15				5	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
13	09	27	59.6&	37.040	N	35.592	E	12				7	TURKEY. <ISK>. MD 3.8 (ISK). Felt in Adana.
13	09	40	07.9&	39.191	N	26.807	E	10	G			5	TURKEY. <ISK>. MD 2.8 (ISK).
13	09	54	41.6&	47.200	N	6.100	E	2				7	FRANCE. <LDG>. ML 2.3 (LDG).
13	10	29	02.7*	8.511	S	74.346	W	150	G		1.2	8	PERU-BRAZIL BORDER REGION
13	10	44	08.8&	37.035	N	35.707	E	9				6	TURKEY. <ISK>. MD 3.8 (ISK).
13	10	44	55.6?	17.52	S	178.90	W	600	G	3.8	0.6	12	FIJI ISLANDS REGION
13	10	45	26.0&	31.451	S	71.571	W	73				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.9 (GUC).
13	11	29	05.5?	17.72	S	172.15	W	33	N	3.9	1.1	6	TONGA ISLANDS REGION
13	11	53	10.0&	45.940	N	14.360	E	10				4	NORTHWESTERN BALKAN REGION. <LJU>. MD 1.7 (LJU).
13	12	18	29.5*	12.876	S	73.393	W	33	N		0.8	7	CENTRAL PERU
13	13	24	28.3?	24.70	S	179.69	E	600	G	3.6	0.8	9	SOUTH OF FIJI ISLANDS
13	13	33	42.9?	25.39	S	178.85	E	600	G	4.1	0.5	12	SOUTH OF FIJI ISLANDS
13	13	39	46.2	46.645	N	10.066	E	5	G		1.1	15	NORTHERN ITALY. ML 2.9 (VIE), 2.5 (LDG).
13	13	50	44.6*	6.045	S	147.225	E	115	*	3.8	1.0	11	EASTERN NEW GUINEA REG., P.N.G.
13	14	28	06.9*	9.396	S	149.195	E	33	N	3.9	1.0	13	EASTERN NEW GUINEA REG., P.N.G.
13	14	43	06.1&	33.477	S	70.822	W	71				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 1.9 (GUC).
13	16	02	35.2&	32.732	S	71.719	W	15				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC). Felt (II) at Quintero, Valparaiso and Vina del Mar.
13	16	24	21.5*	7.397	S	127.655	E	122	?	4.2	1.0	17	BANDA SEA
13	16	31	47.2&	37.483	N	118.957	W	3				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK).
13	16	40	16.4*	43.272	N	133.768	E	458	*		1.1	9	NEAR SOUTHEAST COAST OF RUSSIA
13	16	48	51.4&	38.938	N	25.812	E	5				5	AEGEAN SEA. <ISK>. MD 3.0 (ISK).
13	16	54	31.0&	37.594	N	118.805	W	7				43	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.5 (BRK). MD 3.7 (GM). ML 3.7 (BRK). Moment Tensor (BRK): Dep 11; Principal axes (scale 10**14 Nm): (T) Val=2.01, Plg=36, Azm=262; (N) Val=0.00, Plg=50, Azm=50; (P) Val=-2.01, Plg=16, Azm=160; Best double couple: Mo=2.0*10**14 Nm; NP1: Strike=35, Dip=77, Slip=38; NP2: Strike=295, Dip=53, Slip=164.
13	17	28	43.4*	20.623	N	120.387	E	33	N	4.2	0.9	10	PHILIPPINE ISLANDS REGION
13	17	36	54.7	21.534	N	98.264	E	33	N	4.3	0.8	20	MYANMAR
13	18	06	01.0*	19.305	S	167.704	E	33	N	3.8	0.5	10	VANUATU ISLANDS REGION
13	18	16	09.6?	9.35	N	126.52	E	150	G	4.2	1.5	14	MINDANAO, PHILIPPINE ISLANDS
13	18	51	14.5	44.490	N	10.655	E	10	G		1.0	13	NORTHERN ITALY. ML 2.7 (VIE), 2.6 (LDG).
13	18	57	11.9*	20.778	S	70.421	W	33	N		1.4	9	NEAR COAST OF NORTHERN CHILE
13	20	29	59.4&	61.432	N	149.564	W	31				70	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
13	21	04	21.0&	34.081	S	70.052	W	11				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
13	21	10	39.4&	33.925	S	70.672	W	100				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
13	21	24	55.7*	53.379	N	158.628	E	115		4.2	0.9	18	NEAR EAST COAST OF KAMCHATKA
13	22	07	10.2	18.398	N	145.577	E	194	D	4.7	1.0	74	MARIANA ISLANDS
13	22	10	35.5&	34.904	S	71.278	W	82				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.5 (GUC).
13	23	06	14.2	10.133	N	126.077	E	69	*	4.8	1.0	66	PHILIPPINE ISLANDS REGION
13	23	12	35.2*	30.760	N	67.722	E	33	N	4.0	1.1	15	PAKISTAN
13	23	19	08.6*	51.932	N	173.974	W	33	N	3.9	0.4	5	ANDREANOF ISLANDS, ALEUTIAN IS.
13	23	24	50.3*	30.377	N	67.926	E	33	N		1.2	7	PAKISTAN
13	23	48	08.5&	34.479	S	70.405	W	5				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
14	00	30	08.2	44.513	N	7.268	E	10	G		0.4	26	NORTHERN ITALY. ML 2.2 (GEN), 1.8 (LDG), 1.6 (STR).
14	00	54	55.3?	22.76	S	169.35	E	33	N		1.4	13	LOYALTY ISLANDS REGION

14	00	58	03.3&	32.690	S	71.692	W	29				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
14	01	01	22.1	30.085	N	67.808	E	33	N	4.5	0.9	23	PAKISTAN. Felt in the Harnai-Quetta-Sibi area.
14	01	05	38.6	49.005	N	128.717	W	10	G	3.9	0.7	92	VANCOUVER ISLAND REGION. ML 4.3 (PGC).
14	01	14	30.6	49.916	N	7.381	E	10	G		1.2	20	GERMANY. ML 2.6 (LDG), 2.2 (UCC), 2.2 (STR).
14	01	49	50.8	48.977	N	128.703	W	10	G	3.6	0.8	47	VANCOUVER ISLAND REGION. ML 3.7 (PGC).
14	01	56	19.8&	34.134	S	70.154	W	9				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
14	02	10	27.3&	17.830	N	68.430	W	90				7	MONA PASSAGE. <MPR>. MD 3.0 (MPR).
14	02	23	11.8	44.365	N	10.747	E	10	G		1.0	64	NORTHERN ITALY. ML 3.4 (STR), 3.1 (VIE), 3.0 (LDG).
14	02	27	07.0	49.020	N	128.736	W	10	G	4.0	0.7	45	VANCOUVER ISLAND REGION. ML 4.2 (PGC).
14	03	34	12.6*	34.019	S	179.510	E	33	N	5.0	1.4	17	SOUTH OF KERMADEC ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:34:14.0; Lat 33.59 S; Lon 179.59 E; Dep 27.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.94, Plg=1, Azm=126; (N) Val=-2.67, Plg=23, Azm=217; (P) Val=-4.27, Plg=67, Azm=35; Best double couple: Mo=5.6*10**16 Nm; NP1: Strike=195, Dip=49, Slip=-121; NP2: Strike=57, Dip=50, Slip=-59.
14	03	56	58.5*	32.364	S	71.889	W	33	N		0.9	15	NEAR COAST OF CENTRAL CHILE. MD 4.6 (GUC).
14	05	32	05.0&	48.400	N	3.600	W	2				21	FRANCE. <STR>. ML 3.2 (STR), 3.0 (LDG).
14	05	38	48.7*	35.344	N	103.473	W	5	G		0.3	5	NEW MEXICO. mbLg 2.9 (GS). MD 3.0 (SNM). Felt in the epicentral area.
14	05	45	09.3&	35.197	N	34.113	E	5				4	CYPRUS REGION. <ISK>. MD 3.4 (ISK).
14	05	45	59.1?	30.04	N	67.84	E	33	N	4.3	1.1	9	PAKISTAN
14	07	02	08.9&	39.661	N	29.458	E	13				4	TURKEY. <ISK>. MD 2.6 (ISK).
14	07	04	34.3&	37.482	N	118.958	W	2				16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
14	07	15	30.8&	33.428	S	71.986	W	18				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
14	08	15	01.3&	39.586	N	29.355	E	5				4	TURKEY. <ISK>. MD 2.6 (ISK).
14	08	36	08.8&	45.500	N	6.900	E	2				5	FRANCE. <LDG>. ML 1.5 (LDG).
14	09	01	03.0&	39.244	N	27.772	E	10	G			4	TURKEY. <ISK>. MD 2.8 (ISK).
14	09	31	17.3*	23.162	S	170.719	E	33	N	4.6	0.8	13	LOYALTY ISLANDS REGION
14	10	03	38.0&	65.114	N	148.640	W	18				48	NORTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.4 (PMR). Felt in the Goldstream Valley.
14	10	08	07.9&	39.693	N	29.475	E	5				4	TURKEY. <ISK>. MD 2.7 (ISK).
14	10	16	12.7*	41.221	N	114.368	E	33	N		0.9	7	NORTHEASTERN CHINA
14	10	17	23.1*	48.783	N	10.108	E	10	G		0.5	6	GERMANY. ML 2.6 (VIE), 2.6 (STR).
14	10	59	57.9&	62.799	N	150.501	W	99				80	CENTRAL ALASKA. <AEIC>.
14	11	58	04.6*	9.780	N	125.613	E	103	*	4.2	1.3	23	MINDANAO, PHILIPPINE ISLANDS
14	12	07	32.5&	43.900	N	7.800	E	2				15	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 1.9 (LDG), 1.9 (GEN), 1.5 (STR).
14	12	24	10.3	18.049	S	178.058	W	450	G	4.4	0.8	52	FIJI ISLANDS REGION
14	12	28	18.3&	8.289	S	73.993	W	150	G		0.6	7	PERU-BRAZIL BORDER REGION
14	12	30	15.2*	45.949	N	15.259	E	10	G		0.7	7	NORTHWESTERN BALKAN REGION. ML 2.7 (VIE), 2.2 (LJU).
14	12	56	10.0&	17.940	N	68.640	W	94				9	MONA PASSAGE. <MPR>. MD 3.6 (MPR).
14	12	58	58.7&	44.320	N	7.070	E	2				11	NORTHERN ITALY. <STR>. ML 2.3 (LDG), 1.8 (STR).
14	13	03	49.7	30.231	N	67.762	E	31	D	4.6	1.1	27	PAKISTAN. Felt in the Harnai-Quetta-Sibi area.
14	13	04	05.9*	20.880	N	119.905	E	33	N	3.7	0.8	7	PHILIPPINE ISLANDS REGION
14	13	04	56.5*	30.331	N	67.486	E	25	D	3.9	1.0	11	PAKISTAN
14	13	56	50.8&	61.852	N	149.635	W	12				64	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
14	14	17	12.5	37.467	N	29.642	E	10	G		1.0	19	TURKEY. MD 3.5 (ISK).
14	14	23	23.2*	11.550	S	166.275	E	33	N	4.4	0.7	8	SANTA CRUZ ISLANDS
14	14	25	02.5	30.035	N	67.734	E	33	D	4.8	4.4 1.3	63	PAKISTAN. Felt in the Harnai-Quetta-Sibi area.
14	14	28	44.9*	5.509	N	126.755	E	80	D	4.4	1.0	23	MINDANAO, PHILIPPINE ISLANDS
14	14	44	33.0*	32.041	N	104.186	E	33	N		1.0	7	SICHUAN, CHINA
14	14	50	27.9&	19.342	N	155.130	W	8				16	HAWAII. <HVO-P>. MD 4.1 (HVO). Felt at Hilo and Mauna Loa Estates.
14	14	55	59.7&	33.162	S	70.278	W	8				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
14	15	59	55.5&	31.344	S	71.852	W	24				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC).
14	16	13	08.6*	44.200	N	128.935	W	10	G	4.1	0.7	47	OFF COAST OF OREGON
14	16	15	42.4*	30.090	N	67.929	E	33	N		0.9	10	PAKISTAN
14	16	45	59.6	13.769	N	124.842	E	27	D	5.2	1.1	37	LUZON, PHILIPPINE ISLANDS
14	17	05	35.1&	31.284	S	69.878	W	171				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.1 (GUC).
14	17	25	51.4&	33.350	S	68.541	W	9				14	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 4.4 (GUC).
14	18	07	11.9*	35.695	N	141.424	E	33	N		0.9	6	NEAR EAST COAST OF HONSHU, JAPAN
14	19	01	23.8&	37.453	N	29.549	E	10	G			4	TURKEY. <ISK>. MD 3.1 (ISK).
14	19	02	27.1&	31.897	S	71.010	W	68				15	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
14	19	02	55.0*	29.842	N	67.930	E	33	N	4.4	1.2	12	PAKISTAN
14	19	10	28.3	7.221	S	128.665	E	100	G	4.7	0.8	29	BANDA SEA
14	19	10	34.8*	30.117	N	67.679	E	33	N	4.0	1.1	10	PAKISTAN
14	19	29	09.5	46.213	N	13.743	E	10	G		0.8	12	AUSTRIA. ML 2.4 (VIE), 1.7 (LJU).
14	19	45	47.2*	4.233	N	95.188	E	100	G	4.6	1.2	20	NORTHERN SUMATERA, INDONESIA
14	19	50	36.3&	17.659	N	61.830	W	3				6	LEEWARD ISLANDS. <TRN>. MD 3.4 (TRN).
14	21	56	55.9&	40.641	N	29.130	E	10	G			8	TURKEY. <ISK>. MD 2.9 (ISK).
14	22	08	53.4*	51.475	N	16.329	E	5	G		0.9	7	POLAND. ML 3.1 (VIE), 2.7 (WAR).
14	22	09	48.0	36.051	N	139.576	E	77	*	4.5	0.9	46	EASTERN HONSHU, JAPAN
14	22	27	45.1*	4.252	S	102.191	E	33	N	5.0	0.9	22	SOUTHERN SUMATERA, INDONESIA. Mw 4.9 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:27:50.7; Lat 4.71 S; Lon 102.72 E; Dep 91.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=2.97, Plg=63, Azm=13; (N) Val=-0.51, Plg=2, Azm=279; (P) Val=-2.46, Plg=27, Azm=188; Best double couple: Mo=2.7*10**16 Nm; NP1: Strike=273, Dip=18, Slip=84; NP2: Strike=100, Dip=72, Slip=92.
14	22	56	30.4&	40.623	N	29.119	E	6				10	TURKEY. <ISK>. MD 3.2 (ISK).
14	23	00	21.3	41.915	N	23.168	E	10	G		1.0	21	GREECE-BULGARIA BORDER REGION. ML 3.7 (THE).
14	23	02	13.3&	40.642	N	29.163	E	5				4	TURKEY. <ISK>. MD 2.7 (ISK).
14	23	30	48.6&	40.654	N	29.108	E	5				7	TURKEY. <ISK>. MD 2.8 (ISK).
14	23	34	15.1&	16.976	N	100.120	W	5				13	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
15	00	30	20.9	48.005	N	128.986	W	10	G	4.1	0.9	27	VANCOUVER ISLAND REGION
15	00	34	00.5	40.629	N	29.149	E	10	G		0.3	7	TURKEY. MD 2.9 (ISK).
15	03	15	40.0*	51.458	N	16.242	E	5	G		0.9	8	POLAND. ML 3.1 (VIE), 2.4 (WAR).
15	03	29	58.8&	54.670	N	161.950	W	57				10	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
15	03	32	30.8&	36.864	N	35.648	E	8				7	TURKEY. <ISK>. MD 4.0 (ISK).
15	04	18	18.0	20.961	S	178.503	W	555	*	4.6	0.9	100	FIJI ISLANDS REGION

15	04	24	51.0&	36.690	N	89.520	W	13				10	NEW MADRID, MISSOURI REGION. <TEIC>. mbLg 3.1 (GS).
15	04	36	01.0*	29.576	N	81.466	E	33	N	4.7	1.2	22	NEPAL
15	04	53	19.2&	37.564	N	118.805	W	6		4.9 4.5		152	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 5.1 (HRV), 5.0 (BRK). ML 5.1 (GM), 5.1 (BRK). Small items knocked from shelves in the Lake Crowley area, California. Also felt in the Bishop and Mammoth Lakes areas, California. Centroid, Moment Tensor (HRV): Centroid origin time 04:53:23.8; Lat 37.63 N; Lon 119.39 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.75, Plg=14, Azm=80; (N) Val=0.51, Plg=9, Azm=348; (P) Val=-5.27, Plg=74, Azm=227; Best double couple: Mo=5.0*10**16 Nm; NP1: Strike=182, Dip=32, Slip=-74; NP2: Strike=343, Dip=59, Slip=-100. Moment Tensor (BRK): Dep 5; Principal axes (scale 10**16 Nm): (T) Val=3.09, Plg=14, Azm=69; (N) Val=0.00, Plg=3, Azm=339; (P) Val=-3.09, Plg=76, Azm=238; Best double couple: Mo=3.1*10**16 Nm; NP1: Strike=337, Dip=59, Slip=-93; NP2: Strike=163, Dip=31, Slip=-85.
15	04	57	06.5&	37.541	N	118.816	W	5				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.3 (GM), 3.6 (BRK).
15	05	07	53.5&	37.562	N	118.794	W	7				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.8 (GM), 3.0 (BRK).
15	05	11	13.5&	37.550	N	118.815	W	4				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.2 (GM), 3.3 (BRK).
15	05	43	43.4*	4.619	S	129.095	E	200	*	4.3	1.2	16	BANDA SEA
15	05	52	27.6&	37.546	N	118.819	W	4				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
15	05	54	53.5	37.575	N	118.787	W	5	G		0.9	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (GS), 3.0 (BRK).
15	06	00	19.7&	59.680	N	154.057	W	152				44	SOUTHERN ALASKA. <AEIC>.
15	06	20	49.1?	51.42	N	175.54	W	33	N	4.0	0.5	5	ANDREANOF ISLANDS, ALEUTIAN IS.
15	06	46	32.0&	37.535	N	118.813	W	5				30	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.8 (BRK). ML 4.1 (GM), 4.0 (BRK), 3.8 (GS). Moment Tensor (BRK): Dep 4; Principal axes (scale 10**14 Nm): (T) Val=5.40, Plg=1, Azm=35; (N) Val=0.00, Plg=23, Azm=126; (P) Val=-5.40, Plg=67, Azm=303; Best double couple: Mo=5.4*10**14 Nm; NP1: Strike=326, Dip=50, Slip=-60; NP2: Strike=104, Dip=48, Slip=-121.
15	06	50	56.8&	37.643	N	118.982	W	8				45	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.7 (GM), 3.7 (BRK), 3.7 (GS).
15	06	55	00.1&	34.460	S	70.404	W	10				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
15	07	05	09.0&	37.549	N	118.816	W	4				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.8 (GS).
15	07	08	04.0&	47.020	N	66.610	W	5	G			21	NEW BRUNSWICK, CANADA. <OTT-P>. mbLg 4.0 (OTT). Felt at Bath, Bristol, Fredericton, Miramichi and Woodstock.
15	07	24	08.4*	51.496	N	16.265	E	5	G		0.6	5	POLAND. ML 2.5 (WAR).
15	07	25	18.8*	37.336	N	21.593	E	33	N	3.9	1.1	15	SOUTHERN GREECE
15	07	47	11.9&	31.786	S	70.009	W	152				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
15	09	26	55.8&	32.616	S	71.360	W	45				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
15	09	43	19.7&	34.977	S	70.348	W	10				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
15	09	52	44.1&	44.300	N	7.610	E	2				8	NORTHERN ITALY. <STR>. ML 2.3 (STR).
15	09	55	51.0	6.219	S	131.160	E	33	N	4.8	1.2	24	TANIMBAR ISLANDS REG., INDONESIA
15	10	09	22.7*	14.244	N	145.209	E	200	G	4.5	1.2	11	MARIANA ISLANDS
15	10	15	00.5*	24.077	S	66.879	W	200	G		1.0	8	SALTA PROVINCE, ARGENTINA
15	10	41	26.5*	0.138	N	119.259	E	33	N	4.3	0.8	11	MINAHASSA PENINSULA, SULAWESI
15	11	14	01.1*	9.261	S	75.625	W	100	G	3.9	1.1	13	CENTRAL PERU
15	11	35	30.7&	38.836	N	26.140	E	10	G			4	AEGEAN SEA. <ISK>. MD 3.3 (ISK).
15	11	43	26.3&	33.198	S	71.050	W	62				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.3 (GUC).
15	11	49	56.8&	54.420	N	161.250	W	0				10	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
15	12	10	24.9&	37.536	N	118.814	W	6				20	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.2 (GM), 3.4 (BRK), 3.5 (GS).
15	12	40	13.5&	38.644	N	25.571	E	10				5	AEGEAN SEA. <ISK>. MD 3.4 (ISK).
15	13	23	23.1	38.194	N	23.583	E	33	N	4.1	0.9	42	GREECE. ML 3.7 (THE). Felt in the Athens area.
15	13	39	12.9&	32.803	S	70.107	W	112				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
15	13	44	27.9*	47.206	S	32.277	E	10	G	4.2	0.7	12	PRINCE EDWARD ISLANDS REGION
15	14	06	44.8&	44.760	N	3.190	E	2				6	FRANCE. <STR>. ML 2.6 (STR).
15	14	16	00.5*	8.176	S	158.117	E	42	D	4.3	1.3	16	SOLOMON ISLANDS
15	15	03	08.4	6.468	S	131.303	E	61	*	4.7	1.3	39	TANIMBAR ISLANDS REG., INDONESIA
15	15	18	07.6&	57.972	N	156.659	W	0				31	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
15	15	39	26.1?	55.77	S	29.33	W	33	N	4.6	1.0	10	SOUTH SANDWICH ISLANDS REGION
15	16	29	56.9&	63.506	N	151.232	W	12				52	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.4 (PMR).
15	16	37	53.2&	59.305	N	152.440	W	69		4.5		133	SOUTHERN ALASKA. <AEIC>. ML 4.2 (AEIC), 4.1 (PMR). Felt (III) at Homer.
15	17	17	31.9*	36.404	N	70.731	E	200	G	3.7	1.2	14	HINDU KUSH REGION, AFGHANISTAN
15	17	22	12.6	48.306	N	154.846	E	38	D	4.7	1.0	53	KURIL ISLANDS
15	17	38	03.8&	37.589	N	118.815	W	4				14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.8 (GM), 3.0 (BRK).
15	17	39	09.3&	33.642	S	71.592	W	44				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
15	18	54	39.5	31.569	S	68.663	W	109		4.0	1.0	22	SAN JUAN PROVINCE, ARGENTINA
15	19	06	18.3	6.298	S	130.478	E	130	*	4.4	0.9	19	BANDA SEA
15	19	37	15.9*	13.680	N	120.703	E	33	N	4.5	0.6	16	MINDORO, PHILIPPINE ISLANDS
15	20	10	58.5*	18.808	S	169.436	E	253		4.0	0.7	10	VANUATU ISLANDS
15	20	35	06.3&	37.550	N	118.812	W	5				19	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.3 (GM), 3.6 (BRK).
15	20	39	35.7	39.336	N	143.423	E	37	D	4.4	1.2	26	OFF EAST COAST OF HONSHU, JAPAN
15	21	09	41.0*	44.554	N	148.343	E	56	D		1.2	12	KURIL ISLANDS
15	21	21	27.9&	31.984	S	70.359	W	119				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
15	21	26	59.6*	42.844	N	12.881	E	10	G		1.3	19	CENTRAL ITALY. ML 3.3 (LDG), 3.3 (VIE).
15	22	02	31.6&	37.517	N	118.815	W	3				15	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.9 (GM), 3.2 (BRK).
15	22	47	21.6&	60.657	N	152.146	W	86				53	SOUTHERN ALASKA. <AEIC>.
15	23	16	23.0*	27.984	N	139.652	E	522	?	4.3	0.9	14	BONIN ISLANDS REGION
16	01	30	19.8*	43.329	N	12.572	E	10	G		0.9	15	CENTRAL ITALY. ML 3.0 (VIE), 2.8 (LDG).
16	01	35	03.5	44.432	N	147.988	E	60	D	4.8	1.0	95	KURIL ISLANDS
16	02	24	59.5&	37.565	N	118.795	W	7				5	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).

16	02	59	12.9&	37.564	N	118.794	W	7				39	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.4 (BRK).
16	03	37	08.8&	43.000	N	0.200	E	2				5	FRANCE. <LDG>. ML 1.8 (LDG).
16	03	40	24.6*	10.634	S	73.596	W	33	N		1.0	8	CENTRAL PERU
16	03	41	32.0&	36.007	N	117.805	W	1				13	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS).
16	04	40	54.2*	36.222	N	142.201	E	33	N		0.8	5	OFF EAST COAST OF HONSHU, JAPAN
16	04	41	21.2&	10.503	N	61.580	W	39				5	TRINIDAD. <TRN>. MD 3.1 (TRN).
16	05	28	40.6&	32.713	S	72.074	W	27				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
16	05	43	24.3*	18.316	S	176.871	W	306	*	4.3	0.9	20	FIJI ISLANDS REGION
16	05	47	38.7?	14.75	S	178.10	W	350	G		0.9	10	FIJI ISLANDS REGION
16	05	56	26.8	11.987	N	143.279	E	10	G	5.5 4.8	1.1	155	SOUTH OF MARIANA ISLANDS. Mw 5.4 (GS), 5.4 (HRV). Moment Tensor (GS): Dep 5; Principal axes (scale 10**17 Nm): (T) Val=1.64, Plg=49, Azm=308; (N) Val=-0.34, Plg=0, Azm=38; (P) Val=-1.30, Plg=41, Azm=129; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=224, Dip=4, Slip=96; NP2: Strike=38, Dip=86, Slip=90. Centroid, Moment Tensor (HRV): Centroid origin time 05:56:32.9; Lat 11.77 N; Lon 143.47 E; Dep 15.0 Bdy; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.17, Plg=52, Azm=262; (N) Val=0.04, Plg=31, Azm=43; (P) Val=-1.21, Plg=19, Azm=145; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=275, Dip=38, Slip=148; NP2: Strike=31, Dip=71, Slip=57.
16	06	13	00.9*	12.065	N	143.168	E	10	G	4.7	0.9	20	SOUTH OF MARIANA ISLANDS
16	06	18	21.0	12.046	N	143.236	E	10	G	5.6 5.2	1.0	164	SOUTH OF MARIANA ISLANDS. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:18:28.0; Lat 11.91 N; Lon 143.45 E; Dep 15.0 Bdy; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.84, Plg=59, Azm=293; (N) Val=0.02, Plg=14, Azm=47; (P) Val=-2.86, Plg=28, Azm=144; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=265, Dip=21, Slip=130; NP2: Strike=43, Dip=74, Slip=76.
16	06	48	34.7&	10.470	N	61.501	W	28				6	TRINIDAD. <TRN>. MD 3.3 (TRN).
16	07	05	30.4*	18.169	S	178.141	W	450	G	4.2	1.1	45	FIJI ISLANDS REGION
16	08	42	21.1&	34.819	S	71.102	W	108				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
16	09	08	49.5?	11.97	N	143.48	E	10	G	3.9	0.9	7	SOUTH OF MARIANA ISLANDS
16	09	32	33.8*	12.029	N	143.273	E	10	G	4.6	1.2	28	SOUTH OF MARIANA ISLANDS
16	10	15	02.3	34.646	N	25.471	E	33	N	4.1	1.2	73	CRETE
16	10	25	09.9&	35.914	S	71.716	W	42				7	CENTRAL CHILE. <GUC>.
16	10	39	32.8	52.858	N	174.682	W	213	D	4.4	1.0	47	ANDREANOF ISLANDS, ALEUTIAN IS.
16	10	44	16.1?	17.15	N	119.67	E	33	N	4.1	1.3	7	PHILIPPINE ISLANDS REGION
16	11	56	36.4	11.040	S	166.160	E	110	D	6.4 6.7	0.9	297	SANTA CRUZ ISLANDS. Mw 7.0 (GS), 7.0 (HRV). Me 7.0 (GS). Broadband Source Parameters (GS): Dep 93; NP1: Strike=194, Dip=49, Slip=105; NP2: Strike=352, Dip=43, Slip=73; Radiated energy 7.5*10**14 Nm. Moment Tensor (GS): Dep 102; Principal axes (scale 10**19 Nm): (T) Val=3.96, Plg=82, Azm=61; (N) Val=-0.12, Plg=6, Azm=204; (P) Val=-3.84, Plg=5, Azm=295; Best double couple: Mo=3.9*10**19 Nm; NP1: Strike=31, Dip=41, Slip=100; NP2: Strike=199, Dip=50, Slip=82. Centroid, Moment Tensor (HRV): Centroid origin time 11:56:42.3; Lat 10.91 S; Lon 166.09 E; Dep 100.3; Half-duration 8.1 sec; Principal axes (scale 10**19 Nm): (T) Val=4.43, Plg=78, Azm=67; (N) Val=-0.57, Plg=9, Azm=205; (P) Val=-3.85, Plg=8, Azm=296; Best double couple: Mo=4.1*10**19 Nm; NP1: Strike=37, Dip=38, Slip=105; NP2: Strike=198, Dip=54, Slip=78. Scalar Moment (PPT): Mo=4.0*10**19 Nm.
16	11	59	52.1*	51.604	N	16.243	E	5	G		0.6	10	POLAND. ML 3.4 (VIE), 3.1 (WAR), 2.9 (CLL).
16	12	17	56.5&	33.121	S	70.092	W	114				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
16	13	11	35.4	37.190	N	113.710	W	5	G		0.4	16	UTAH. ML 3.5 (GS), 3.7 (SLC). Felt in the Santa Clara-St. George-Washington area.
16	13	36	54.3	11.013	S	166.269	E	99	D	5.0	0.9	62	SANTA CRUZ ISLANDS
16	13	54	44.1	51.533	N	16.263	E	5	G		1.2	12	POLAND. ML 3.4 (VIE), 3.1 (WAR).
16	14	01	17.4&	18.240	N	68.070	W	104				6	MONA PASSAGE. <MPR>. MD 3.1 (MPR).
16	14	03	47.6&	17.773	N	99.754	W	8				17	GUERRERO, MEXICO. <UNM>. MD 4.1 (UNM).
16	14	16	24.3&	59.291	N	152.454	W	77				16	SOUTHERN ALASKA. <AEIC>.
16	14	19	16.9?	16.34	S	174.45	W	176	D	3.8	0.4	9	TONGA ISLANDS
16	14	32	23.2&	34.410	S	70.952	W	78				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
16	14	35	01.8?	36.63	N	92.74	E	33	N	4.0	1.5	12	QINGHAI, CHINA
16	14	49	21.8*	51.827	N	166.502	W	33	N	4.4	1.2	28	SOUTH OF ALEUTIAN ISLANDS
16	14	50	01.2?	46.24	N	15.88	E	10	G		0.4	5	NORTHWESTERN BALKAN REGION. ML 1.8 (LJU).
16	15	00	30.8&	35.537	S	72.038	W	40				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
16	15	31	10.7	44.592	N	10.135	E	10	G		1.0	48	NORTHERN ITALY. ML 3.6 (STR), 3.3 (GEN), 3.3 (LDG).
16	15	33	20.4	44.627	N	10.229	E	10	G		1.1	26	NORTHERN ITALY. ML 2.9 (GEN), 2.8 (LDG).
16	15	40	30.0&	46.020	N	2.500	E	1	G			4	FRANCE. <STR>. ML 2.0 (STR).
16	15	43	32.0	44.565	N	10.108	E	10	G		0.7	18	NORTHERN ITALY. ML 2.8 (GEN).
16	15	48	12.6&	50.300	N	6.520	E	1	G			6	GERMANY. <STR>. ML 2.6 (STR).
16	17	00	11.5&	31.268	S	71.814	W	14				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
16	17	25	41.6*	50.346	S	113.782	E	10	G	4.7	1.2	21	SOUTHEAST INDIAN RIDGE
16	17	29	17.4	38.906	N	20.522	E	19		4.7 4.7	1.3	214	GREECE. ML 4.8 (THE).
16	17	48	09.8&	15.143	N	94.481	W	100				4	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.1 (UNM).
16	18	34	37.6*	7.863	N	126.980	E	71	*	4.4	0.9	21	MINDANAO, PHILIPPINE ISLANDS
16	19	02	19.2?	18.69	S	169.35	E	250	G	4.6	0.7	8	VANUATU ISLANDS
16	19	36	17.5*	36.599	N	70.846	E	273	*	3.7	0.7	12	HINDU KUSH REGION, AFGHANISTAN
16	20	06	19.9&	45.130	N	27.188	E	10	G		0.4	5	ROMANIA
16	20	08	45.2	32.745	N	130.761	E	30	*	4.6	1.2	29	KYUSHU, JAPAN
16	20	19	40.8&	37.521	N	118.823	W	4				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
16	20	24	32.0	13.066	N	143.705	E	150	G	4.5	1.0	31	SOUTH OF MARIANA ISLANDS
16	20	27	21.1?	17.61	S	175.38	W	350	G	3.8	0.8	13	TONGA ISLANDS
16	20	42	25.3*	45.412	N	100.532	E	33	N	4.1	1.0	12	MONGOLIA
16	20	48	54.1&	33.133	S	70.247	W	7				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
16	21	00	11.0*	17.704	S	179.024	W	600	G	4.0	0.7	22	FIJI ISLANDS REGION

16	21	05	49.9*	37.332	N	70.101	E	66	?	4.0	1.0	12	AFGHANISTAN-TAJIKISTAN BORD REG.
16	21	14	44.6?	18.84	S	173.50	W	33	N		1.4	9	TONGA ISLANDS
16	21	56	45.9*	28.969	N	54.753	E	33	N	3.9	0.9	13	SOUTHERN IRAN
16	21	58	32.4	52.802	N	163.465	W	33	N	4.5	0.9	47	SOUTH OF ALASKA
16	22	00	56.6&	7.447	N	78.020	W	27				5	PANAMA. <UPA>. MD 4.0 (UPA).
16	22	03	32.8?	10.45	S	12.44	W	10	G	4.3	1.5	7	ASCENSION ISLAND REGION
16	22	08	24.9&	58.890	N	154.901	W	125				15	ALASKA PENINSULA. <AEIC>.
16	22	18	19.4&	45.138	N	27.184	E	10	G		0.2	5	ROMANIA
16	22	28	11.4&	37.490	N	118.813	W	3				14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.1 (BRK).
16	22	29	06.7&	31.176	S	72.407	W	20				8	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
16	22	44	07.4	46.188	N	13.770	E	10	G		0.8	11	AUSTRIA. ML 2.6 (VIE), 2.0 (LJU).
16	23	04	11.8&	32.206	S	69.919	W	132				12	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.6 (GUC).
16	23	19	37.1&	37.486	N	118.812	W	3				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
16	23	54	33.2&	31.945	S	71.611	W	31				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
17	00	43	33.7&	36.863	N	35.682	E	10	G			11	TURKEY. <ISK>. MD 3.7 (ISK).
17	00	55	34.3&	37.583	N	118.829	W	4				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
17	01	13	38.5?	22.70	N	45.07	W	10	G		1.5	7	NORTHERN MID-ATLANTIC RIDGE
17	01	22	38.8&	36.245	S	147.720	E	10	G	4.1	1.0	10	VICTORIA, AUSTRALIA. Felt in northeastern Victoria.
17	01	37	57.1?	44.53	N	10.14	E	10	G		1.2	9	NORTHERN ITALY. ML 2.4 (LDG).
17	01	39	25.5?	47.33	N	11.33	E	10	G		0.1	4	AUSTRIA. ML 0.9 (VIE).
17	02	18	58.2	18.301	S	168.206	E	33	N	5.2 5.1	1.0	163	VANUATU ISLANDS. Mw 5.5 (HRV). Felt at Port-Vila. Centroid, Moment Tensor (HRV): Centroid origin time 02:19:04.5; Lat 18.34 S; Lon 167.83 E; Dep 34.6; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.03, Plg=81, Azm=59; (N) Val=0.11, Plg=3, Azm=165; (P) Val=-2.14, Plg=9, Azm=256; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=349, Dip=36, Slip=94; NP2: Strike=163, Dip=54, Slip=87.
17	02	30	30.1?	18.57	N	122.55	E	33	N	4.2	1.1	5	LUZON, PHILIPPINE ISLANDS
17	02	41	24.3*	41.716	N	79.198	E	33	N	4.2	1.2	18	KYRGYZSTAN-XINJIANG BORDER REG.
17	03	43	33.1?	5.97	S	149.68	E	50	G	4.0	1.5	11	NEW BRITAIN REGION, P.N.G.
17	04	51	14.7	23.407	N	120.736	E	13		5.5 5.4	1.1	279	TAIWAN. Mw 5.7 (HRV). Five people killed, 27 injured, damage (V JMA) and landslides occurred in Chia-i County. Felt (IV JMA) at Tai-nan; (III JMA) at Hua-lien, Kao-Hsiung and Tai-chung; (II JMA) at Cheng-kung and I-lan; (I JMA) at Taipei. Felt throughout Taiwan. Felt (II JMA) at Ma-kung, Peng-hu. Also felt along the coasts of Fujian and Zhejiang Provinces, China. Centroid, Moment Tensor (HRV): Centroid origin time 04:51:16.7; Lat 23.52 N; Lon 120.46 E; Dep 15.0 Bdy; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=4.06, Plg=80, Azm=94; (N) Val=0.50, Plg=4, Azm=211; (P) Val=-4.56, Plg=9, Azm=302; Best double couple: Mo=4.3*10**17 Nm; NP1: Strike=37, Dip=36, Slip=97; NP2: Strike=208, Dip=54, Slip=85.
17	04	52	04.9*	38.236	N	49.910	E	33	N	3.8	1.4	7	CASPIAN SEA
17	05	25	22.4&	63.205	N	150.707	W	129				44	CENTRAL ALASKA. <AEIC>.
17	06	06	43.6&	34.476	S	70.741	W	104				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
17	06	13	13.0&	37.539	N	118.819	W	4				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
17	06	14	36.4&	37.541	N	118.829	W	1				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
17	06	18	03.9&	35.273	S	72.713	W	5				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
17	06	33	57.6*	25.895	N	102.634	E	33	N	4.1	1.5	13	YUNNAN, CHINA
17	06	57	43.1?	41.01	N	137.92	E	296	*		1.0	7	EASTERN SEA OF JAPAN
17	07	37	11.3?	51.84	N	179.47	E	100	G	3.8	0.8	9	RAT ISLANDS, ALEUTIAN ISLANDS
17	07	54	29.4&	39.313	N	27.520	E	5				5	TURKEY. <ISK>. MD 2.8 (ISK).
17	08	13	53.8*	18.362	S	168.367	E	33	N	4.3	1.4	18	VANUATU ISLANDS
17	08	29	04.7	43.201	N	7.066	W	5	G		0.9	33	SPAIN. ML 4.4 (LDG). mbLg 4.0 (MDD). Felt (IV) in the epicentral area.
17	08	31	40.1*	7.745	S	125.353	E	385	*	4.3	1.1	18	BANDA SEA
17	08	49	03.7	8.681	N	83.171	W	41		5.1	1.0	137	COSTA RICA. MD 5.1 (UPA).
17	08	49	13.2	2.961	S	141.926	E	10	G	5.8 7.1	1.3	60	NEAR N COAST OF NEW GUINEA, PNG. Mw 7.0 (GS), 7.0 (HRV). Me 6.7 (GS). Ms 7.0 (BRK). At least 2,183 people killed, thousands injured, about 9,500 homeless and about 500 missing as a result of a tsunami generated in the Sissano area. Maximum wave heights estimated at 15 meters. Several villages were completely destroyed and others extensively damaged. Maximum recorded wave heights from selected tide stations (peak-to-trough, in cm) were as follows: 40 on Miyake-jima; 30 at Tosa-Shimuzu, Shikoku; 26 at Muroto, Shikoku; 24 at Naze, Amami O-shima; 20 on Tanega-shima; 20 at Kushimoto, Honshu; 6 at Jackson Bay and 4.7 at Kaikoura, New Zealand; 5 on Yap. Felt along much of the northern Papua New Guinea coast. Broadband Source Parameters (GS): Dep 23; NP1: Strike=305, Dip=89, Slip=90; NP2: Strike=125, Dip=1, Slip=90; Radiated energy 2.4*10**14 Nm. Moment Tensor (GS): Dep 7; Principal axes (scale 10**19 Nm): (T) Val=3.71, Plg=47, Azm=212; (N) Val=-0.01, Plg=0, Azm=302; (P) Val=-3.70, Plg=43, Azm=32; Best double couple: Mo=3.7*10**19 Nm; NP1: Strike=123, Dip=2, Slip=91; NP2: Strike=302, Dip=88, Slip=90. Centroid, Moment Tensor (HRV): Centroid origin time 08:49:32.6; Lat 2.50 S; Lon 142.07 E; Dep 15.0 Fix; Half-duration 7.5 sec; Principal axes (scale 10**19 Nm): (T) Val=3.83, Plg=59, Azm=181; (N) Val=-0.31, Plg=11, Azm=290; (P) Val=-3.51, Plg=29, Azm=26; Best double couple: Mo=3.7*10**19 Nm; NP1: Strike=146, Dip=19, Slip=127; NP2: Strike=287, Dip=75, Slip=78. Scalar Moment (PPT): Mo=3.4*10**19 Nm.
17	08	52	57.4&	47.100	N	6.330	E	2	G			5	FRANCE. <STR>. ML 2.1 (STR).
17	09	02	05.9*	2.890	S	142.202	E	10	G	4.4	1.0	16	NEAR N COAST OF NEW GUINEA, PNG.
17	09	06	02.7?	3.04	S	141.93	E	10	G		0.8	8	NEW GUINEA, PAPUA NEW GUINEA

17	09	09	31.5	2.895	S	142.098	E	10	G	5.6	1.1	162	NEAR N COAST OF NEW GUINEA, PNG.
17	09	10	02.1*	2.892	S	142.355	E	10	G	5.9	1.1	55	NEAR N COAST OF NEW GUINEA, PNG.
17	09	19	13.1*	2.567	S	142.357	E	10	G	4.5	1.5	17	NEAR N COAST OF NEW GUINEA, PNG.
17	09	23	14.7&	34.015	S	70.135	W	10				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC).
17	09	24	47.8*	36.498	N	71.349	E	203	*	4.3	1.0	18	AFGHANISTAN-TAJIKISTAN BORD REG.
17	09	29	13.7*	2.809	S	141.877	E	10	G	4.1	1.4	21	NEAR N COAST OF NEW GUINEA, PNG.
17	09	40	07.8	2.919	S	142.200	E	10	G	4.5	0.9	30	NEAR N COAST OF NEW GUINEA, PNG.
17	09	53	03.1*	2.726	S	141.861	E	10	G	3.5	0.6	9	NEAR N COAST OF NEW GUINEA, PNG.
17	10	02	10.9*	2.921	S	142.001	E	10	G	4.3	1.2	23	NEAR N COAST OF NEW GUINEA, PNG.
17	10	12	22.9*	2.776	S	142.011	E	10	G	3.3	0.9	9	NEAR N COAST OF NEW GUINEA, PNG.
17	10	21	34.3?	2.85	S	142.39	E	10	G	3.6	0.6	6	NEAR N COAST OF NEW GUINEA, PNG.
17	10	29	03.6&	61.694	N	146.668	W	27				80	SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.6 (PMR).
17	10	40	04.1?	2.80	S	141.91	E	10	G	3.3	0.6	6	NEAR N COAST OF NEW GUINEA, PNG.
17	10	51	50.9*	2.888	S	142.120	E	10	G	4.3	0.5	11	NEAR N COAST OF NEW GUINEA, PNG.
17	11	06	21.2?	3.10	S	142.40	E	10	G	3.4	1.0	7	NEAR N COAST OF NEW GUINEA, PNG.
17	11	18	01.8	17.008	N	100.000	W	39		4.7	1.1	101	GUERRERO, MEXICO. MD 4.6 (UNM). Felt at Acapulco and Mexico City.
17	11	25	33.5&	16.946	N	100.165	W	29				5	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
17	11	28	50.7*	2.701	S	141.924	E	10	G	3.9	0.5	9	NEAR N COAST OF NEW GUINEA, PNG.
17	11	43	41.1&	34.978	N	116.952	W	5				30	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). Felt at Calico.
17	11	44	06.2?	8.96	N	83.21	W	10	G	4.0	0.9	6	COSTA RICA. MD 4.4 (UPA).
17	11	48	32.4&	37.553	N	118.815	W	5				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
17	11	51	44.0&	36.970	N	117.530	W	4				7	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 2.9 (REN).
17	11	53	38.0*	2.780	S	142.176	E	10	G	4.1	1.1	26	NEAR N COAST OF NEW GUINEA, PNG.
17	12	05	06.8?	3.21	S	141.68	E	10	G	3.1	1.4	6	NEW GUINEA, PAPUA NEW GUINEA
17	12	09	24.2&	34.035	S	70.121	W	9				6	CHILE-ARGENTINA BORDER REGION. <GUC>.
17	12	12	47.7?	2.49	S	141.70	E	10	G	3.2	1.0	7	NEAR N COAST OF NEW GUINEA, PNG.
17	12	15	09.5?	2.96	S	142.40	E	10	G	3.2	0.4	7	NEAR N COAST OF NEW GUINEA, PNG.
17	12	40	48.4*	2.797	S	141.989	E	10	G	4.3	1.4	23	NEAR N COAST OF NEW GUINEA, PNG.
17	12	59	16.5*	41.218	N	141.911	E	33	N	4.6	1.2	7	HOKKAIDO, JAPAN REGION. Felt (I JMA) in southeastern Aomori Prefecture, Honshu.
17	13	00	01.8?	3.14	S	142.25	E	10	G	3.9	1.1	11	NEAR N COAST OF NEW GUINEA, PNG.
17	13	02	24.8*	2.683	S	142.321	E	10	G	4.2	1.3	19	NEAR N COAST OF NEW GUINEA, PNG.
17	13	06	09.4?	2.65	S	142.48	E	10	G		1.1	7	NEAR N COAST OF NEW GUINEA, PNG.
17	13	08	58.2?	2.29	S	142.03	E	10	G	3.5	1.0	6	NEAR N COAST OF NEW GUINEA, PNG.
17	13	09	57.0*	2.797	S	142.322	E	10	G	4.3	1.1	27	NEAR N COAST OF NEW GUINEA, PNG.
17	13	12	56.3*	2.867	S	142.080	E	10	G	4.2	1.2	14	NEAR N COAST OF NEW GUINEA, PNG.
17	13	16	44.4	2.725	S	142.186	E	10	G	4.4	0.7	30	NEAR N COAST OF NEW GUINEA, PNG.
17	13	23	41.1*	2.937	S	142.216	E	10	G	3.9	1.2	17	NEAR N COAST OF NEW GUINEA, PNG.
17	13	32	55.1?	2.96	S	142.48	E	10	G	4.4	0.5	9	NEAR N COAST OF NEW GUINEA, PNG.
17	13	44	18.6*	17.750	S	167.666	E	33	N	4.1	1.0	12	VANUATU ISLANDS
17	13	45	59.8*	55.586	S	3.056	W	10	G	4.3	0.5	8	SOUTHERN MID-ATLANTIC RIDGE
17	13	52	54.9	2.818	S	142.211	E	10	G	4.5	1.1	34	NEAR N COAST OF NEW GUINEA, PNG.
17	14	28	08.8?	49.67	N	156.04	E	33	N		0.5	5	KURIL ISLANDS
17	14	52	06.6*	54.878	N	161.603	E	33	N	4.2	0.8	8	NEAR EAST COAST OF KAMCHATKA
17	15	14	14.6	48.290	N	146.087	E	490		4.4	0.8	134	SEA OF OKHOTSK
17	15	24	41.1&	17.025	N	100.094	W	15				11	GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
17	15	31	29.7*	11.950	N	143.400	E	10	G	4.2	1.2	16	SOUTH OF MARIANA ISLANDS
17	15	46	36.3*	2.671	S	142.433	E	10	G	3.8	0.4	11	NEAR N COAST OF NEW GUINEA, PNG.
17	15	47	13.4?	15.03	S	66.98	E	10	G	4.3	0.8	12	MID-INDIAN RIDGE
17	15	48	22.8*	42.171	N	1.735	E	10	G		0.3	11	PYRENEES. ML 3.2 (STR).
17	15	48	31.3*	37.715	N	70.266	E	33	N	3.9	1.3	12	AFGHANISTAN-TAJIKISTAN BORD REG.
17	15	49	21.7	2.975	S	142.023	E	10	G	4.1	0.9	18	NEAR N COAST OF NEW GUINEA, PNG.
17	15	57	19.0&	32.163	S	69.804	W	139				12	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.2 (GUC).
17	16	40	31.9*	2.735	S	141.917	E	10	G	3.7	0.8	8	NEAR N COAST OF NEW GUINEA, PNG.
17	16	52	04.4&	37.570	N	118.793	W	5				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
17	17	17	57.9*	2.861	S	141.855	E	10	G	3.6	1.3	12	NEAR N COAST OF NEW GUINEA, PNG.
17	17	19	23.6*	3.208	S	143.059	E	10	G	4.3	1.1	14	NEAR N COAST OF NEW GUINEA, PNG.
17	17	23	07.9&	63.070	N	150.392	W	111				70	CENTRAL ALASKA. <AEIC>.
17	17	23	52.5&	8.535	N	82.958	W	0				4	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.2 (UPA).
17	17	30	39.7&	45.199	N	6.845	E	3				8	FRANCE. <GEN>. ML 2.1 (GEN).
17	17	39	45.4	2.925	S	142.114	E	10	G	4.4	1.0	24	NEAR N COAST OF NEW GUINEA, PNG.
17	18	15	14.9	36.732	N	35.996	E	12		4.1	0.9	28	TURKEY. MD 4.0 (ISK). ML 4.0 (GII).
17	18	17	14.8	2.894	S	142.119	E	10	G	4.7	0.9	46	NEAR N COAST OF NEW GUINEA, PNG.
17	18	33	55.2&	11.037	N	60.993	W	6				7	WINDWARD ISLANDS. <TRN>. MD 3.0 (TRN).
17	18	36	36.5	2.903	S	142.205	E	10	G	4.5	1.1	34	NEAR N COAST OF NEW GUINEA, PNG.
17	18	36	59.1	47.242	N	11.170	E	10	G		1.3	9	AUSTRIA. ML 2.5 (STR), 2.3 (VIE).
17	18	44	41.3*	23.989	N	121.465	E	10	G	4.4	1.5	11	TAIWAN. Felt (IV JMA) at Hua-lien and (II JMA) in southern I-lan County.
17	18	46	16.2&	26.700	S	127.985	E	10	G	4.2	1.2	9	WESTERN AUSTRALIA
17	18	50	42.4	2.929	S	142.333	E	10	G	4.7	1.2	37	NEAR N COAST OF NEW GUINEA, PNG.
17	19	03	52.4?	2.76	S	142.46	E	10	G		0.4	5	NEAR N COAST OF NEW GUINEA, PNG.
17	19	13	30.0*	1.069	N	123.044	E	100	G	4.5	1.0	22	MINAHASSA PENINSULA, SULAWESI
17	20	07	20.8*	2.800	S	142.024	E	10	G	4.2	0.9	10	NEAR N COAST OF NEW GUINEA, PNG.
17	20	07	37.9&	37.568	N	118.793	W	5				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
17	20	18	45.6&	32.084	S	71.520	W	43				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
17	20	19	56.8*	2.724	S	142.072	E	10	G	4.1	0.8	9	NEAR N COAST OF NEW GUINEA, PNG.
17	20	56	19.7	20.410	S	177.760	W	513	D	4.7	0.9	120	FIJI ISLANDS REGION
17	21	03	25.6&	37.546	N	118.793	W	6				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
17	21	13	59.2*	22.849	N	94.496	E	100	G	4.6	0.5	8	MYANMAR
17	21	37	03.6*	79.136	N	3.564	E	10	G	3.4	0.8	13	GREENLAND SEA
17	21	46	43.2	2.316	N	126.670	E	33	N	4.5	1.0	29	NORTHERN MOLUCCA SEA
17	22	03	52.3	4.687	S	103.065	E	50	D	5.8 5.1	0.9	278	SOUTHERN SUMATERA, INDONESIA. Mw 5.7 (GS), 5.7 (HRV). Felt (IV) at Kepahiang and (III) at Liwa.

Moment Tensor (GS): Dep 55; Principal axes (scale 10**17 Nm): (T) Val=3.89, Plg=80, Azm=319; (N) Val=-0.10, Plg=10, Azm=162; (P) Val=-3.79, Plg=4, Azm=71; Best double couple: Mo=3.8*10**17 Nm; NP1: Strike=151, Dip=42, Slip=76; NP2: Strike=350, Dip=50, Slip=103.

Centroid, Moment Tensor (HRV): Centroid origin time 22:03:58.2; Lat 5.13 S; Lon 102.83 E; Dep 42.0 Bdy; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.56, Plg=67, Azm=12; (N) Val=0.41, Plg=5, Azm=115; (P)

Val=-3.97, Plg=22, Azm=207; Best double couple: Mo=3.8*10**17 Nm; NP1: Strike=307, Dip=24, Slip=104; NP2: Strike=113, Dip=67, Slip=84.

17	22	23	33.1*	51.482	N	7.719	E	5	G			0.9	8	GERMANY. ML 3.0 (LDG), 2.7 (STR).
17	22	31	28.5*	2.810	S	141.734	E	10	G	3.9		1.1	13	NEAR N COAST OF NEW GUINEA, PNG.
17	22	49	18.5	56.038	S	27.609	W	100	G	5.1		0.7	55	SOUTH SANDWICH ISLANDS REGION
18	00	42	42.1&	37.522	N	118.822	W	4					19	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.5 (BRK).
18	00	43	22.2&	35.562	S	70.937	W	0					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.3 (GUC).
18	00	49	04.9*	9.626	S	123.029	E	100	G	4.1		1.4	12	TIMOR REGION, INDONESIA
18	00	50	17.5?	24.02	N	121.81	E	10	G			1.2	5	TAIWAN. Felt (III JMA) at Hua-lien.
18	01	31	17.2*	24.214	S	66.736	W	200	G	4.2		1.2	10	SALTA PROVINCE, ARGENTINA
18	01	32	37.9	2.921	S	142.226	E	10	G	4.5	3.9	0.9	42	NEAR N COAST OF NEW GUINEA, PNG.
18	01	40	30.2*	35.303	N	81.560	E	33	N	4.6		1.4	33	SOUTHERN XINJIANG, CHINA
18	01	41	11.9	2.759	S	142.091	E	10	G	4.9	3.9	1.1	54	NEAR N COAST OF NEW GUINEA, PNG.
18	01	55	01.4?	3.39	S	142.77	E	10	G	3.8		0.4	9	NEAR N COAST OF NEW GUINEA, PNG.
18	02	17	43.4&	16.714	N	100.674	W	6					11	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.1 (UNM).
18	02	21	01.9&	37.537	N	118.820	W	3					8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
18	03	31	07.9?	2.76	S	141.79	E	10	G	3.7		0.6	7	NEAR N COAST OF NEW GUINEA, PNG.
18	03	59	46.6&	54.430	N	161.630	W	0					11	ALASKA PENINSULA. <AEIC>. ML 2.5 (AEIC).
18	04	18	32.2	27.890	S	179.598	E	490	D	4.7		1.0	90	KERMADEC ISLANDS REGION
18	04	20	31.8	12.975	N	88.377	W	73	D	4.2		1.0	36	OFF COAST OF CENTRAL AMERICA
18	05	12	01.0&	43.000	N	0.440	W	2					9	PYRENEES. <STR>. ML 2.5 (STR), 2.0 (LDG).
18	05	36	37.9&	33.835	N	119.300	W	11					30	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
18	05	54	42.0	18.303	S	168.162	E	33	N	4.7	5.0	1.2	54	VANUATU ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:54:46.9; Lat 18.15 S; Lon 167.70 E; Dep 36.7; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.74, Plg=43, Azm=153; (N) Val=0.34, Plg=46, Azm=344; (P) Val=-1.08, Plg=5, Azm=248; Best double couple: Mo=9.1*10**16 Nm; NP1: Strike=300, Dip=57, Slip=30; NP2: Strike=193, Dip=65, Slip=143.
18	06	21	17.0	35.357	N	78.378	E	33	N	4.8	4.1	1.3	114	EASTERN KASHMIR
18	06	29	38.7*	3.098	S	142.991	E	10	G	4.2		1.4	17	NEAR N COAST OF NEW GUINEA, PNG.
18	06	33	07.1	31.763	S	68.912	W	108		4.2		0.8	40	SAN JUAN PROVINCE, ARGENTINA. MD 4.5 (GUC).
18	07	15	13.3*	22.940	S	177.366	W	200	G	4.3		1.0	29	SOUTH OF FIJI ISLANDS
18	07	35	56.9	5.567	S	151.007	E	46	D	5.2	4.9	0.9	191	NEW BRITAIN REGION, P.N.G. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:36:02.7; Lat 5.81 S; Lon 151.18 E; Dep 38.6; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.52, Plg=69, Azm=5; (N) Val=0.13, Plg=5, Azm=260; (P) Val=-1.65, Plg=20, Azm=168; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=249, Dip=26, Slip=78; NP2: Strike=83, Dip=65, Slip=96.
18	07	42	03.8?	6.81	N	73.00	W	171	?	4.3		0.7	10	NORTHERN COLOMBIA
18	07	51	14.8&	59.927	N	153.411	W	138					15	SOUTHERN ALASKA. <AEIC>.
18	08	19	01.6*	2.983	S	141.901	E	10	G	4.4		1.1	26	NEAR N COAST OF NEW GUINEA, PNG.
18	08	28	26.6&	35.603	S	71.016	W	8					11	CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
18	09	03	25.6&	33.982	S	70.856	W	79					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 1.7 (GUC).
18	09	12	34.9	28.504	N	139.940	E	426	*	4.1		0.9	31	BONIN ISLANDS REGION
18	09	23	34.8	2.760	S	141.991	E	10	G	4.4		1.3	35	NEAR N COAST OF NEW GUINEA, PNG.
18	09	57	13.9	28.307	S	70.841	W	47	D	5.3	4.4	0.9	197	CENTRAL CHILE. Mw 5.5 (HRV). Felt (V) at Vallenar; (IV) at Copiapo; (III) at Diego de Almagro and Vicuna; (II) at Coquimbo and La Serena. Centroid, Moment Tensor (HRV): Centroid origin time 09:57:21.1; Lat 28.58 S; Lon 71.20 W; Dep 27.6; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.66, Plg=59, Azm=57; (N) Val=0.11, Plg=8, Azm=161; (P) Val=-1.77, Plg=29, Azm=255; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=8, Dip=17, Slip=119; NP2: Strike=158, Dip=75, Slip=82.
18	10	16	39.2&	38.121	N	28.643	E	10	G				7	TURKEY. <ISK>. MD 3.1 (ISK).
18	10	25	23.3&	32.671	S	71.711	W	13					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
18	10	34	20.5?	1.52	N	98.87	E	100	G			1.4	8	NORTHERN SUMATERA, INDONESIA
18	10	41	07.0&	33.625	S	71.172	W	61					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.3 (GUC).
18	10	45	10.8?	3.38	S	143.03	E	10	G	3.4		1.0	7	NEAR N COAST OF NEW GUINEA, PNG.
18	10	53	03.6*	4.333	N	75.940	W	168		3.7		1.2	19	COLOMBIA
18	11	19	09.9*	10.762	S	166.127	E	33	N	4.4		1.1	15	SANTA CRUZ ISLANDS
18	11	23	16.6	13.825	S	166.929	E	250	G	4.4		1.0	49	VANUATU ISLANDS
18	11	36	44.2*	33.118	N	141.488	E	33	N	4.5		0.4	8	OFF EAST COAST OF HONSHU, JAPAN
18	11	54	21.9*	43.273	N	45.604	E	145	?	3.7		1.3	12	EASTERN CAUCASUS
18	12	18	47.5*	18.308	S	168.153	E	33	N	4.3		1.3	20	VANUATU ISLANDS
18	12	21	21.5&	31.486	S	69.757	W	155					9	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.2 (GUC).
18	12	53	39.4*	17.265	S	69.822	W	150	G	4.0		1.1	16	PERU-BOLIVIA BORDER REGION. Felt (III) at Arica, Chile. Also felt slightly at Putre, Chile.
18	13	03	34.4	33.112	N	141.398	E	33	N	4.1		0.9	19	OFF EAST COAST OF HONSHU, JAPAN
18	13	17	33.9&	31.712	S	69.954	W	155					11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.8 (GUC).
18	13	34	14.9*	2.909	S	142.252	E	10	G	3.9		1.0	12	NEAR N COAST OF NEW GUINEA, PNG.
18	14	18	38.6&	55.150	N	162.721	W	3					13	ALASKA PENINSULA. <AEIC>. ML 2.5 (AEIC).
18	14	26	53.8&	16.030	N	98.286	W	5					12	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
18	14	29	25.1*	34.706	N	69.066	E	33	N	3.7		1.0	8	AFGHANISTAN
18	15	03	23.3*	10.596	N	126.671	E	33	N	4.5		1.2	14	PHILIPPINE ISLANDS REGION
18	15	25	38.8*	11.919	N	143.483	E	33	N	4.0		0.9	13	SOUTH OF MARIANA ISLANDS
18	16	03	49.7	52.138	N	178.929	E	135		4.5		1.0	68	RAT ISLANDS, ALEUTIAN ISLANDS
18	16	04	26.0	6.171	N	125.914	E	156	D	5.1		1.0	103	MINDANAO, PHILIPPINE ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:04:28.9; Lat 6.03 N; Lon 125.71 E; Dep 149.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.43, Plg=44, Azm=240; (N) Val=-3.68, Plg=42, Azm=90; (P) Val=-5.75, Plg=16, Azm=345; Best double couple: Mo=7.6*10**16 Nm; NP1: Strike=33, Dip=47, Slip=24; NP2: Strike=286, Dip=73, Slip=134.
18	16	14	07.2	24.037	N	121.850	E	33	N	3.6		0.8	11	TAIWAN. Felt (III JMA) at Hua-lien.

18	16	14	43.3*	2.627	S	141.635	E	10	G	4.0		1.2	8	NEAR N COAST OF NEW GUINEA, PNG.
18	16	18	31.2	35.606	N	140.335	E	84	*	4.6		1.0	52	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in northern Chiba and southern Ibaraki; (I JMA) in parts of Kanagawa and Saitama Prefectures. Also felt (I JMA) in the Tokyo area.
18	16	32	16.3&	41.185	N	28.278	E	10	G				6	TURKEY. <ISK>. MD 2.8 (ISK).
18	16	41	19.4	18.369	S	168.173	E	33	N	5.4	6.0	1.1	216	VANUATU ISLANDS. Mw 6.1 (GS), 6.1 (HRV). Me 5.7 (GS). Ms 6.1 (BRK). Felt at Port-Vila. Broadband Source Parameters (GS): Dep 20; NP1: Strike=168, Dip=66, Slip=75; NP2: Strike=21, Dip=28, Slip=120; Radiated energy 7.4*10**12 Nm. Moment Tensor (GS): Dep 24; Principal axes (scale 10**18 Nm): (T) Val=1.57, Plg=59, Azm=48; (N) Val=-0.20, Plg=11, Azm=158; (P) Val=-1.37, Plg=28, Azm=254; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=11, Dip=20, Slip=125; NP2: Strike=155, Dip=74, Slip=78. Centroid, Moment Tensor (HRV): Centroid origin time 16:41:25.7; Lat 18.26 S; Lon 167.87 E; Dep 31.9; Half-duration 2.9 sec; Principal axes (scale 10**18 Nm): (T) Val=1.54, Plg=71, Azm=37; (N) Val=0.07, Plg=10, Azm=158; (P) Val=-1.62, Plg=16, Azm=250; Best double couple: Mo=1.6*10**18 Nm; NP1: Strike=355, Dip=31, Slip=110; NP2: Strike=152, Dip=61, Slip=79. Scalar Moment (PPT): Mo=1.9*10**18 Nm.
18	16	49	37.7*	18.313	S	168.171	E	33	N	4.3		1.2	21	VANUATU ISLANDS
18	17	02	41.9*	23.348	N	120.931	E	33	N	4.3		1.0	14	TAIWAN. Felt (IV JMA) in the epicentral area and (III JMA) at Chia-i.
18	17	23	40.2*	7.008	S	129.746	E	100	G	4.2		1.2	13	BANDA SEA
18	17	35	38.6&	31.289	S	67.670	W	207					13	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 4.2 (GUC).
18	18	16	01.0	34.359	N	26.712	E	33	N			0.8	17	CRETE
18	18	54	40.8*	2.815	S	142.507	E	10	G	3.8		0.9	11	NEAR N COAST OF NEW GUINEA, PNG.
18	18	55	10.6?	2.77	S	142.33	E	10	G	4.0		1.4	6	NEAR N COAST OF NEW GUINEA, PNG.
18	19	16	50.2?	10.52	N	126.40	E	33	N	4.0		1.3	9	PHILIPPINE ISLANDS REGION
18	19	18	02.1*	2.761	S	142.288	E	10	G	4.2		1.3	25	NEAR N COAST OF NEW GUINEA, PNG.
18	19	39	11.5&	32.641	S	71.067	W	8					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.8 (GUC).
18	19	52	03.3?	2.58	S	142.14	E	10	G	4.9		0.9	6	NEAR N COAST OF NEW GUINEA, PNG.
18	20	15	51.6*	30.188	N	139.166	E	400	G	3.6		0.8	12	SOUTH OF HONSHU, JAPAN
18	20	31	23.4*	2.645	S	142.291	E	10	G	3.8		1.1	10	NEAR N COAST OF NEW GUINEA, PNG.
18	20	40	06.0&	37.919	N	29.219	E	6					11	TURKEY. <ISK>. MD 3.4 (ISK). Felt in Denizli.
18	21	37	03.4&	35.306	S	70.999	W	104					7	CHILE-ARGENTINA BORDER REGION. <GUC>.
18	21	39	02.3?	1.78	S	80.37	W	33	N	4.2		1.4	10	NEAR COAST OF ECUADOR
18	21	40	25.2*	18.377	S	63.753	W	33	N			1.5	5	CENTRAL BOLIVIA
18	22	38	10.7*	2.818	S	141.953	E	10	G	4.1		1.1	14	NEAR N COAST OF NEW GUINEA, PNG.
18	22	44	22.9	51.575	N	16.288	E	5	G			1.1	13	POLAND. ML 3.5 (VIE), 3.5 (GRF).
18	22	48	12.0?	31.75	N	140.22	E	33	N	4.2		0.6	8	SOUTH OF HONSHU, JAPAN
18	23	23	57.2*	13.927	N	91.152	W	82	*	4.4		1.0	62	NEAR COAST OF GUATEMALA
18	23	51	27.0	1.082	N	77.993	W	33	N	4.6	3.8	1.4	59	COLOMBIA. ML 4.6 (RSNC).
19	01	51	52.8&	44.135	N	7.183	E	9					23	NORTHERN ITALY. <GEN>. ML 2.4 (LDG), 2.2 (GEN), 1.8 (STR).
19	02	09	33.4	2.903	S	142.277	E	10	G	3.9		0.7	16	NEAR N COAST OF NEW GUINEA, PNG.
19	02	19	59.7?	19.03	N	39.30	E	33	N	4.2		1.2	7	RED SEA
19	02	20	38.4&	32.486	S	70.443	W	107					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
19	03	02	11.8&	32.834	S	70.070	W	110					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
19	03	30	24.4&	35.290	S	70.957	W	105					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
19	04	20	28.4*	1.522	S	139.016	E	33	N			0.6	6	NEAR NORTH COAST OF IRIAN JAYA
19	05	21	50.5&	43.100	N	0.200	W	2					4	PYRENEES. <LDG>. ML 1.7 (LDG).
19	05	45	47.0&	34.188	S	72.280	W	28					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
19	06	06	56.0	42.796	N	45.054	E	45	*	4.1		1.0	35	EASTERN CAUCASUS
19	06	16	51.0	35.343	N	23.356	E	33	N	4.3	3.4	1.2	120	CRETE
19	06	25	20.9*	21.677	S	179.251	W	550	G	4.2		1.0	29	FIJI ISLANDS REGION
19	06	39	21.7?	17.88	S	178.50	W	600	G			0.9	15	FIJI ISLANDS REGION
19	07	07	48.8	31.720	S	67.291	W	117	*	3.7		0.9	22	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (GUC).
19	07	54	33.1&	44.014	N	10.772	E	1					24	NORTHERN ITALY. <GEN>. ML 2.7 (LDG), 2.5 (GEN).
19	08	47	06.0	2.914	S	142.041	E	10	G	4.8		1.3	78	NEAR N COAST OF NEW GUINEA, PNG.
19	09	20	24.3&	32.138	S	69.657	W	145					10	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.0 (GUC).
19	09	27	41.2	18.303	N	65.098	W	132	D	4.6		0.7	144	PUERTO RICO REGION. MD 4.5 (MPR). Felt (IV) at Utuado and in the San Juan area.
19	09	50	33.0&	33.393	S	68.786	W	12					13	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.8 (GUC).
19	09	56	40.2*	72.994	N	6.061	E	10	G	4.1		1.4	7	NORWEGIAN SEA
19	10	05	59.6&	57.900	N	156.640	W	10					10	ALASKA PENINSULA. <AEIC>. ML 2.5 (AEIC).
19	10	15	17.2?	12.60	N	88.14	W	33	N	4.2		1.3	17	OFF COAST OF CENTRAL AMERICA
19	10	25	26.0*	35.180	S	179.150	E	300	G	4.6		1.2	37	OFF E. COAST OF N. ISLAND, N.Z.
19	10	32	13.4	51.584	N	16.377	E	5	G			0.9	20	POLAND. ML 3.6 (VIE), 3.6 (GRF).
19	10	34	23.9&	37.567	N	118.789	W	7					16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.3 (BRK).
19	10	35	04.7*	8.148	S	128.016	E	132	*	4.2		1.0	16	TIMOR SEA
19	10	51	14.6&	44.280	N	6.801	E	2					39	FRANCE. <GEN>. ML 2.7 (GEN), 2.5 (LDG), 2.4 (STR).
19	11	04	55.7	12.537	N	124.418	E	150	*	4.3		0.9	37	SAMAR, PHILIPPINE ISLANDS
19	11	40	30.9?	2.63	S	141.73	E	10	G	3.7		1.3	5	NEAR N COAST OF NEW GUINEA, PNG.
19	12	27	13.3&	35.736	S	71.216	W	153					12	CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
19	13	21	36.5	2.385	N	128.365	E	100	G	4.8		1.1	29	HALMAHERA, INDONESIA
19	15	00	44.4	26.651	S	114.336	W	10	G	5.3	5.0	0.8	112	EASTER ISLAND REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:00:51.4; Lat 26.69 S; Lon 114.43 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.58, Plg=4, Azm=53; (N) Val=-0.69, Plg=3, Azm=322; (P) Val=-1.89, Plg=85, Azm=193; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=146, Dip=41, Slip=-85; NP2: Strike=320, Dip=49, Slip=-94.
19	15	39	30.6&	43.020	N	0.630	W	6					7	PYRENEES. <STR>. ML 2.7 (STR).
19	15	58	38.8	21.836	S	175.792	W	72	D	5.9		0.9	407	TONGA ISLANDS. Mw 6.0 (GS), 6.0 (HRV). Me 6.1 (GS). Broadband Source Parameters (GS): Dep 63; NP1: Strike=190, Dip=74, Slip=135; NP2: Strike=295, Dip=47, Slip=22; Radiated energy 2.8*10**13 Nm.

													Moment Tensor (GS): Dep 64; Principal axes (scale 10**18 Nm): (T) Val=1.36, Plg=64, Azm=104; (N) Val=-0.06, Plg=6, Azm=1; (P) Val=-1.30, Plg=25, Azm=268; Best double couple: Mo=1.3*10**18 Nm; NP1: Strike=344, Dip=20, Slip=72; NP2: Strike=183, Dip=71, Slip=97.
													Centroid, Moment Tensor (HRV): Centroid origin time 15:58:41.3; Lat 21.92 S; Lon 175.29 W; Dep 65.0; Half-duration 2.5 sec; Principal axes (scale 10**18 Nm): (T) Val=1.14, Plg=64, Azm=96; (N) Val=0.19, Plg=1, Azm=4; (P) Val=-1.33, Plg=26, Azm=274; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=1, Dip=19, Slip=87; NP2: Strike=184, Dip=71, Slip=91.
													Scalar Moment (PPT): Mo=1.3*10**18 Nm.
19	16	27	04.4	40.691	N	27.403	E	5	G		1.0	23	TURKEY. MD 3.6 (ISK).
19	16	41	09.2?	10.69	S	166.04	E	33	N		0.9	6	SANTA CRUZ ISLANDS
19	16	49	53.6	51.547	N	15.966	E	5	G		0.6	20	POLAND. ML 3.9 (GRF), 3.6 (VIE).
19	16	56	46.1	35.517	N	78.286	E	33	N	4.8	1.0	47	EASTERN KASHMIR
19	16	57	40.4	2.909	S	142.178	E	10	G	4.6	1.2	42	NEAR N COAST OF NEW GUINEA, PNG.
19	16	58	06.6*	35.574	N	78.364	E	33	N	4.4	1.3	9	EASTERN KASHMIR
19	17	02	16.4*	51.564	N	16.053	E	5	G		0.6	8	POLAND. ML 3.4 (VIE).
19	17	14	26.3&	32.187	S	71.836	W	21				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
19	17	19	18.4*	35.496	N	78.398	E	33	N	3.8	1.4	10	EASTERN KASHMIR
19	17	58	29.7*	23.483	N	121.700	E	33	N		1.3	12	TAIWAN. Felt (III JMA) at Cheng-kung and (II JMA) at Hua-lien.
19	18	05	26.0*	2.879	S	142.821	E	10	G	3.9	0.8	8	NEAR N COAST OF NEW GUINEA, PNG.
19	18	13	42.0*	48.137	S	31.674	E	10	G	4.9	1.2	44	SOUTH OF AFRICA
19	18	15	09.4*	5.993	S	76.890	W	33	N	4.4	0.9	27	NORTHERN PERU
19	18	15	43.8*	27.716	N	55.272	E	33	N	4.1	1.3	21	SOUTHERN IRAN
19	18	34	45.0&	44.830	N	117.000	W	11				23	OREGON. <BSE-P>. ML 3.2 (BSE), 3.2 (BUT), 3.0 (GS). Felt.
19	18	38	27.3*	13.376	N	51.357	E	10	G		1.1	17	EASTERN GULF OF ADEN
19	19	34	43.3&	53.790	N	164.080	W	31				9	UNIMAK ISLAND REGION. <AEIC>. ML 2.9 (AEIC).
19	19	44	54.0*	2.943	S	142.014	E	10	G	4.4	0.8	7	NEAR N COAST OF NEW GUINEA, PNG.
19	19	57	07.6*	29.435	N	51.938	E	33	N		1.0	13	SOUTHERN IRAN
19	20	00	02.8&	35.840	S	71.636	W	124				10	CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
19	20	06	56.8&	33.159	S	70.285	W	7				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC).
19	20	37	55.3&	34.461	S	70.716	W	99				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
19	20	45	55.9	36.160	S	53.372	E	10	G	4.8	1.0	32	SOUTH INDIAN OCEAN
19	20	47	35.8*	13.480	N	89.773	W	33	N	4.5 4.1	1.2	44	EL SALVADOR
19	20	57	12.7*	22.249	N	125.638	E	33	N	3.8	0.6	7	SOUTHEAST OF TAIWAN
19	21	44	25.7*	2.828	S	142.120	E	10	G	4.3	1.3	9	NEAR N COAST OF NEW GUINEA, PNG.
19	21	57	34.4?	3.28	S	142.19	E	10	G		0.7	5	NEAR N COAST OF NEW GUINEA, PNG.
19	21	58	43.5*	18.310	S	168.178	E	33	N	4.6 4.4	1.1	39	VANUATU ISLANDS
19	22	34	56.4&	32.569	S	71.765	W	15				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
19	23	00	31.0*	2.774	S	142.148	E	10	G	4.2	0.9	16	NEAR N COAST OF NEW GUINEA, PNG.
19	23	12	32.3%	51.708	N	142.419	E	33	N		1.0	14	SAKHALIN ISLAND
19	23	47	44.2&	9.511	N	79.212	W	48				5	PANAMA. <UPA>. MD 4.0 (UPA).
20	00	09	17.6*	4.320	S	152.698	E	33	N	3.9	0.8	12	NEW BRITAIN REGION, P.N.G.
20	00	15	30.8*	2.835	S	141.967	E	10	G	3.5	1.3	7	NEAR N COAST OF NEW GUINEA, PNG.
20	00	48	24.6*	2.815	S	142.078	E	10	G	3.6	1.2	10	NEAR N COAST OF NEW GUINEA, PNG.
20	01	05	58.3	30.134	N	88.173	E	33		5.4 5.4	1.0	314	XIZANG. Mw 5.8 (GS), 5.8 (HRV). Me 5.2 (GS). Felt in the Xigaze area.
													Broadband Source Parameters (GS): Dep 11; NP1: Strike=15, Dip=58, Slip=-90; NP2: Strike=195, Dip=32, Slip=-90; Radiated energy 1.6*10**12 Nm.
													Moment Tensor (GS): Dep 5; Principal axes (scale 10**17 Nm): (T) Val=5.37, Plg=4, Azm=106; (N) Val=-0.30, Plg=14, Azm=197; (P) Val=-5.07, Plg=75, Azm=360; Best double couple: Mo=5.2*10**17 Nm; NP1: Strike=181, Dip=43, Slip=-111; NP2: Strike=29, Dip=51, Slip=-72.
													Centroid, Moment Tensor (HRV): Centroid origin time 01:06:07.0; Lat 29.83 N; Lon 88.47 E; Dep 15.0 Bdy; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=4.71, Plg=13, Azm=280; (N) Val=0.13, Plg=4, Azm=190; (P) Val=-4.84, Plg=76, Azm=84; Best double couple: Mo=4.8*10**17 Nm; NP1: Strike=16, Dip=32, Slip=-83; NP2: Strike=187, Dip=59, Slip=-95.
20	01	07	56.1*	30.435	N	88.191	E	33	N	4.8	0.8	19	XIZANG
20	01	18	14.5	30.202	N	88.055	E	33	N	4.7	1.0	63	XIZANG
20	01	29	18.2*	30.127	N	88.133	E	33	N	4.2	1.4	19	XIZANG
20	01	31	19.1	30.141	N	88.030	E	33	N	4.6	1.3	45	XIZANG
20	01	37	25.7*	30.267	N	88.068	E	33	N	3.8	0.6	7	XIZANG
20	01	48	46.0&	44.830	N	117.000	W	11				37	OREGON. <BSE-P>. ML 3.5 (BSE), 3.6 (BUT), 3.3 (GS). Felt.
20	02	06	36.3&	46.400	N	5.400	E	2				7	FRANCE. <LDG>. ML 1.7 (LDG).
20	02	35	26.6*	30.241	N	87.934	E	33	N	4.1	1.1	16	XIZANG
20	02	42	48.6?	12.66	N	145.64	E	33	N	4.3	0.9	6	SOUTH OF MARIANA ISLANDS
20	02	54	11.3&	63.213	N	150.710	W	137		3.2		30	CENTRAL ALASKA. <AEIC>.
20	03	20	43.6*	63.949	N	19.091	W	10	G	3.7	1.0	8	ICELAND
20	03	27	06.6*	30.213	N	87.980	E	33	N	4.0	1.0	18	XIZANG
20	03	37	41.6	63.703	N	18.911	W	10	G	3.7 3.2	1.0	17	ICELAND
20	03	38	35.0&	44.830	N	117.000	W	11				8	OREGON. <BSE-P>. ML 3.1 (BSE). Felt.
20	03	42	54.8&	36.215	S	71.745	W	60				12	CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
20	04	47	04.7&	48.400	N	3.300	W	2				5	FRANCE. <LDG>. ML 2.6 (LDG).
20	04	51	08.4&	37.546	N	118.812	W	5				18	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.4 (BRK).
20	07	30	01.0&	36.960	N	117.510	W	8				6	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 2.8 (REN).
20	07	38	27.0&	55.567	N	6.467	W	13				13	UNITED KINGDOM. <BGS>. ML 2.4 (BGS).
20	10	16	44.8*	48.874	N	10.312	E	5	G		0.7	8	GERMANY. ML 2.3 (VIE), 2.1 (STR).
20	12	05	28.8*	36.387	N	70.443	E	227	*	4.1	0.7	12	HINDU KUSH REGION, AFGHANISTAN
20	12	31	27.6*	30.293	N	87.925	E	33	N	4.2	0.9	10	XIZANG
20	12	31	28.2&	33.613	N	117.921	W	2				2	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS). Felt at Newport Beach.
20	12	31	54.9*	30.364	N	87.949	E	33	N	4.3	1.2	16	XIZANG
20	12	43	06.0&	33.045	S	70.881	W	70				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).

20	13	33	54.5&	31.781	S	69.830	W	150					10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.3 (GUC).
20	14	02	11.8*	6.756	N	77.452	W	10	G	4.2		1.2	23	NEAR WEST COAST OF COLOMBIA. MD 4.4 (UPA).
20	14	17	05.0*	10.870	N	84.756	W	214	*	4.5		1.3	29	COSTA RICA. MD 4.5 (UPA).
20	14	38	23.1*	37.192	N	70.153	E	100	G	4.1		0.9	10	AFGHANISTAN-TAJIKISTAN BORD REG.
20	15	39	30.8&	16.213	N	98.187	W	8					8	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
20	16	07	09.1*	18.428	S	168.214	E	112	D	3.6		0.6	8	VANUATU ISLANDS
20	16	09	42.2&	53.740	N	163.980	W	18					7	UNIMAK ISLAND REGION. <AEIC>. ML 3.1 (AEIC).
20	16	33	32.4*	42.788	N	13.230	E	10	G			0.7	10	CENTRAL ITALY. ML 3.1 (VIE).
20	16	35	27.1	24.182	N	122.105	E	47	D	4.8	4.5	1.0	39	TAIWAN REGION
20	18	31	54.2	19.933	S	178.062	W	519	*	4.3		0.9	71	FIJI ISLANDS REGION
20	18	53	22.6*	6.597	S	147.597	E	80				0.7	10	EASTERN NEW GUINEA REG., P.N.G.
20	19	54	15.1*	15.953	N	105.318	W	33	N	4.4		1.3	27	OFF COAST OF MICHOACAN, MEXICO
20	20	14	55.2&	40.712	N	36.005	E	10	G	3.6			13	TURKEY. <ISK>. MD 3.7 (ISK).
20	20	54	43.8	21.103	S	175.870	W	62	?	4.6		0.9	34	TONGA ISLANDS
20	21	01	21.0&	44.850	N	117.000	W	12					12	OREGON. <BSE-P>. ML 3.3 (BSE), 3.2 (GS). Felt.
20	21	12	44.8&	59.589	N	153.335	W	109					13	SOUTHERN ALASKA. <AEIC>.
20	21	21	37.3*	2.885	S	142.473	E	10	G	3.4		0.6	8	NEAR N COAST OF NEW GUINEA, PNG.
20	21	26	49.6	2.858	S	142.419	E	10	G	4.1		1.2	22	NEAR N COAST OF NEW GUINEA, PNG.
20	21	39	16.5	5.613	S	147.517	E	187		4.5		0.9	28	EASTERN NEW GUINEA REG., P.N.G.
20	22	14	19.0*	2.839	S	142.441	E	10	G	3.9		1.2	13	NEAR N COAST OF NEW GUINEA, PNG.
20	22	30	48.7*	3.032	S	142.421	E	10	G	4.2		1.1	17	NEAR N COAST OF NEW GUINEA, PNG.
20	23	06	57.6&	34.429	S	70.713	W	103					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
20	23	41	11.0*	30.025	N	88.167	E	33	N	4.0		1.1	11	XIZANG
21	00	23	13.3&	44.340	N	7.312	E	11					9	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
21	01	12	40.4	13.945	S	166.868	E	33	N	4.6		1.1	88	VANUATU ISLANDS
21	01	13	03.3&	30.785	S	71.667	W	4					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
21	02	05	39.8*	46.205	N	13.656	E	10	G			1.0	8	AUSTRIA. ML 2.2 (VIE), 1.7 (LJU).
21	02	20	53.7	6.055	S	130.536	E	120	*	4.3		1.1	26	BANDA SEA
21	02	48	03.0*	30.862	S	179.626	E	500	G	4.2		0.9	16	KERMADEC ISLANDS REGION
21	03	00	01.6&	58.070	N	156.430	W	0					6	ALASKA PENINSULA. <AEIC>. ML 2.5 (AEIC).
21	03	14	11.1*	37.250	N	141.328	E	33	N	4.3		1.1	17	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in eastern Fukushima and western Tochigi; (I JMA) in Ibaraki and parts of Fukushima, Gumma and Tochigi Prefectures.
21	04	28	44.9&	54.410	N	161.410	W	16					14	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
21	04	34	48.3&	33.875	S	70.536	W	88					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
21	04	36	48.0*	36.595	N	72.790	E	100	G	4.0		0.9	15	AFGHANISTAN-TAJIKISTAN BORD REG.
21	05	02	36.0*	39.905	N	143.412	E	27	D	4.1		1.1	17	OFF EAST COAST OF HONSHU, JAPAN
21	06	31	31.5&	31.834	S	69.667	W	155					10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.3 (GUC).
21	06	41	16.2	21.463	S	68.641	W	114	D	4.5		0.9	24	CHILE-BOLIVIA BORDER REGION
21	07	02	32.2&	62.801	N	149.648	W	76					56	CENTRAL ALASKA. <AEIC>.
21	07	17	01.4&	55.100	N	3.630	W	12					8	UNITED KINGDOM. <BGS>. ML 2.0 (BGS). Felt (III) at Locharbriggs and Tinwald.
21	07	26	42.9*	21.611	S	176.507	W	108	?	4.4		1.2	38	FIJI ISLANDS REGION
21	07	29	21.1*	47.665	N	28.094	W	10	G	4.1		1.3	17	NORTHERN MID-ATLANTIC RIDGE
21	07	33	51.4?	21.63	S	179.92	W	600	G	4.0		1.0	20	FIJI ISLANDS REGION
21	08	03	30.3&	59.880	N	153.133	W	123					112	SOUTHERN ALASKA. <AEIC>.
21	08	06	35.9&	34.407	N	116.490	W	2					27	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
21	08	38	49.8&	40.625	N	122.405	W	23		4.5			73	NORTHERN CALIFORNIA. <GM-P>. Mw 4.5 (BRK). ML 4.5 (GM), 4.6 (BRK). Felt strongly in the Redding area. Moment Tensor (BRK): Dep 24; Principal axes (scale 10**15 Nm): (T) Val=6.04, Plg=54, Azm=283; (N) Val=0.00, Plg=14, Azm=33; (P) Val=-6.04, Plg=33, Azm=132; Best double couple: Mo=6.0*10**15 Nm; NP1: Strike=30, Dip=79, Slip=76; NP2: Strike=263, Dip=18, Slip=141.
21	08	58	52.7	9.491	N	83.092	W	33	N			1.2	9	COSTA RICA. MD 4.0 (UPA).
21	09	01	04.5*	32.178	N	142.029	E	33	N			1.1	10	SOUTH OF HONSHU, JAPAN
21	09	01	41.1	2.992	S	142.400	E	10	G	3.9		0.9	20	NEAR N COAST OF NEW GUINEA, PNG.
21	09	23	55.6&	33.490	S	70.283	W	107					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
21	09	42	36.8*	9.222	N	126.688	E	33	N	4.4		0.9	19	MINDANAO, PHILIPPINE ISLANDS
21	09	48	35.2*	2.920	S	142.432	E	10	G	3.3		1.1	7	NEAR N COAST OF NEW GUINEA, PNG.
21	10	59	42.6*	64.881	N	162.320	W	10	G			0.7	6	NORTHERN ALASKA. ML 4.0 (PMR). Felt (IV) at Elim.
21	11	01	53.6*	31.896	N	141.080	E	33	N	4.0		0.6	8	SOUTH OF HONSHU, JAPAN
21	11	42	08.8&	16.538	N	94.309	W	100					19	OAXACA, MEXICO. <UNM>. MD 4.3 (UNM).
21	12	59	56.1&	11.045	N	60.940	W	10					6	WINDWARD ISLANDS. <TRN>. MD 2.8 (TRN).
21	13	37	42.8&	33.145	S	70.302	W	8					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
21	14	38	27.2&	33.391	S	71.687	W	28					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
21	14	40	44.6	30.375	N	88.192	E	16	D	5.0	4.5	1.1	116	XIZANG. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:40:54.2; Lat 29.93 N; Lon 88.50 E; Dep 15.7 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.54, Plg=2, Azm=304; (N) Val=1.92, Plg=0, Azm=34; (P) Val=-5.46, Plg=88, Azm=124; Best double couple: Mo=4.5*10**16 Nm; NP1: Strike=34, Dip=43, Slip=-90; NP2: Strike=214, Dip=47, Slip=-90.
21	15	19	33.4	34.415	N	24.747	E	33	N	4.7	4.3	1.1	201	CRETE
21	15	28	45.1&	33.664	S	70.421	W	99					14	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.9 (GUC).
21	15	42	58.9&	34.550	S	70.570	W	124					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
21	16	21	28.5	34.401	N	24.873	E	33	N	4.2		1.0	24	CRETE
21	16	29	51.3	2.872	S	142.457	E	10	G	4.4		0.9	33	NEAR N COAST OF NEW GUINEA, PNG.
21	16	48	46.2?	30.43	N	87.96	E	33	N	4.0		0.9	7	XIZANG
21	17	23	20.8	30.111	N	131.909	E	29	D	4.6	3.7	0.9	38	KYUSHU, JAPAN
21	18	43	04.5*	14.893	S	178.223	W	432	?	3.9		1.0	36	FIJI ISLANDS REGION
21	20	00	48.3&	30.711	S	121.432	E	10	G			0.2	5	WESTERN AUSTRALIA
21	20	07	13.3&	16.712	N	99.728	W	5					6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.7 (UNM).
21	20	11	58.4&	62.608	N	149.179	W	72					29	CENTRAL ALASKA. <AEIC>.
21	20	50	33.0*	2.002	N	127.015	E	33	N	4.4		1.2	16	NORTHERN MOLUCCA SEA
21	21	01	40.8&	31.417	S	69.815	W	167					12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.4 (GUC).
21	21	40	43.9&	32.977	N	115.536	W	8					4	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.0 (PAS). MD 3.6 (ECX). Felt at Brawley, California.
21	22	14	53.2	27.262	N	140.256	E	378	*	4.4		0.9	42	BONIN ISLANDS REGION
21	22	29	58.9&	44.457	N	7.242	E	10					6	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
21	23	07	35.6*	17.277	N	101.211	W	33	N	3.5		0.9	15	NEAR COAST OF GUERRERO, MEXICO. MD 4.2 (UNM).
21	23	13	31.0&	44.830	N	117.000	W	11					26	OREGON. <BSE-P>. ML 3.3 (BSE), 3.2 (GS). MD 3.1 (SEA). Felt.

22	00	00	58.4&	15.652	N	96.445	W	55				9	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.4 (UNM).
22	00	34	23.4&	59.682	N	153.579	W	114				54	SOUTHERN ALASKA. <AEIC>.
22	01	56	59.0&	54.300	N	162.770	W	0				8	ALASKA PENINSULA. <AEIC>. ML 2.9 (AEIC).
22	02	22	33.5	0.061	N	123.357	E	162		4.9	1.0	125	MINAHASSA PENINSULA, SULAWESI. Mw 5.2 (HRV). Felt (III) at Gorontalo. Centroid, Moment Tensor (HRV): Centroid origin time 02:22:33.8; Lat 0.12 N; Lon 124.06 E; Dep 159.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.13, Plg=69, Azm=270; (N) Val=1.36, Plg=0, Azm=180; (P) Val=-8.49, Plg=21, Azm=90; Best double couple: Mo=7.8*10**16 Nm; NP1: Strike=180, Dip=24, Slip=90; NP2: Strike=0, Dip=66, Slip=90.
22	03	38	36.1&	61.081	N	151.562	W	82				78	SOUTHERN ALASKA. <AEIC>.
22	04	25	21.2	9.399	S	157.840	E	33	N	4.8 4.8	1.1	36	SOLOMON ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:25:22.6; Lat 9.41 S; Lon 157.91 E; Dep 31.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.52, Plg=12, Azm=139; (N) Val=-0.09, Plg=74, Azm=279; (P) Val=-7.43, Plg=10, Azm=47; Best double couple: Mo=7.5*10**16 Nm; NP1: Strike=183, Dip=74, Slip=178; NP2: Strike=273, Dip=88, Slip=16.
22	05	24	13.6	14.503	N	92.463	W	68	D	4.3	1.0	32	NEAR COAST OF CHIAPAS, MEXICO. MD 4.7 (UNM).
22	06	07	07.3*	9.383	S	158.008	E	33	N	4.1	0.8	13	SOLOMON ISLANDS
22	06	30	50.4*	2.908	S	142.193	E	10	G	4.4	1.1	24	NEAR N COAST OF NEW GUINEA, PNG.
22	06	50	50.9&	31.480	S	69.947	W	166				14	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.6 (GUC).
22	06	58	36.6	16.346	N	46.656	W	10	G	4.8 4.3	0.9	43	NORTHERN MID-ATLANTIC RIDGE
22	07	05	09.5*	41.457	N	20.420	E	10	G	3.8	0.9	29	ALBANIA
22	07	22	48.6*	2.896	S	141.728	E	10	G	3.5	0.4	6	NEAR N COAST OF NEW GUINEA, PNG.
22	07	31	35.3	2.699	S	141.901	E	10	G	3.9	0.7	17	NEAR N COAST OF NEW GUINEA, PNG.
22	07	36	12.2*	9.330	S	157.848	E	33	N	4.3	1.2	17	SOLOMON ISLANDS
22	07	41	14.7&	37.547	N	118.828	W	1				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
22	07	53	03.7	36.149	N	35.855	E	10	G		0.9	6	TURKEY. MD 3.6 (ISK).
22	08	22	19.7&	40.493	N	29.348	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
22	08	42	55.4*	22.814	S	66.737	W	213	*	4.5	1.1	23	JUJUY PROVINCE, ARGENTINA
22	08	57	37.0&	36.930	N	117.550	W	7				10	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 3.0 (REN).
22	09	21	18.8	3.038	S	141.786	E	10	G	4.5 4.5	1.2	40	NEW GUINEA, PAPUA NEW GUINEA
22	09	45	40.3?	18.78	S	177.65	W	571	?	4.2	1.0	21	FIJI ISLANDS REGION
22	10	09	52.0	3.096	S	141.742	E	10	G	4.8 4.4	1.0	59	NEW GUINEA, PAPUA NEW GUINEA
22	10	23	01.9	2.931	S	141.828	E	10	G	4.2	0.7	20	NEAR N COAST OF NEW GUINEA, PNG.
22	10	36	39.2	2.917	S	141.872	E	10	G	4.0	0.8	16	NEAR N COAST OF NEW GUINEA, PNG.
22	11	01	07.3	7.000	S	106.843	E	93	D	4.8	1.0	48	JAWA, INDONESIA
22	11	35	28.1*	3.019	S	141.847	E	10	G	3.7	1.0	7	NEW GUINEA, PAPUA NEW GUINEA
22	11	40	43.5&	38.797	N	122.780	W	5				17	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.2 (BRK), 3.2 (GS).
22	11	44	30.3*	9.506	S	158.008	E	33	N	4.0	1.2	13	SOLOMON ISLANDS
22	12	18	50.0	47.452	N	153.374	E	102	D	4.6	1.0	56	KURIL ISLANDS
22	12	21	59.6&	54.050	N	163.500	W	26				9	UNIMAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
22	12	44	05.1	36.043	N	20.655	E	33	N		0.4	14	CENTRAL MEDITERRANEAN SEA
22	12	44	51.3	2.811	S	141.994	E	10	G	3.9	0.8	12	NEAR N COAST OF NEW GUINEA, PNG.
22	13	25	58.0?	41.48	N	144.12	E	33	N	4.4	1.7	8	HOKKAIDO, JAPAN REGION
22	13	34	10.1*	7.634	N	126.884	E	84	*	4.3	0.9	19	MINDANAO, PHILIPPINE ISLANDS
22	13	55	47.2&	11.897	N	43.414	E	3				7	ETHIOPIA. <ARO>. ML 4.1 (ARO).
22	15	37	34.0&	44.120	N	7.137	E	10				9	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
22	16	17	21.9&	33.217	S	72.277	W	33	N			13	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
22	16	21	27.8	12.113	N	60.738	W	78		5.0	0.9	70	WINDWARD ISLANDS. MD 4.8 (TRN).
22	17	20	45.9	23.530	S	70.705	W	31	D	4.4	0.9	28	NEAR COAST OF NORTHERN CHILE. Felt (III) at Antofagasta and Calama.
22	18	51	10.0	18.121	S	168.959	E	235	*	4.6	1.1	83	VANUATU ISLANDS
22	18	54	19.1&	37.059	N	121.495	W	5				5	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK).
22	19	51	47.5*	51.610	N	7.875	E	10	G		1.5	9	GERMANY. ML 3.1 (CLL), 2.8 (UCC), 2.6 (STR).
22	21	24	50.1?	35.96	N	22.11	E	33	N	3.4	1.5	15	CENTRAL MEDITERRANEAN SEA
22	21	40	42.4&	11.884	N	43.439	E	3				6	ETHIOPIA. <ARO>. ML 3.9 (ARO).
22	21	48	44.1	35.876	N	22.805	E	33	N	3.7	1.1	17	CENTRAL MEDITERRANEAN SEA
22	22	11	57.0&	37.650	N	90.200	W	18				9	EASTERN MISSOURI. <TEIC>. mbLg 2.7 (TEIC), 2.7 (GS).
22	22	42	47.7	2.994	S	142.254	E	10	G	4.3 4.4	1.0	24	NEAR N COAST OF NEW GUINEA, PNG.
22	23	20	52.0*	35.869	N	22.196	E	33	N	3.8	1.0	14	CENTRAL MEDITERRANEAN SEA
23	00	15	51.3&	55.090	N	3.620	W	8				4	UNITED KINGDOM. <BGS>. ML 1.4 (BGS). Felt (III) at Tinwald.
23	00	58	24.9*	2.925	S	141.995	E	10	G	3.8	1.2	8	NEAR N COAST OF NEW GUINEA, PNG.
23	01	05	53.4&	40.790	N	27.432	E	13				7	TURKEY. <ISK>. MD 2.9 (ISK).
23	01	32	37.3?	45.85	N	15.02	E	10	G		0.1	4	NORTHWESTERN BALKAN REGION. ML 0.7 (LJU).
23	01	36	48.0&	32.023	S	71.571	W	23				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
23	01	49	17.0*	23.308	S	131.448	E	33	N		1.3	5	NORTHERN TERRITORY, AUSTRALIA
23	03	17	07.8?	17.15	S	178.95	W	550	G	4.0	1.0	11	FIJI ISLANDS REGION
23	03	37	33.2	37.167	N	21.207	E	33	N	4.0	1.0	52	SOUTHERN GREECE. ML 4.2 (ROM).
23	03	57	47.5&	33.181	S	70.657	W	84				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
23	04	14	38.4	23.446	S	70.870	W	33	N	4.3	0.9	17	NEAR COAST OF NORTHERN CHILE
23	04	19	59.7?	36.39	S	52.48	E	10	G		0.7	8	SOUTHWEST INDIAN RIDGE
23	04	56	09.2?	7.41	N	72.96	W	100	G	3.8	1.0	9	NORTHERN COLOMBIA
23	05	53	28.8	57.850	N	143.022	W	10	G		0.7	42	GULF OF ALASKA. ML 3.1 (AEIC).
23	06	00	55.5&	31.585	S	70.066	W	142				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
23	06	12	57.4&	64.029	N	149.529	W	144				24	CENTRAL ALASKA. <AEIC>.
23	06	36	37.8	11.162	N	60.654	W	10	G	4.4	0.9	26	WINDWARD ISLANDS. MD 4.5 (TRN).
23	06	53	38.1*	29.319	S	69.716	W	173	D	3.7	1.3	21	CHILE-ARGENTINA BORDER REGION
23	07	12	35.4?	33.72	S	178.82	W	33	N		1.5	11	SOUTH OF KERMADEC ISLANDS
23	07	47	56.5*	26.632	S	178.224	E	627	D	4.6	1.0	36	SOUTH OF FIJI ISLANDS
23	09	18	27.2*	46.197	N	14.662	E	10	G		1.0	5	NORTHWESTERN BALKAN REGION. ML 1.2 (LJU).
23	10	03	13.9&	39.135	N	27.654	E	5				5	TURKEY. <ISK>. MD 2.7 (ISK).
23	10	30	43.2&	63.282	N	151.349	W	8				34	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.1 (PMR).
23	10	46	01.8?	23.64	S	179.76	E	500	G	4.2	1.2	18	SOUTH OF FIJI ISLANDS
23	10	54	37.2*	30.367	N	88.198	E	33	N	3.8	1.5	13	XIZANG
23	10	58	35.3*	42.569	N	143.733	E	100	G	3.9	0.6	9	HOKKAIDO, JAPAN REGION
23	11	07	24.4*	31.618	N	132.042	E	10	G	4.5	1.5	17	SOUTHEAST OF SHIKOKU, JAPAN
23	11	14	45.2*	15.290	S	168.035	E	33	N	4.3 4.3	1 3	16	VANUATU ISLANDS

23	11	26	03.1	30.368	N	138.363	E	418	D	5.0		0.8	219	SOUTH OF HONSHU, JAPAN. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:26:06.2; Lat 30.50 N; Lon 138.84 E; Dep 404.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.80, Plg=28, Azm=31; (N) Val=1.56, Plg=13, Azm=128; (P) Val=-6.36, Plg=59, Azm=241; Best double couple: Mo=5.6*10**16 Nm; NP1: Strike=90, Dip=21, Slip=-130; NP2: Strike=312, Dip=74, Slip=-76.
23	12	02	35.8	39.504	N	15.916	E	261		3.6		1.1	29	SOUTHERN ITALY
23	12	06	25.2&	58.074	N	156.424	W	2					27	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
23	12	29	17.1	47.662	N	14.410	E	10	G			0.7	11	AUSTRIA. ML 3.1 (VIE). Felt (IV) at Liezen.
23	12	30	07.8*	18.035	N	81.946	W	30	D	4.1		1.1	15	CARIBBEAN SEA
23	13	07	52.3&	44.750	N	3.230	E	2	G				5	FRANCE. <STR>. ML 2.8 (STR).
23	13	36	19.7&	40.254	N	29.432	E	7					6	TURKEY. <ISK>. MD 2.8 (ISK).
23	14	01	46.3	2.878	S	142.498	E	10	G	4.0		1.1	21	NEAR N COAST OF NEW GUINEA, PNG.
23	14	35	20.9&	44.719	N	7.626	E	10	G			0.6	12	NORTHERN ITALY. ML 2.3 (GEN).
23	15	18	05.1*	32.488	N	140.015	E	135	*	4.2		0.8	17	SOUTH OF HONSHU, JAPAN. Felt (I JMA) on Hachijo-jima.
23	15	23	05.8&	61.379	N	146.688	W	13					59	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
23	15	38	01.0&	44.278	N	7.326	E	15					6	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
23	15	57	36.4&	45.600	N	2.600	E	2					12	FRANCE. <LDG>. ML 2.5 (LDG), 2.1 (STR).
23	16	07	13.4&	44.492	N	7.273	E	13					5	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
23	16	15	06.1&	60.358	N	153.558	W	169					70	SOUTHERN ALASKA. <AEIC>.
23	16	27	07.9	1.899	S	133.103	E	33	N	4.5	3.8	1.4	26	IRIAN JAYA REGION, INDONESIA
23	17	02	05.6&	31.858	S	67.905	W	253					10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 4.1 (GUC).
23	17	03	50.1&	37.539	N	118.814	W	5					7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
23	17	14	17.0*	54.821	N	110.410	E	33	N	4.2		1.3	10	LAKE BAYKAL REGION, RUSSIA. Felt (II) in the epicentral area.
23	18	15	59.8*	23.962	N	141.800	E	77	D	4.4		1.1	17	VOLCANO ISLANDS REGION
23	20	45	47.0&	32.498	S	71.829	W	7					13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC).
23	20	55	52.5*	8.180	S	123.336	E	211	*	4.2		0.9	14	FLORES REGION, INDONESIA
23	21	12	12.3	47.269	N	9.533	E	5	G			0.6	14	GERMANY. ML 3.0 (GRF), 2.8 (VIE), 2.5 (LDG).
23	21	26	28.3?	5.30	S	147.19	E	180	*	4.6		1.1	18	EASTERN NEW GUINEA REG., P.N.G.
23	21	38	14.6&	56.150	N	3.710	W	1					4	UNITED KINGDOM. <BGS>. ML 1.6 (BGS). Felt (III) in the epicentral area.
23	23	18	47.6	8.860	N	83.231	W	10	G			1.3	17	COSTA RICA. MD 4.1 (UPA).
23	23	21	26.0*	50.758	N	16.111	E	5	G			1.0	6	POLAND. ML 3.0 (VIE).
23	23	32	28.4&	11.061	N	61.667	W	3					4	WINDWARD ISLANDS. <TRN>. MD 3.0 (TRN).
24	01	31	28.9&	32.479	S	71.593	W	45					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
24	01	53	44.6?	11.55	N	143.37	E	47	D			1.3	7	SOUTH OF MARIANA ISLANDS
24	02	02	44.6	17.018	N	119.647	E	33	N	4.4		0.7	20	PHILIPPINE ISLANDS REGION
24	02	04	11.1*	16.984	N	119.935	E	33	N	4.6		1.3	24	LUZON, PHILIPPINE ISLANDS
24	02	36	28.5*	11.586	N	143.253	E	33	N	4.3		1.2	12	SOUTH OF MARIANA ISLANDS
24	03	34	10.9	46.269	N	13.708	E	10	G			1.1	14	AUSTRIA. ML 2.8 (VIE), 2.3 (LJU).
24	03	42	44.9&	31.272	S	72.101	W	10					8	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
24	03	55	40.5&	16.344	N	98.040	W	18		4.1			49	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.4 (UNM).
24	04	26	39.4&	15.799	N	97.972	W	10	G			1.2	7	NEAR COAST OF OAXACA, MEXICO. MD 4.0 (UNM).
24	04	29	01.4	43.333	N	146.139	E	67	D	4.6		1.0	25	KURIL ISLANDS. Felt (I JMA) in eastern Hokkaido.
24	05	15	22.8*	1.381	N	99.086	E	95	*			1.0	15	NORTHERN SUMATERA, INDONESIA
24	05	27	59.1&	9.446	N	82.372	W	11					9	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.9 (UPA).
24	05	43	08.2&	44.456	N	7.254	E	7					5	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
24	06	18	34.6*	18.666	S	69.274	W	150	G			1.5	8	NORTHERN CHILE
24	06	28	25.3&	9.424	N	82.299	W	4					10	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.0 (UPA).
24	06	33	11.9*	5.533	N	124.116	E	550	G	4.0		0.7	10	MINDANAO, PHILIPPINE ISLANDS
24	06	36	19.7?	2.69	N	66.50	E	10	G	4.0		0.8	10	CARLSBERG RIDGE
24	07	47	39.6	34.958	N	87.573	E	33	N	4.4		0.8	19	XIZANG
24	08	31	44.4&	34.523	S	70.789	W	108					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
24	09	14	42.0&	42.060	N	112.840	W	6					13	EASTERN IDAHO. <SLC-P>. ML 3.4 (SLC). Double event.
24	09	52	29.0&	43.554	N	7.555	E	9					8	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.1 (GEN).
24	10	51	45.7	1.390	N	120.411	E	50	D	4.9		1.0	43	MINAHASSA PENINSULA, SULAWESI. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:51:50.1; Lat 1.80 N; Lon 120.99 E; Dep 38.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.87, Plg=13, Azm=131; (N) Val=-0.91, Plg=68, Azm=5; (P) Val=-3.95, Plg=17, Azm=225; Best double couple: Mo=4.4*10**16 Nm; NP1: Strike=268, Dip=69, Slip=-3; NP2: Strike=359, Dip=87, Slip=-159.
24	10	55	39.8*	52.382	N	159.539	E	70	D	3.8		1.4	13	OFF EAST COAST OF KAMCHATKA
24	11	10	09.6*	2.105	N	121.865	E	33	N	4.2		1.1	15	CELEBES SEA
24	11	16	24.5&	31.433	S	71.984	W	22					8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
24	11	36	46.8	28.203	N	57.373	E	23	D	4.6		1.1	33	SOUTHERN IRAN
24	12	18	24.5&	63.240	N	151.396	W	4					7	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.8 (PMR).
24	12	53	49.9*	2.882	S	142.467	E	10	G			1.1	9	NEAR N COAST OF NEW GUINEA, PNG.
24	13	31	47.2&	33.608	S	70.276	W	109					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
24	13	44	56.7?	20.20	S	177.90	W	500	G	4.0		0.9	11	FIJI ISLANDS REGION
24	14	10	23.7&	44.416	N	7.050	E	12					5	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
24	14	17	50.6&	16.326	N	99.681	W	5					4	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.4 (UNM).
24	14	45	09.3*	1.425	S	99.386	E	33	N			0.6	11	SOUTHERN SUMATERA, INDONESIA
24	15	05	33.3&	38.950	N	28.205	E	5					4	TURKEY. <ISK>. MD 2.7 (ISK).
24	15	07	56.8&	43.810	N	7.570	E	10					23	NEAR SOUTH COAST OF FRANCE. <STR>. ML 2.3 (LDG), 2.3 (GEN), 1.9 (STR).
24	15	35	45.7&	29.760	S	71.822	W	33	N				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
24	16	24	27.7&	39.260	N	27.832	E	5					4	TURKEY. <ISK>. MD 2.7 (ISK).
24	16	59	47.8&	15.595	N	96.769	W	43					26	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.3 (UNM).
24	17	02	04.3*	31.891	S	67.018	W	126	*			1.1	7	SAN JUAN PROVINCE, ARGENTINA
24	17	11	54.4	2.820	S	142.137	E	10	G	5.0	4.7	1.1	82	NEAR N COAST OF NEW GUINEA, PNG. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:12:00.8; Lat 2.48 S; Lon 142.34 E; Dep 31.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.37, Plg=31, Azm=137; (N) Val=-1.48, Plg=37, Azm=254; (P) Val=-5.88, Plg=38, Azm=19; Best double couple: Mo=6.6*10**16 Nm; NP1: Strike=171, Dip=37, Slip=-174; NP2: Strike=77, Dip=86, Slip=-53.
24	17	18	36.7?	21.73	S	175.02	W	150	G	4.1		1.4	13	TONGA ISLANDS
24	17	25	13.2?	36.54	N	71.02	E	199	?	3.5		0.8	7	AFGHANISTAN-TAJIKISTAN BORD REG.

24	18 24 05.1	2.879	S	142.092	E	10	G	4.3		1.0	32	NEAR N COAST OF NEW GUINEA, PNG.
24	18 44 04.4	21.254	N	122.019	E	33	N	5.6	5.9	1.5	266	TAIWAN REGION. Mw 6.1 (GS), 6.1 (HRV). Me 6.4 (GS). Broadband Source Parameters (GS): NP1: Strike=150, Dip=85, Slip=-5; NP2: Strike=240, Dip=85, Slip=-175; Radiated energy 8.3*10**13 Nm. Moment Tensor (GS): Dep 34; Principal axes (scale 10**18 Nm): (T) Val=1.76, Plg=6, Azm=20; (N) Val=0.15, Plg=83, Azm=228; (P) Val=-1.90, Plg=3, Azm=110; Best double couple: Mo=1.8*10**18 Nm; NP1: Strike=155, Dip=84, Slip=2; NP2: Strike=65, Dip=88, Slip=174. Centroid, Moment Tensor (HRV): Centroid origin time 18:44:05.1; Lat 21.43 N; Lon 121.79 E; Dep 24.4; Half-duration 2.9 sec; Principal axes (scale 10**18 Nm): (T) Val=1.83, Plg=2, Azm=26; (N) Val=-0.19, Plg=74, Azm=288; (P) Val=-1.64, Plg=16, Azm=117; Best double couple: Mo=1.7*10**18 Nm; NP1: Strike=160, Dip=77, Slip=-10; NP2: Strike=252, Dip=81, Slip=-167.
24	18 51 41.2&	33.176	N	116.570	W	13					12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS). MD 3.8 (ECX). Felt in the Escondido area and as far as San Diego.
24	19 06 54.3&	30.194	S	70.540	W	105					7	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
24	19 19 37.5	3.017	S	142.463	E	10	G			0.6	8	NEAR N COAST OF NEW GUINEA, PNG.
24	19 22 33.7*	3.063	S	141.948	E	10	G			1.2	8	NEW GUINEA, PAPUA NEW GUINEA
24	19 22 57.9*	21.582	N	122.096	E	33	N	4.1		0.9	7	TAIWAN REGION
24	20 39 59.0*	3.445	S	146.448	E	33	N	4.0		1.0	11	BISMARCK SEA
24	20 58 22.0*	32.958	S	68.382	W	10	G			0.9	12	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (GUC).
24	21 28 12.1&	30.935	S	71.789	W	18					8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
24	21 33 46.9&	31.317	S	69.329	W	200					10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.2 (GUC).
24	21 46 51.9*	27.356	N	103.484	E	33	N	4.3		0.9	7	YUNNAN, CHINA. ML 3.7 (BJI).
24	22 53 51.6&	16.588	N	98.343	W	26					6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
24	23 12 18.5	48.836	N	131.091	E	33	N	4.3		1.4	21	E. RUSSIA-N.E. CHINA BORDER REG. Felt (V) at Kuldur, Russia.
24	23 19 42.1&	32.287	S	69.968	W	146					8	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.5 (GUC).
24	23 19 42.5*	48.888	N	131.100	E	33	N	4.5		1.3	14	E. RUSSIA-N.E. CHINA BORDER REG.
24	23 58 28.0*	2.779	S	142.359	E	10	G	4.9		0.7	5	NEAR N COAST OF NEW GUINEA, PNG.
25	00 11 49.4	40.541	N	1.691	W	10	G	4.3		1.4	59	SPAIN. ML 4.2 (LDG), 4.2 (STR). mbLg 3.7 (MDD). Felt (IV) at Bronchales, Griegos, Noguera, Orihuela del Tremedal and Tramacastilla.
25	00 15 17.1&	40.490	N	1.680	W	7					39	SPAIN. <MDD>. ML 3.5 (LDG). mbLg 3.4 (MDD). Felt (III) at Bronchales, Griegos, Noguera, Orihuela del Tremedal and Tramacastilla.
25	00 41 00.5&	31.452	S	70.491	W	150					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
25	01 06 43.4&	32.763	S	70.593	W	44					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
25	01 44 40.4*	13.380	S	111.743	W	10	G	4.5	4.6	0.9	27	CENTRAL EAST PACIFIC RISE
25	01 54 10.3	0.900	S	122.461	E	33	N	4.4		1.0	25	MINAHASSA PENINSULA, SULAWESI
25	02 27 23.7?	13.97	N	145.68	E	102	*			0.9	9	MARIANA ISLANDS
25	02 39 23.3	13.608	S	166.867	E	44	D	5.9	6.0	1.1	268	VANUATU ISLANDS. Mw 6.3 (GS), 6.3 (HRV). Me 6.1 (GS). Ms 6.2 (BRK). Broadband Source Parameters (GS): Dep 40; NP1: Strike=195, Dip=55, Slip=105; NP2: Strike=350, Dip=38, Slip=70; Radiated energy 3.7*10**13 Nm. Moment Tensor (GS): Dep 41; Principal axes (scale 10**18 Nm): (T) Val=2.90, Plg=78, Azm=130; (N) Val=0.01, Plg=6, Azm=11; (P) Val=-2.90, Plg=10, Azm=280; Best double couple: Mo=2.9*10**18 Nm; NP1: Strike=3, Dip=35, Slip=80; NP2: Strike=195, Dip=56, Slip=97. Centroid, Moment Tensor (HRV): Centroid origin time 02:39:31.8; Lat 13.48 S; Lon 166.48 E; Dep 50.0 Bdy; Half-duration 3.3 sec; Principal axes (scale 10**18 Nm): (T) Val=2.54, Plg=81, Azm=131; (N) Val=0.31, Plg=4, Azm=12; (P) Val=-2.85, Plg=8, Azm=281; Best double couple: Mo=2.7*10**18 Nm; NP1: Strike=6, Dip=38, Slip=83; NP2: Strike=195, Dip=53, Slip=95.
25	02 42 21.0&	40.640	N	122.406	W	25					8	NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.2 (BRK).
25	02 44 32.2&	15.911	N	99.309	W	6					19	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
25	03 17 07.8&	33.015	S	68.455	W	4					9	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.6 (GUC).
25	03 24 14.4*	2.867	S	142.188	E	10	G	3.3		0.6	8	NEAR N COAST OF NEW GUINEA, PNG.
25	04 27 52.9?	7.42	S	146.22	E	33	N	3.6		0.3	6	EASTERN NEW GUINEA REG., P.N.G.
25	05 10 04.2*	30.664	S	178.766	W	33	N	4.7		1.4	29	KERMADEC ISLANDS, NEW ZEALAND
25	05 10 58.9&	39.123	S	174.666	E	10	G			0.3	9	NORTH ISLAND, NEW ZEALAND. ML 3.9 (WEL).
25	05 55 53.9*	15.103	S	172.993	W	66	D	4.4		1.1	64	SAMOA ISLANDS REGION
25	06 27 38.6&	33.418	S	71.649	W	37					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
25	06 59 15.5	7.140	S	128.351	E	33	N	4.9		1.4	54	BANDA SEA
25	07 00 14.5	34.613	N	25.717	E	33	N	4.1	3.6	1.3	54	CRETE
25	07 41 44.2&	31.027	S	71.825	W	6					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
25	08 06 14.7	6.465	N	124.624	E	417	*	4.2		1.0	45	MINDANAO, PHILIPPINE ISLANDS
25	09 07 51.4&	61.549	N	149.905	W	46					36	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
25	09 29 45.1&	44.528	N	7.027	E	6					18	NORTHERN ITALY. <GEN>. ML 2.4 (GEN), 2.2 (LDG).
25	09 42 26.8&	36.195	S	71.998	W	10					10	CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
25	09 52 34.0*	52.149	S	15.309	E	10	G	5.0	5.1	0.7	13	SOUTHWEST OF AFRICA
25	09 54 07.2*	8.859	S	108.125	W	10	G	4.7	4.5	0.8	50	CENTRAL EAST PACIFIC RISE
25	10 00 34.9?	8.40	S	107.94	W	10	G	4.3		0.8	12	CENTRAL EAST PACIFIC RISE
25	10 27 51.8&	32.069	S	71.729	W	15					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
25	11 37 03.8&	40.536	N	76.533	E	33	N			1.2	7	KYRGYZSTAN-XINJIANG BORDER REG.
25	11 45 41.0&	31.461	S	69.839	W	158					10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.3 (GUC).
25	11 51 25.8?	19.80	S	177.71	W	600	G	4.2		1.4	15	FIJI ISLANDS REGION
25	12 49 06.3*	13.636	S	166.545	E	33	N	4.3		1.2	15	VANUATU ISLANDS
25	15 07 18.9*	51.481	N	16.174	E	5	G			0.4	6	POLAND. ML 2.6 (WAR).
25	15 09 38.4*	11.676	N	143.706	E	33	N	4.4		1.2	7	SOUTH OF MARIANA ISLANDS
25	15 35 24.2*	13.059	N	145.108	E	78	*	4.3		1.1	24	MARIANA ISLANDS
25	16 11 12.9&	16.054	N	98.289	W	5					11	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
25	16 55 31.9	2.970	S	142.743	E	10	G	4.6		0.9	23	NEAR N COAST OF NEW GUINEA, PNG.
25	16 55 39.9	12.343	N	142.637	E	33	N	4.7	4.7	1.4	45	SOUTH OF MARIANA ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:55:38.4; Lat 12.34 N; Lon 142.66 E; Dep 24.1; Half-

duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.31, Plg=14, Azm=328; (N) Val=-2.05, Plg=63, Azm=87; (P) Val=-7.26, Plg=22, Azm=233; Best double couple: Mo=8.3*10**16 Nm; NP1: Strike=12, Dip=64, Slip=-173; NP2: Strike=279, Dip=84, Slip=-26.

25	17	36	50.2	2.743	S	142.062	E	10	G	4.6	0.9	20	NEAR N COAST OF NEW GUINEA, PNG.
25	18	44	35.2*	12.000	N	142.911	E	33	N	4.2	1.3	10	SOUTH OF MARIANA ISLANDS
25	19	05	51.2*	36.047	S	72.614	W	33	N		1.0	15	NEAR COAST OF CENTRAL CHILE. MD 4.4 (GUC). Felt (V) at Cauquenes; (IV) at Parral and Retiro; (III) at San Javier.
25	19	20	33.1&	60.874	N	146.899	W	22				36	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
25	20	19	22.2&	43.963	N	7.102	E	0				48	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 3.2 (STR), 3.1 (LDG), 2.9 (GEN).
25	20	36	11.7&	63.248	N	151.115	W	3				29	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 3.0 (PMR).
25	21	41	25.4*	16.030	N	99.160	W	10	G	4.6	1.5	40	NEAR COAST OF GUERRERO, MEXICO. MD 4.5 (UNM).
25	22	22	29.1&	37.555	N	118.809	W	6				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
25	22	41	56.7*	13.625	S	166.313	E	77	*	4.3	1.2	16	VANUATU ISLANDS
25	22	50	01.6&	19.110	N	66.120	W	25				10	PUERTO RICO REGION. <MPR>. MD 3.3 (MPR).
25	22	52	18.8&	42.100	N	1.800	E	2				4	PYRENEES. <LDG>. ML 2.1 (LDG).
25	22	52	21.3&	19.120	N	66.110	W	15				7	PUERTO RICO REGION. <MPR>. MD 3.1 (MPR).
25	23	25	04.7	35.420	N	31.311	E	10	G		0.7	17	CYPRUS REGION. MD 3.6 (ISK).
26	01	27	26.0?	30.08	N	88.22	E	33	N		1.0	9	XIZANG
26	01	40	10.5&	61.060	N	152.233	W	122				83	SOUTHERN ALASKA. <AEIC>.
26	01	50	54.3&	43.400	N	2.800	E	7				4	FRANCE. <LDG>. ML 2.3 (LDG).
26	02	09	57.8*	2.877	S	141.642	E	10	G	4.0	1.2	11	NEAR N COAST OF NEW GUINEA, PNG.
26	02	10	18.5&	61.694	N	151.852	W	101				66	SOUTHERN ALASKA. <AEIC>.
26	02	30	25.5?	2.74	S	142.02	E	10	G	3.4	1.4	8	NEAR N COAST OF NEW GUINEA, PNG.
26	02	51	12.4?	45.48	N	26.24	E	200	G		0.7	6	ROMANIA
26	03	06	40.4?	17.96	S	178.60	W	600	G	4.0	1.1	25	FIJI ISLANDS REGION
26	03	38	24.5	0.768	S	20.959	W	10	G	5.1 4.2	0.8	185	CENTRAL MID-ATLANTIC RIDGE. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:38:31.1; Lat 0.30 S; Lon 20.98 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.13, Plg=0, Azm=199; (N) Val=1.00, Plg=90, Azm=180; (P) Val=-5.13, Plg=0, Azm=109; Best double couple: Mo=4.6*10**16 Nm; NP1: Strike=244, Dip=90, Slip=-180; NP2: Strike=334, Dip=90, Slip=0.
26	04	15	08.8&	53.127	N	164.401	W	25				18	UNIMAK ISLAND REGION. <AEIC>. ML 3.6 (AEIC).
26	04	58	26.7&	37.574	N	118.793	W	4				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
26	05	57	38.0?	10.31	S	158.26	E	33	N	4.3	1.3	9	SOLOMON ISLANDS
26	06	02	28.0	52.516	N	168.752	W	33	N	4.2	1.0	28	FOX ISLANDS, ALEUTIAN ISLANDS
26	06	34	43.1*	9.541	S	158.484	E	33	N	4.3	1.0	11	SOLOMON ISLANDS
26	06	39	18.4&	16.979	N	94.662	W	191				13	OAXACA, MEXICO. <UNM>. MD 4.3 (UNM).
26	07	03	34.7*	35.855	N	25.684	E	33	N		1.3	14	CRETE
26	08	49	22.8*	2.910	S	141.884	E	10	G		0.5	6	NEAR N COAST OF NEW GUINEA, PNG.
26	08	50	13.5?	42.44	N	143.16	E	33	N		1.5	10	HOKKAIDO, JAPAN REGION. Felt (I JMA) in southern Hokkaido.
26	10	20	29.2&	59.325	N	136.550	W	10	G			7	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.6 (PGC). Felt (IV) at Pleasant Camp, British Columbia and at mile 33 on the Haines Highway, Alaska. Also felt at Haines, Alaska.
26	10	30	10.6	9.489	S	121.372	E	129	*	4.7	1.1	36	SAVU SEA
26	10	59	40.3*	21.258	N	121.742	E	33	N	4.5	1.2	11	TAIWAN REGION
26	11	19	24.0*	9.120	S	106.661	E	33	N		0.9	8	SOUTH OF JAWA, INDONESIA
26	11	32	48.8?	9.01	N	126.06	E	33	N	4.6	0.9	13	MINDANAO, PHILIPPINE ISLANDS
26	12	28	23.9	45.130	N	147.019	E	110	*	4.5	0.9	83	KURIL ISLANDS
26	12	29	34.3&	40.986	N	29.316	E	5				4	TURKEY. <ISK>. MD 2.5 (ISK).
26	12	46	39.4	47.141	N	9.301	E	10	G		0.9	27	GERMANY. ML 2.8 (VIE), 2.8 (LDG), 2.6 (FUR), 2.4 (STR).
26	13	17	16.4&	39.242	N	26.984	E	9				4	TURKEY. <ISK>. MD 2.8 (ISK).
26	13	26	09.5&	19.000	N	67.920	W	25				8	MONA PASSAGE. <MPR>. MD 3.1 (MPR).
26	14	16	59.0?	15.73	N	91.23	W	33	N	3.6	1.3	7	MEXICO-GUATEMALA BORDER REGION
26	14	37	34.4&	40.011	N	26.433	E	10				4	TURKEY. <ISK>. MD 2.8 (ISK).
26	14	38	47.7	7.587	S	154.761	E	33	N	5.3 4.7	1.0	95	SOLOMON ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:38:52.1; Lat 7.69 S; Lon 155.17 E; Dep 19.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.60, Plg=4, Azm=110; (N) Val=-0.45, Plg=68, Azm=209; (P) Val=-7.16, Plg=22, Azm=18; Best double couple: Mo=7.4*10**16 Nm; NP1: Strike=156, Dip=72, Slip=-167; NP2: Strike=62, Dip=77, Slip=-19.
26	15	27	05.1&	32.038	S	70.770	W	100				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
26	15	51	26.8&	63.581	N	150.753	W	11				39	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.0 (PMR).
26	16	24	21.4	17.497	N	101.515	W	33	N	4.1	1.2	46	NEAR COAST OF GUERRERO, MEXICO. MD 4.7 (UNM).
26	17	17	45.2&	31.311	S	70.057	W	168				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
26	17	41	21.4	4.522	N	95.302	E	72	D	4.8	1.1	49	NORTHERN SUMATERA, INDONESIA
26	18	17	11.1	7.402	S	128.608	E	171	*	4.6	1.3	25	BANDA SEA
26	18	37	45.3&	37.582	N	118.899	W	2				16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.8 (BRK). MD 3.7 (GM). ML 3.9 (BRK), 3.8 (GS). Moment Tensor (BRK): Dep 5; Principal axes (scale 10**14 Nm): (T) Val=6.45, Plg=1, Azm=226; (N) Val=0.00, Plg=37, Azm=136; (P) Val=-6.45, Plg=52, Azm=318; Best double couple: Mo=6.5*10**14 Nm; NP1: Strike=105, Dip=57, Slip=-137; NP2: Strike=348, Dip=55, Slip=-42.
26	18	45	00.1&	37.577	N	118.902	W	2				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK).
26	18	46	17.3	12.421	S	169.377	E	600	G	4.4	1.1	70	SANTA CRUZ ISLANDS REGION
26	18	46	27.2*	19.686	S	174.785	W	33	N	4.2	0.9	16	TONGA ISLANDS
26	19	08	36.7?	12.15	N	144.51	E	33	N		1.3	7	SOUTH OF MARIANA ISLANDS
26	19	15	26.1*	11.003	S	166.150	E	100	G	3.9	1.5	15	SANTA CRUZ ISLANDS
26	19	49	08.2	54.800	N	161.488	E	33	N	4.6	0.9	99	NEAR EAST COAST OF KAMCHATKA
26	20	21	57.3*	45.989	N	151.475	E	33	N	4.3	1.1	8	KURIL ISLANDS
26	20	28	59.4&	34.174	S	71.076	W	69				5	NEAR COAST OF CENTRAL CHILE. <GUC>.
26	20	56	26.3	11.486	S	117.602	E	33	N	4.5	1.4	20	SOUTH OF SUMBAWA, INDONESIA
26	21	44	29.2&	32.138	S	71.756	W	26				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
26	21	49	19.5&	34.183	S	70.112	W	4				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
26	22	28	33.4&	31.259	S	71.540	W	29				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).

26	22	49	35.6&	34.073	S	70.480	W	1					5	CHILE-ARGENTINA BORDER REGION. <GUC>.
26	22	50	40.8&	54.630	N	160.660	W	6					13	ALASKA PENINSULA. <AEIC>. ML 2.9 (AEIC).
26	23	14	39.5*	9.757	S	118.421	E	33	N	3.8		1.5	6	SUMBAWA REGION, INDONESIA
26	23	37	30.1*	5.611	S	130.102	E	33	N	4.6		1.0	20	BANDA SEA
27	01	05	24.1*	41.250	N	114.886	E	33	N			1.4	10	NORTHEASTERN CHINA
27	01	17	01.3	41.216	N	114.644	E	33	N	4.3		0.9	16	NORTHEASTERN CHINA. ML 4.4 (BJI). Felt at Beijing.
27	01	38	44.6&	18.710	N	66.510	W	25					10	PUERTO RICO REGION. <MPR>. MD 3.1 (MPR).
27	01	56	03.7*	2.793	S	142.351	E	10	G	3.7		1.1	9	NEAR N COAST OF NEW GUINEA, PNG.
27	02	55	40.6&	33.521	S	70.814	W	70					6	CHILE-ARGENTINA BORDER REGION. <GUC>.
27	03	17	48.8*	41.089	N	113.858	E	33	N			1.3	7	NORTHEASTERN CHINA. ML 4.0 (BJI).
27	03	29	13.2*	39.539	N	69.950	E	33	N			1.0	11	TAJIKISTAN
27	04	24	37.2&	34.064	S	72.006	W	43					6	NEAR COAST OF CENTRAL CHILE. <GUC>.
27	04	46	17.5&	36.958	N	35.685	E	10					5	TURKEY. <ISK>. MD 3.6 (ISK).
27	04	58	30.0?	3.59	S	103.60	W	10	G	4.3		0.9	22	CENTRAL EAST PACIFIC RISE
27	05	15	07.9	36.904	N	117.476	W	5	G			0.7	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK), 3.3 (GS).
27	05	25	53.6*	2.626	S	142.807	E	10	G	4.5		1.1	7	NEAR N COAST OF NEW GUINEA, PNG.
27	06	46	39.3&	54.007	N	163.307	W	20					8	UNIMAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
27	07	49	59.8	42.082	N	18.434	E	10	G			0.8	21	NORTHWESTERN BALKAN REGION. ML 3.1 (ROM).
27	08	06	54.5*	30.562	S	178.699	W	217	?	4.4		0.9	22	KERMADEC ISLANDS, NEW ZEALAND
27	08	36	30.9&	43.130	N	0.050	W	2	G				9	PYRENEES. <STR>. ML 2.8 (STR), 2.4 (LDG).
27	08	38	33.0&	62.162	N	152.144	W	117					36	CENTRAL ALASKA. <AEIC>.
27	08	49	20.2&	41.067	S	175.278	E	10	G			0.2	8	NORTH ISLAND, NEW ZEALAND. ML 3.7 (WEL).
27	08	56	17.5*	39.255	N	20.286	E	10	G	3.5		1.3	10	GREECE-ALBANIA BORDER REGION
27	09	04	05.3&	33.682	S	71.972	W	10					7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
27	09	13	25.6	43.742	N	139.900	E	240	*	4.0		0.8	20	EASTERN SEA OF JAPAN
27	09	20	49.7	21.234	S	178.829	W	600	G	4.2		0.9	45	FIJI ISLANDS REGION
27	09	55	28.5*	20.989	S	178.700	W	600	*	4.2		1.1	39	FIJI ISLANDS REGION
27	10	11	14.8&	33.669	S	72.023	W	36					10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
27	11	02	06.4&	33.652	S	72.062	W	29					8	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
27	12	03	42.0*	31.689	S	69.532	W	150	G			0.5	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (GUC).
27	12	26	57.7&	19.638	N	99.655	W	42					7	CENTRAL MEXICO. <UNM>. MD 3.0 (UNM).
27	12	45	03.2&	31.798	S	69.839	W	139					9	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.1 (GUC).
27	12	52	39.0&	60.144	N	153.445	W	148					95	SOUTHERN ALASKA. <AEIC>.
27	13	55	41.4&	33.947	N	116.361	W	7					31	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). MD 3.5 (ECX). Felt in the Desert Hot Springs-Palm Springs area.
27	14	04	01.5*	36.896	N	73.749	E	33	N	4.3		1.1	12	NORTHWESTERN KASHMIR
27	14	14	15.7&	32.743	S	70.771	W	79					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
27	14	24	38.1&	33.649	S	71.128	W	65					8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.6 (GUC).
27	14	49	54.6&	48.330	N	9.050	E	11					39	GERMANY. <FBB>. ML 2.9 (LDG), 2.9 (VIE), 2.7 (STR), 2.6 (FBB).
27	15	02	18.5	45.624	N	26.472	E	141		4.4		1.0	81	ROMANIA. Felt at Bucharest. Also felt (III) at Chisinau, Moldova.
27	15	33	20.2&	39.677	N	29.475	E	10	G				5	TURKEY. <ISK>. MD 2.6 (ISK).
27	15	43	36.0&	45.600	N	6.500	E	8					4	FRANCE. <LDG>. ML 1.6 (LDG).
27	16	07	52.1?	45.83	N	151.11	E	33	N	4.6		1.1	9	KURIL ISLANDS
27	16	08	59.3?	45.72	N	151.27	E	33	N	4.6		1.1	11	KURIL ISLANDS
27	18	53	14.7*	3.374	S	134.613	E	33	N	4.6		1.0	10	IRIAN JAYA REGION, INDONESIA
27	18	59	53.7	10.009	S	114.117	E	33	N	4.5		1.0	12	SOUTH OF BALI, INDONESIA
27	19	03	18.7	24.219	N	93.548	E	58	D	4.8		0.9	87	MYANMAR-INDIA BORDER REGION
27	19	14	53.4&	59.871	N	153.481	W	131					39	SOUTHERN ALASKA. <AEIC>.
27	19	36	07.7*	41.751	N	81.122	E	33	N	4.3		1.4	13	SOUTHERN XINJIANG, CHINA
27	19	45	12.3&	31.007	S	71.725	W	56					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
27	20	20	34.1?	31.25	N	141.18	E	55	D	3.7		1.0	7	SOUTH OF HONSHU, JAPAN
27	20	22	54.6*	31.246	N	141.112	E	53	D	3.6		0.5	10	SOUTH OF HONSHU, JAPAN
27	21	38	54.6?	0.05	N	123.41	E	153	?	4.6		1.1	9	MINAHASSA PENINSULA, SULAWESI
27	21	46	48.8&	32.161	S	70.266	W	120					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
27	21	49	34.3&	15.862	N	94.189	W	11					6	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.0 (UNM).
27	22	00	45.6?	51.47	N	16.06	E	5	G			0.4	6	POLAND. ML 3.0 (VIE), 2.4 (WAR).
27	22	20	36.8*	51.510	N	15.931	E	5	G			0.6	5	POLAND. ML 3.0 (VIE), 2.5 (WAR).
27	23	08	21.5&	7.227	N	78.191	W	10					5	PANAMA. <UPA>. MD 3.8 (UPA).
27	23	40	12.5	2.299	N	128.493	E	72	D	4.6		1.2	21	HALMAHERA, INDONESIA
27	23	50	44.3*	20.206	N	121.301	E	33	N	3.8		0.7	6	PHILIPPINE ISLANDS REGION
28	01	27	13.3&	36.331	S	72.046	W	90					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
28	01	46	48.4&	18.350	N	68.110	W	135					6	MONA PASSAGE. <MPR>. MD 3.1 (MPR).
28	02	15	37.2	17.546	S	69.389	W	157	D	4.6		0.9	91	PERU-BOLIVIA BORDER REGION
28	02	16	52.3&	37.577	N	118.822	W	5					13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
28	02	41	05.8*	42.135	N	143.803	E	46	D			0.9	8	HOKKAIDO, JAPAN REGION
28	02	43	30.5*	18.899	S	169.372	E	246		4.4		0.9	15	VANUATU ISLANDS
28	02	44	51.2*	42.212	N	143.652	E	48	D	4.0		0.8	13	HOKKAIDO, JAPAN REGION. Felt (I JMA) in south-central Hokkaido.
28	03	05	08.2&	40.643	N	124.269	W	17					5	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.7 (GM).
28	03	58	36.6&	40.643	N	124.272	W	17					5	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
28	04	20	24.3*	20.100	S	177.992	W	600	G	4.4		0.8	31	FIJI ISLANDS REGION
28	04	51	43.9	41.793	N	81.460	E	33	N	5.3	4.7	0.9	231	SOUTHERN XINJIANG, CHINA. Mw 5.2 (HRV). Several people injured and 19 houses destroyed in Baicheng County. Centroid, Moment Tensor (HRV): Centroid origin time 04:51:47.0; Lat 41.93 N; Lon 81.58 E; Dep 46.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.74, Plg=87, Azm=17; (N) Val=-0.83, Plg=1, Azm=261; (P) Val=-5.91, Plg=3, Azm=171; Best double couple: Mo=6.3*10**16 Nm; NP1: Strike=260, Dip=42, Slip=88; NP2: Strike=83, Dip=48, Slip=92.
28	05	01	32.2	7.202	S	120.401	E	600	G	5.1		1.0	72	FLORES SEA
28	05	39	02.5*	7.486	S	154.342	E	68	?	4.4		0.9	13	SOLOMON ISLANDS
28	06	15	06.2	36.914	N	117.513	W	5	G			0.7	8	CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (GS).
28	06	43	47.0&	37.573	N	118.794	W	5					14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (GS).
28	06	57	43.4&	59.803	N	152.526	W	107					75	SOUTHERN ALASKA. <AEIC>.
28	07	00	45.0&	57.992	N	156.801	W	6					8	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
28	07	07	46.3&	38.854	S	175.238	E	200	G			0.1	10	NORTH ISLAND, NEW ZEALAND
28	07	09	03.3&	39.769	N	28.885	E	10	G				4	TURKEY. <ISK>. MD 2.6 (ISK).
28	07	32	42.8*	41.922	N	2.108	E	10	G			1.4	8	SPAIN. ML 3.3 (STR), 2.8 (LDG).
28	07	48	36.3?	13.94	S	72.95	W	76	?	4.1		0.9	9	CENTRAL PERU

28 08 25 43.8& 18.690 N 65.000 W 25 7 PUERTO RICO REGION. <MPR>. MD 3.3 (MPR).
28 08 28 23.1 57.481 N 142.880 W 10 G 0.8 30 GULF OF ALASKA. ML 2.6 (AEIC).
28 08 58 00.6& 39.200 N 27.591 E 10 G 5 TURKEY. <ISK>. MD 2.8 (ISK).
28 09 06 09.4& 40.503 N 31.114 E 10 G 4 TURKEY. <ISK>. MD 2.8 (ISK).
28 09 12 23.7& 39.314 N 27.500 E 15 5 TURKEY. <ISK>. MD 2.7 (ISK).
28 10 42 04.6 38.347 N 90.789 E 33 N 4.4 1.1 21 SOUTHERN XINJIANG, CHINA
28 11 38 48.0& 59.220 N 137.860 W 10 G 4.3 115 SOUTHEASTERN ALASKA. <PGC-P>. ML 4.7 (PGC), 4.6 (AEIC). Felt at Haines, Juneau, Klukwan and Yakutat. Also felt at Pleasant Camp, British Columbia and Whitehorse, Yukon Territory.
28 12 30 28.1& 41.752 N 32.433 E 5 10 TURKEY. <ISK>. MD 3.4 (ISK).
28 13 45 29.0 30.298 N 138.501 E 445 * 4.3 0.9 44 SOUTH OF HONSHU, JAPAN
28 13 47 04.5& 31.841 S 71.282 W 38 13 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC). Felt (IV) at Salamanca; (III) at Illapel and (II) at Canela.
28 17 09 52.7& 18.070 N 67.000 W 20 4 MONA PASSAGE. <MPR>. MD 2.0 (MPR).
28 17 51 26.8 58.389 N 146.996 W 10 G 0.8 61 GULF OF ALASKA. ML 2.7 (AEIC).
28 18 00 00.8? 18.80 S 177.77 W 600 G 4.3 0.9 15 FIJI ISLANDS REGION
28 18 58 12.9& 31.250 S 71.634 W 30 9 NEAR COAST OF CENTRAL CHILE. <GUC>.
28 19 05 28.6* 10.680 S 166.046 E 185 * 4.4 0.9 20 SANTA CRUZ ISLANDS
28 20 58 04.0& 32.713 S 70.232 W 107 10 CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
28 21 38 21.7 5.601 S 153.755 E 67 * 4.6 1.1 34 NEW IRELAND REGION, P.N.G.
28 21 55 02.6& 11.006 N 61.955 W 92 5 WINDWARD ISLANDS. <TRN>. MD 2.9 (TRN).
28 22 53 58.0 1.280 N 120.791 E 33 N 4.5 1.0 21 MINAHASSA PENINSULA, SULAWESI
28 23 44 25.5& 31.386 S 69.728 W 164 11 SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.6 (GUC).
28 23 50 08.4? 34.92 S 111.10 W 10 G 4.6 1.1 10 SOUTHERN EAST PACIFIC RISE
28 23 50 34.1 11.882 N 87.147 W 66 5.2 1.0 169 NEAR COAST OF NICARAGUA. Mw 5.3 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 23:50:29.4; Lat 11.30 N; Lon 86.93 W; Dep 42.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.07, Plg=29, Azm=56; (N) Val=0.78, Plg=21, Azm=313; (P) Val=-8.85, Plg=53, Azm=192; Best double couple: Mo=8.5*10**16 Nm; NP1: Strike=190, Dip=25, Slip=-31; NP2: Strike=308, Dip=77, Slip=-112.
28 23 57 13.3* 4.868 N 125.809 E 158 * 4.4 1.2 13 TALAUD ISLANDS, INDONESIA
29 00 41 46.5 47.617 N 15.296 E 10 G 1.1 11 AUSTRIA. ML 2.5 (VIE), 2.1 (LJU).
29 01 12 50.5 47.462 N 9.521 E 10 G 1.3 12 GERMANY. ML 2.2 (VIE), 2.1 (LDG), 2.0 (FBB).
29 01 15 22.5 36.734 N 105.426 E 33 N 4.8 0.9 66 WESTERN NEI MONGOL, CHINA
29 01 33 10.3& 62.609 N 149.354 W 58 69 CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.1 (PMR).
29 02 05 02.8& 34.194 S 70.084 W 5 8 CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
29 02 05 59.2 13.621 N 144.863 E 130 D 4.5 0.8 43 MARIANA ISLANDS
29 02 16 07.3& 37.586 N 69.659 E 33 N 1.3 10 AFGHANISTAN-TAJIKISTAN BORD REG.
29 02 30 00.1& 44.700 N 6.800 E 2 4 FRANCE. <LDG>.
29 03 14 18.9* 43.326 N 13.019 E 10 G 1.1 16 CENTRAL ITALY. ML 3.1 (VIE), 2.9 (LDG).
29 03 31 58.9 48.370 N 104.706 W 5 G 3.8 1.0 30 MONTANA. mbLg 3.7 (GS), 3.4 (OTT). Felt in the epicentral area.
29 03 41 53.6& 42.670 N 0.230 E 2 6 PYRENEES. <STR>. ML 2.3 (STR), 1.7 (LDG).
29 04 12 09.6* 18.069 N 145.549 E 300 G 4.0 1.1 21 MARIANA ISLANDS
29 04 14 25.9* 54.342 N 170.356 E 30 D 4.1 0.9 13 NEAR ISLANDS, ALEUTIAN ISLANDS
29 04 25 38.0? 3.27 S 101.47 E 33 N 1.1 9 SOUTHERN SUMATERA, INDONESIA
29 04 52 00.2& 33.896 S 70.779 W 80 6 CHILE-ARGENTINA BORDER REGION. <GUC>. MD 1.8 (GUC).
29 04 52 57.2& 44.700 N 6.800 E 2 5 FRANCE. <LDG>. ML 2.1 (LDG).
29 05 55 00.2& 17.205 N 101.189 W 20 19 NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
29 06 35 25.2 46.829 N 11.310 E 10 G 0.8 9 NORTHERN ITALY. ML 2.7 (VIE).
29 07 03 55.9& 18.710 N 67.470 W 4 8 MONA PASSAGE. <MPR>. MD 3.0 (MPR).
29 07 14 24.0 32.312 S 71.286 W 51 D 6.3 0.9 359 NEAR COAST OF CENTRAL CHILE. Mw 6.4 (GS), 6.4 (HRV). Me 6.5 (GS). Two people had fatal heart attacks at Santiago. Several dozen people slightly injured in the Santiago area. Four miners injured at the Boton de Oro mine. Felt (VI) at La Ligua, Los Andes, Los Vilos, Quillota, San Antonio, San Felipe and Valparaiso; (V) at Illapel, Ovalle, Rancagua and Santiago; (III) at Coquimbo, La Serena and Talca. Rockslides occurred along the Trans-Andean road near Portillo.
Broadband Source Parameters (GS): Dep 51; NP1: Strike=325, Dip=65, Slip=75; NP2: Strike=177, Dip=29, Slip=119; Radiated energy 1.2*10**14 Nm.
Moment Tensor (GS): Dep 54; Principal axes (scale 10**18 Nm): (T) Val=5.11, Plg=71, Azm=203; (N) Val=-0.20, Plg=11, Azm=328; (P) Val=-4.91, Plg=15, Azm=61; Best double couple: Mo=5.0*10**18 Nm; NP1: Strike=167, Dip=31, Slip=112; NP2: Strike=322, Dip=61, Slip=77.
Centroid, Moment Tensor (HRV): Centroid origin time 07:14:28.6; Lat 32.30 S; Lon 71.67 W; Dep 58.0 Bdy; Half-duration 4.0 sec; Principal axes (scale 10**18 Nm): (T) Val=5.37, Plg=72, Azm=187; (N) Val=-0.21, Plg=16, Azm=341; (P) Val=-5.16, Plg=8, Azm=73; Best double couple: Mo=5.3*10**18 Nm; NP1: Strike=181, Dip=40, Slip=116; NP2: Strike=329, Dip=55, Slip=70.
29 07 28 52.1& 32.407 S 71.399 W 44 10 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
29 07 39 05.4& 32.379 S 71.427 W 39 11 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
29 07 43 03.4& 32.386 S 71.344 W 48 11 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
29 07 52 18.7& 32.406 S 71.327 W 45 9 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
29 07 54 48.8& 32.375 S 71.439 W 42 9 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
29 07 56 41.7& 32.330 S 71.459 W 39 7 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
29 08 09 44.8& 32.382 S 71.432 W 46 8 NEAR COAST OF CENTRAL CHILE. <GUC>.
29 08 13 18.0& 32.414 S 71.339 W 42 11 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
29 08 17 35.3& 32.379 S 71.381 W 43 8 NEAR COAST OF CENTRAL CHILE. <GUC>.
29 08 23 51.4& 32.399 S 71.367 W 45 11 NEAR COAST OF CENTRAL CHILE. <GUC>.
29 08 29 22.4 1.052 N 129.124 E 25 D 5.1 1.0 71 HALMAHERA, INDONESIA
29 08 30 07.0& 32.343 S 71.410 W 44 9 NEAR COAST OF CENTRAL CHILE. <GUC>.
29 08 38 11.2& 32.422 S 71.421 W 38 12 NEAR COAST OF CENTRAL CHILE. <GUC>.
29 08 49 44.0& 32.376 S 71.439 W 42 8 NEAR COAST OF CENTRAL CHILE. <GUC>.
29 08 58 16.1& 32.349 S 71.486 W 41 8 NEAR COAST OF CENTRAL CHILE. <GUC>.

29	09	36	44.1&	32.416	S	71.417	W	40				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
29	09	40	32.3&	32.362	S	71.422	W	43				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
29	09	43	59.7*	37.788	N	21.227	E	33	N	3.7	1.0	18	SOUTHERN GREECE
29	09	45	18.5&	59.689	N	153.140	W	119				90	SOUTHERN ALASKA. <AEIC>.
29	09	52	45.6&	32.452	S	71.391	W	31				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
29	09	53	23.3*	4.218	S	102.027	E	51	*	4.4	1.2	28	SOUTHERN SUMATERA, INDONESIA
29	09	56	29.9&	54.589	N	161.944	W	43				15	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
29	10	20	40.2&	32.363	S	71.421	W	39				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
29	10	27	07.2&	32.355	S	71.400	W	47				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
29	10	28	57.2&	32.368	S	71.425	W	41				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
29	10	49	50.7&	32.330	S	71.416	W	42				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
29	10	55	06.3&	32.375	S	71.426	W	45				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
29	11	01	23.8&	32.375	S	71.448	W	38				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
29	11	32	35.6&	32.346	S	71.428	W	40				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
29	11	42	50.8&	32.358	S	71.445	W	39				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
29	11	51	35.0&	32.366	S	71.373	W	42				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
29	12	27	27.9&	32.218	S	71.488	W	41				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
29	12	38	12.1&	18.050	N	67.160	W	17				5	MONA PASSAGE. <MPR>. MD 2.2 (MPR).
29	12	43	30.6&	32.366	S	71.394	W	42				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
29	13	15	59.4	71.647	N	3.894	W	10	G	4.5	1.2	31	JAN MAYEN ISLAND REGION
29	13	41	38.4?	21.39	N	46.62	W	10	G	4.0	0.8	5	NORTHERN MID-ATLANTIC RIDGE
29	13	48	25.7&	32.397	S	71.342	W	48				8	NEAR COAST OF CENTRAL CHILE. <GUC>.
29	13	52	49.1&	32.315	S	71.378	W	44				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
29	14	34	28.7&	32.411	S	71.367	W	48				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
29	14	41	08.9&	32.417	S	71.347	W	44				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC). Felt (III) at Papudo and (II) at La Ligua.
29	14	47	28.7&	39.676	N	29.475	E	12				4	TURKEY. <ISK>. MD 2.6 (ISK).
29	14	51	12.7*	48.421	N	8.928	E	10	G		0.2	5	GERMANY. ML 2.1 (STR).
29	14	58	34.3&	32.330	S	71.421	W	42				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
29	15	09	12.8&	32.352	S	71.438	W	41				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
29	15	13	37.4&	32.558	N	115.301	W	6	G			27	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.2 (PAS). MD 3.5 (ECX). Felt east of Mexicali, Baja California.
29	15	13	45.6&	32.400	S	71.435	W	36				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC). Felt (III) at La Ligua and (II) at Quintero.
29	15	55	05.9&	39.130	N	27.728	E	10	G			4	TURKEY. <ISK>. MD 2.8 (ISK).
29	15	59	25.5&	32.392	S	71.388	W	47				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
29	16	03	59.1&	32.357	S	71.358	W	47				6	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
29	16	07	13.3?	13.89	N	91.34	W	33	N	4.1	1.5	12	NEAR COAST OF GUATEMALA
29	16	16	02.9&	32.412	S	71.358	W	40				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
29	16	59	50.7*	30.260	N	87.929	E	33	N	3.8	0.9	11	XIZANG
29	17	07	49.2&	32.364	S	71.431	W	40				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
29	17	40	03.5&	32.345	S	71.457	W	36				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
29	17	41	28.2	46.637	N	15.260	E	10	G		1.1	10	NORTHWESTERN BALKAN REGION. ML 2.5 (VIE), 2.2 (LJU).
29	18	00	24.3&	32.306	S	71.377	W	40				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
29	18	00	29.9	2.693	S	138.901	E	33	N	5.9 6.7	0.9	248	IRIAN JAYA, INDONESIA. Mw 6.7 (HRV), 6.5 (GS). Me 6.3 (GS). Ms 6.7 (BRK). Felt at Jayapura, Sarmi and Wamena. Broadband Source Parameters (GS): Dep 33; NP1: Strike=299, Dip=89, Slip=105; NP2: Strike=33, Dip=15, Slip=4; Radiated energy 7.3*10**13 Nm. Moment Tensor (GS): Dep 20; Principal axes (scale 10**18 Nm): (T) Val=6.67, Plg=48, Azm=207; (N) Val=0.19, Plg=0, Azm=298; (P) Val=-6.87, Plg=42, Azm=28; Best double couple: Mo=6.8*10**18 Nm; NP1: Strike=128, Dip=3, Slip=100; NP2: Strike=298, Dip=87, Slip=90. Centroid, Moment Tensor (HRV): Centroid origin time 18:00:38.0; Lat 2.72 S; Lon 138.99 E; Dep 25.2; Half-duration 5.0 sec; Principal axes (scale 10**19 Nm): (T) Val=1.22, Plg=47, Azm=215; (N) Val=-0.02, Plg=5, Azm=119; (P) Val=-1.20, Plg=42, Azm=24; Best double couple: Mo=1.2*10**19 Nm; NP1: Strike=53, Dip=6, Slip=24; NP2: Strike=299, Dip=88, Slip=95.
29	18	08	41.7*	2.521	S	138.917	E	33	N	5.3	1.0	23	IRIAN JAYA, INDONESIA
29	18	13	27.4&	32.385	S	71.397	W	36				11	NEAR COAST OF CENTRAL CHILE. <GUC>.
29	18	31	54.0*	3.618	S	141.892	E	10	G	4.0	0.6	7	NEW GUINEA, PAPUA NEW GUINEA
29	18	36	28.4&	31.261	S	71.553	W	5				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
29	19	07	18.1	2.602	S	138.989	E	33	N	4.5	1.1	33	IRIAN JAYA, INDONESIA
29	19	22	34.4&	32.396	S	71.383	W	45				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
29	19	24	05.1&	32.419	S	71.381	W	44				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
29	19	43	37.0	2.641	S	138.915	E	38	*	5.0	1.1	73	IRIAN JAYA, INDONESIA
29	20	00	49.4&	63.165	N	150.768	W	129				65	CENTRAL ALASKA. <AEIC>.
29	20	04	42.8*	2.761	S	139.051	E	33	N	4.0	0.7	8	NEAR NORTH COAST OF IRIAN JAYA
29	20	04	57.3&	32.410	S	71.362	W	41				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
29	20	06	31.0	2.789	S	139.066	E	33	N	4.0	1.1	20	NEAR NORTH COAST OF IRIAN JAYA
29	20	16	32.5*	12.090	N	144.393	E	33	N		1.3	9	SOUTH OF MARIANA ISLANDS
29	20	40	44.3*	2.672	S	138.864	E	33	N	3.5	1.3	8	IRIAN JAYA, INDONESIA
29	20	57	39.8&	40.601	N	27.794	E	11				8	TURKEY. <ISK>. MD 2.9 (ISK).
29	21	04	50.3	8.487	S	121.725	E	33	N	4.6	1.0	18	FLORES REGION, INDONESIA
29	21	30	17.0&	33.140	S	70.292	W	14				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
29	21	50	17.9?	13.89	N	145.52	E	115	*		1.3	8	MARIANA ISLANDS
29	22	18	51.9&	32.048	S	71.189	W	80				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
29	22	27	46.8*	15.274	N	145.980	E	33	N	4.3	1.4	17	MARIANA ISLANDS
29	22	32	16.5*	34.215	N	139.294	E	33	N	3.6	1.0	14	NEAR S. COAST OF HONSHU, JAPAN
29	22	34	17.5&	32.354	S	71.383	W	45				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
29	22	40	54.9&	32.387	S	71.415	W	39				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
29	22	49	02.2*	9.906	S	118.726	E	141	*	3.9	0.9	11	SUMBAWA REGION, INDONESIA
29	23	13	23.7&	45.100	N	6.500	E	2				4	FRANCE. <LDG>.
29	23	21	07.3&	32.437	S	71.371	W	40				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
29	23	26	11.1&	32.406	S	71.326	W	43				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
29	23	49	50.8&	32.421	S	71.383	W	43				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
30	00	09	41.9&	32.300	S	71.388	W	38				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
30	00	21	04.1&	32.397	S	71.394	W	38				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
30	00	26	47.5&	32.327	S	71.457	W	36				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
30	00	34	58.5	2.638	S	138.955	E	33	N	4.0 4.3	1.4	24	IRIAN JAYA, INDONESIA

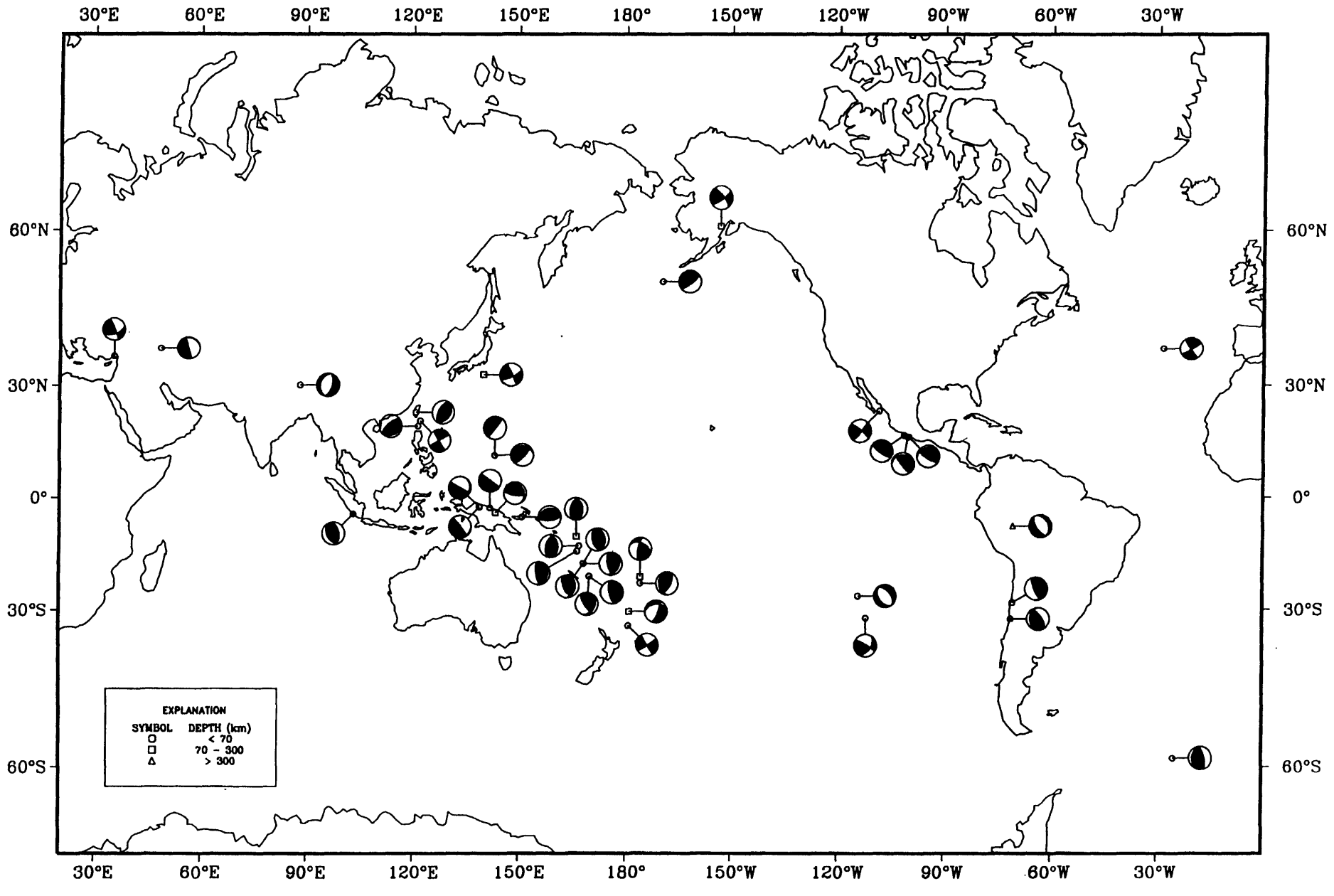
30	01	06	49.4&	32.385	S	71.371	W	39				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
30	01	17	37.2&	16.176	N	97.120	W	6				11	OAXACA, MEXICO. <UNM>. MD 4.1 (UNM).
30	01	25	06.8*	2.545	S	139.050	E	33	N	3.7	1.1	8	NEAR NORTH COAST OF IRIAN JAYA
30	01	33	47.7&	32.330	S	71.434	W	39				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
30	01	41	14.6&	34.726	S	70.174	W	12				6	CHILE-ARGENTINA BORDER REGION. <GUC>.
30	01	49	00.2*	2.717	S	138.860	E	33	N	3.8	1.1	13	IRIAN JAYA, INDONESIA
30	01	57	43.3&	32.316	S	71.434	W	43				6	NEAR COAST OF CENTRAL CHILE. <GUC>.
30	02	18	46.7&	32.416	S	71.354	W	42				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
30	02	44	18.4*	3.116	S	128.671	E	33	N	4.2	0.4	7	SERAM, INDONESIA
30	02	51	49.7&	36.970	N	1.600	W	0	G			7	WESTERN MEDITERRANEAN SEA. <MDD>. mbLg 2.4 (MDD).
30	02	57	31.0*	2.667	S	138.860	E	33	N	3.8	0.8	10	IRIAN JAYA, INDONESIA
30	02	59	02.2&	32.301	S	71.349	W	41				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
30	03	01	47.5&	32.278	S	71.392	W	40				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
30	03	16	19.3?	17.12	S	179.12	W	550	G	4.3	0.7	16	FIJI ISLANDS REGION
30	03	19	02.5&	46.600	N	2.500	E	5				12	FRANCE. <LDG>. ML 2.1 (LDG), 2.0 (STR).
30	03	29	05.3&	45.100	N	6.500	E	2				4	FRANCE. <LDG>.
30	03	31	22.8&	32.357	S	71.407	W	39				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
30	04	00	18.7&	32.373	S	71.457	W	39				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
30	04	10	14.7*	51.509	N	178.155	W	33	N	4.3	1.2	12	ANDREANOF ISLANDS, ALEUTIAN IS.
30	04	43	42.5&	45.100	N	6.500	E	2				5	FRANCE. <LDG>. ML 2.0 (LDG).
30	04	55	55.6	45.194	N	23.585	E	10	G		1.0	10	ROMANIA. Felt in the epicentral area.
30	04	56	29.1	2.705	S	138.955	E	33	N	4.9 4.6	1.3	52	IRIAN JAYA, INDONESIA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:56:33.3; Lat 2.72 S; Lon 139.01 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.76, Plg=80, Azm=163; (N) Val=-0.35, Plg=7, Azm=296; (P) Val=-5.41, Plg=7, Azm=27; Best double couple: Mo=5.6*10**16 Nm; NP1: Strike=125, Dip=38, Slip=102; NP2: Strike=290, Dip=53, Slip=81.
30	04	57	00.5&	32.338	S	71.415	W	39				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
30	05	53	35.8*	6.179	S	146.970	E	114		4.2	1.1	14	EASTERN NEW GUINEA REG., P.N.G.
30	05	54	54.0&	16.912	N	99.437	W	27				9	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.8 (UNM).
30	06	03	16.7?	2.61	S	141.32	E	10	G	3.3	1.5	8	NEAR N COAST OF NEW GUINEA, PNG.
30	06	09	20.5&	32.421	S	71.351	W	45				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
30	06	39	16.1&	32.357	S	71.385	W	42				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
30	06	54	40.2&	38.878	N	26.006	E	8				5	AEGEAN SEA. <ISK>. MD 3.3 (ISK).
30	07	18	54.8&	32.409	S	71.370	W	42				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
30	07	29	52.8&	32.432	S	71.403	W	29				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
30	07	31	57.1?	9.80	S	150.73	E	33	N	3.1	1.4	7	EASTERN NEW GUINEA REG., P.N.G.
30	07	36	12.1?	17.93	S	178.17	W	600	G	4.3	0.9	17	FIJI ISLANDS REGION
30	08	04	07.9*	2.715	S	138.902	E	33	N	4.3	1.2	16	IRIAN JAYA, INDONESIA
30	08	15	42.8*	22.920	N	121.509	E	33	N	4.1	1.3	14	TAIWAN REGION. Felt (III JMA) at Cheng-kung.
30	08	43	11.0&	32.352	S	71.406	W	29				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
30	08	48	01.3&	32.352	S	71.439	W	34				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
30	08	57	22.0&	46.160	N	74.730	W	10	G	3.8		32	SOUTHERN QUEBEC, CANADA. <OTT-P>. mbLg 4.4 (OTT), 4.0 (GS). Felt at Buckingham, Cardinal, Cornwall, Masson, Montreal, Ottawa, St.-Adolphe-d'Howard and St.-Calixte.
30	09	42	10.2	43.368	N	149.547	E	33	N	5.0	0.8	124	EAST OF KURIL ISLANDS
30	09	44	12.6&	40.104	N	27.043	E	5				6	TURKEY. <ISK>. MD 2.8 (ISK).
30	09	49	33.2	52.496	N	172.950	E	33	N	4.4	1.0	40	NEAR ISLANDS, ALEUTIAN ISLANDS
30	09	52	00.0&	32.398	S	71.398	W	36				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
30	10	19	19.6&	32.340	S	71.436	W	38				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
30	10	29	52.4	46.063	N	15.033	E	10	G		0.2	7	NORTHWESTERN BALKAN REGION. ML 2.1 (VIE), 1.6 (LJU).
30	10	56	33.3	46.056	N	15.033	E	10	G		0.3	7	NORTHWESTERN BALKAN REGION. ML 2.6 (VIE), 2.0 (LJU).
30	12	04	17.5&	61.104	N	151.450	W	77				20	SOUTHERN ALASKA. <AEIC>.
30	12	40	49.8*	2.753	S	138.979	E	33	N	3.7	1.1	9	IRIAN JAYA, INDONESIA
30	13	15	47.5*	37.554	N	49.376	E	33	N	4.3	1.0	9	CASPIAN SEA. Felt at Ardebil, Khalkhal and Namin, Iran.
30	13	48	58.7?	5.99	S	147.76	E	105	*	3.9	1.3	11	EASTERN NEW GUINEA REG., P.N.G.
30	14	34	12.4&	32.371	S	71.415	W	41				8	NEAR COAST OF CENTRAL CHILE. <GUC>.
30	14	38	31.7*	34.733	N	23.817	E	65	D	4.3	1.3	23	CRETE
30	14	42	09.2&	36.920	N	5.550	W	0	G			7	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.7 (MDD).
30	14	45	10.7*	2.815	S	139.099	E	33	N	3.9	1.4	12	NEAR NORTH COAST OF IRIAN JAYA
30	15	03	42.8&	32.332	S	71.415	W	44				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
30	15	16	49.2*	24.218	S	179.152	E	550	G	4.2	0.7	16	SOUTH OF FIJI ISLANDS
30	15	29	58.8*	39.631	N	23.887	E	10	G		0.5	8	AEGEAN SEA
30	16	05	11.8&	37.575	N	118.824	W	4				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
30	16	07	34.3&	54.190	N	162.545	W	16				15	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
30	16	07	37.0	36.626	N	7.296	E	10	G	4.5	1.1	76	NORTHERN ALGERIA
30	16	10	06.0&	31.677	S	71.120	W	46				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
30	16	25	40.9?	54.04	N	156.04	W	33	N		1.4	7	SOUTH OF ALASKA
30	16	39	04.2*	10.869	S	163.442	E	33	N	4.3	1.3	19	SOLOMON ISLANDS
30	16	47	33.7&	41.958	S	173.990	E	5	G		0.5	11	SOUTH ISLAND, NEW ZEALAND. ML 4.4 (WEL).
30	16	57	32.2	2.727	S	138.960	E	33	N	4.6 4.3	1.3	39	IRIAN JAYA, INDONESIA
30	17	01	10.9?	36.93	N	72.43	E	33	N	3.7	1.3	8	AFGHANISTAN-TAJIKISTAN BORD REG.
30	17	02	53.9&	32.367	S	71.350	W	46				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
30	17	07	14.4&	32.292	S	71.384	W	43				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
30	17	41	43.4	17.267	N	122.500	E	33	N	4.4	1.0	30	LUZON, PHILIPPINE ISLANDS
30	18	00	30.8?	12.42	N	144.39	E	33	N		1.2	5	SOUTH OF MARIANA ISLANDS
30	18	18	23.7&	32.350	S	71.414	W	33				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
30	18	35	01.5&	45.000	N	6.700	E	2				61	FRANCE. <LDG>. ML 3.0 (LDG), 3.0 (STR), 3.0 (GEN).
30	18	49	23.8&	36.416	N	70.373	E	222	?		1.1	10	HINDU KUSH REGION, AFGHANISTAN
30	19	00	58.9*	41.041	N	81.132	E	33	N	4.1	1.2	9	SOUTHERN XINJIANG, CHINA
30	19	24	17.9	41.962	S	174.032	E	14			0.9	21	COOK STRAIT, NEW ZEALAND. ML 4.7 (WEL).
30	20	01	01.4&	32.382	S	71.351	W	42				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
30	20	14	26.5&	32.255	S	71.677	W	17				8	NEAR COAST OF CENTRAL CHILE. <GUC>.
30	20	31	38.7&	33.083	S	70.134	W	112				9	CHILE-ARGENTINA BORDER REGION. <GUC>.
30	20	42	43.6*	2.486	S	139.072	E	33	N		0.9	6	NEAR NORTH COAST OF IRIAN JAYA
30	20	46	43.7*	16.616	S	177.004	E	33	N	4.5	1.1	24	FIJI ISLANDS
30	21	12	09.4*	24.035	S	66.618	W	150	G	4.1	0.6	5	SALTA PROVINCE, ARGENTINA
30	21	48	59.7&	32.319	S	71.426	W	42				8	NEAR COAST OF CENTRAL CHILE. <GUC>.
30	21	52	49.4*	24.092	S	66.512	W	150	G		1.3	5	SALTA PROVINCE, ARGENTINA
30	23	36	10.0?	4.83	S	145.41	E	205	?	4.5	0.7	9	NEAR N COAST OF NEW GUINEA, PNG.
30	23	36	30.6	58.808	S	25.273	W	33	N	5.1 4.8	0.9	104	SOUTH SANDWICH ISLANDS REGION. Mw 5.4 (HRV).

													Centroid, Moment Tensor (HRV): Centroid origin time 23:36:35.9; Lat 59.19 S; Lon 24.82 W; Dep 34.7; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.15, Plg=72, Azm=237; (N) Val=0.01, Plg=8, Azm=352; (P) Val=-1.16, Plg=16, Azm=85; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=187, Dip=29, Slip=107; NP2: Strike=348, Dip=62, Slip=81.
30	23	37	56.7*	51.515	N	7.707	E	5	G		0.8	16	GERMANY. ML 3.0 (LDG), 2.9 (STR).
31	00	42	37.3&	32.377	S	71.394	W	43				5	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
31	00	57	53.8&	30.834	S	71.326	W	51				6	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
31	00	58	33.2&	37.415	N	118.565	W	14				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
31	01	12	05.0*	35.497	N	140.585	E	33	N	4.4	1.5	14	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in eastern Shizuoka; (I JMA) in parts of Chiba, Ibaraki, Kanagawa, Saitama and Tochigi Prefectures. Also felt (I JMA) in the Tokyo area.
31	01	28	54.7&	32.408	S	71.383	W	42				4	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
31	01	47	34.6&	53.238	N	164.645	W	0				26	UNIMAK ISLAND REGION. <AEIC>. ML 3.8 (AEIC).
31	02	01	55.3&	50.700	N	6.550	E	2	G			35	GERMANY. <STR>. ML 3.1 (LDG), 2.9 (STR), 2.9 (UCC).
31	02	22	24.8&	45.500	N	6.600	E	2				11	FRANCE. <LDG>. ML 2.1 (LDG).
31	04	31	07.3	36.867	N	95.342	E	33	N	4.6	1.3	24	QINGHAI, CHINA
31	04	50	59.7	28.441	S	70.460	W	82	D	4.0	0.8	27	CENTRAL CHILE
31	04	54	10.8&	36.770	N	8.220	W	15				11	WEST OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
31	05	05	25.2&	33.568	S	70.065	W	9				4	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
31	05	08	13.0&	34.688	S	70.262	W	2				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
31	05	33	14.0&	18.090	N	66.510	W	14				5	PUERTO RICO REGION. <MPR>. MD 2.2 (MPR).
31	06	12	15.3	14.704	N	90.628	W	228	D	4.5	1.0	91	GUATEMALA
31	06	19	38.6&	32.438	S	71.362	W	45				5	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
31	06	37	40.7?	2.72	S	138.95	E	33	N	3.8	0.8	9	IRIAN JAYA, INDONESIA
31	07	17	55.6*	24.284	S	69.130	W	100	G		0.8	8	NORTHERN CHILE
31	07	37	34.4&	18.560	N	66.830	W	23				9	PUERTO RICO REGION. <MPR>. MD 2.8 (MPR).
31	07	40	28.0&	51.360	N	130.780	W	10	G	3.8		33	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 4.0 (PGC).
31	07	50	20.5	10.733	N	63.333	W	33	N	3.9	1.2	16	NEAR COAST OF VENEZUELA. MD 4.2 (TRN).
31	08	18	01.0&	51.340	N	130.800	W	10	G	3.4		9	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.6 (PGC).
31	08	31	51.0&	32.398	S	71.361	W	45				4	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
31	08	37	19.0&	34.832	S	71.634	W	33				6	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
31	09	14	00.5&	36.850	N	8.040	W	16				33	WEST OF GIBRALTAR. <MDD>. mbLg 3.2 (MDD).
31	09	23	24.6	24.819	N	122.800	E	121	D	4.5	1.3	35	TAIWAN REGION
31	09	27	03.2	38.869	N	7.858	W	5	G		0.8	36	PORTUGAL. mbLg 3.8 (MDD). Felt (II) at Badajoz, Spain.
31	09	37	14.5&	33.327	N	118.878	W	6	G			6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
31	10	18	12.6&	32.349	S	71.328	W	43				4	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
31	10	23	54.7&	32.546	S	71.682	W	15				5	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
31	10	23	58.9*	36.194	N	27.188	E	150	G		1.1	12	DODECANESE ISLANDS
31	10	44	44.2&	38.810	N	7.790	W	0	G			5	PORTUGAL. <MDD>. mbLg 3.2 (MDD).
31	10	56	06.8&	53.340	N	2.380	W	9				5	UNITED KINGDOM. <BGS>. ML 2.2 (BGS).
31	11	26	15.4&	33.446	S	70.285	W	117				6	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
31	11	28	39.7?	46.04	N	15.04	E	10	G		0.3	4	NORTHWESTERN BALKAN REGION. ML 1.0 (LJU).
31	11	50	53.8*	2.812	N	128.851	E	250	G	3.9	0.9	12	HALMAHERA, INDONESIA
31	12	01	46.2*	13.441	N	120.916	E	33	N	4.2	0.8	7	MINDORO, PHILIPPINE ISLANDS
31	12	32	00.0*	0.310	N	80.004	W	33	N	4.4	0.9	12	NEAR COAST OF ECUADOR
31	12	40	59.5	21.614	S	169.820	E	33	N	5.4 5.9	1.1	174	LOYALTY ISLANDS REGION. Mw 6.1 (HRV), 6.0 (GS). Moment Tensor (GS): Dep 21; Principal axes (scale 10**18 Nm): (T) Val=1.12, Plg=64, Azm=81; (N) Val=0.00, Plg=2, Azm=347; (P) Val=-1.12, Plg=25, Azm=256; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=340, Dip=20, Slip=83; NP2: Strike=167, Dip=70, Slip=92. Centroid, Moment Tensor (HRV): Centroid origin time 12:41:07.1; Lat 21.51 S; Lon 169.58 E; Dep 33.0; Half-duration 2.6 sec; Principal axes (scale 10**18 Nm): (T) Val=1.30, Plg=73, Azm=97; (N) Val=0.11, Plg=7, Azm=344; (P) Val=-1.40, Plg=16, Azm=252; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=332, Dip=30, Slip=76; NP2: Strike=168, Dip=61, Slip=98.
31	12	45	02.7&	32.257	S	71.679	W	15				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
31	12	47	14.7?	21.73	S	169.88	E	33	N	4.2	1.5	11	LOYALTY ISLANDS REGION
31	12	48	04.4	21.644	S	169.919	E	33	N	5.5 5.3	1.1	195	LOYALTY ISLANDS REGION. Mw 6.0 (HRV), 5.8 (GS). Moment Tensor (GS): Dep 17; Principal axes (scale 10**17 Nm): (T) Val=5.25, Plg=55, Azm=28; (N) Val=-0.06, Plg=22, Azm=154; (P) Val=-5.19, Plg=25, Azm=255; Best double couple: Mo=5.2*10**17 Nm; NP1: Strike=24, Dip=28, Slip=143; NP2: Strike=147, Dip=74, Slip=67. Centroid, Moment Tensor (HRV): Centroid origin time 12:48:11.9; Lat 21.41 S; Lon 169.60 E; Dep 32.3; Half-duration 2.1 sec; Principal axes (scale 10**18 Nm): (T) Val=1.17, Plg=66, Azm=41; (N) Val=-0.12, Plg=2, Azm=135; (P) Val=-1.06, Plg=24, Azm=226; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=321, Dip=21, Slip=96; NP2: Strike=134, Dip=69, Slip=88.
31	12	55	18.1&	38.836	N	122.881	W	3				14	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK).
31	13	39	18.7*	45.935	N	90.431	E	33	N	4.0	1.2	15	NORTHERN XINJIANG, CHINA
31	13	56	25.2*	2.543	S	139.023	E	33	N		0.5	6	NEAR NORTH COAST OF IRIAN JAYA
31	14	06	40.0*	22.207	N	125.568	E	33	N	3.9	1.2	11	SOUTHEAST OF TAIWAN
31	14	22	25.7	51.641	N	16.157	E	5	G		0.6	27	POLAND. ML 3.9 (GRF), 3.7 (STR), 3.6 (WAR), 3.6 (VIE).
31	14	24	18.1*	7.861	N	126.799	E	69	?	4.3	1.0	15	MINDANAO, PHILIPPINE ISLANDS
31	14	30	19.7	2.810	S	139.008	E	33	N	4.8 4.7	1.3	60	NEAR NORTH COAST OF IRIAN JAYA. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:30:33.5; Lat 1.93 S; Lon 138.96 E; Dep 27.0; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=2.27, Plg=48, Azm=241; (N) Val=-0.38, Plg=8, Azm=141; (P) Val=-1.89, Plg=41, Azm=44; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=75, Dip=9, Slip=23; NP2: Strike=322, Dip=86, Slip=98.
31	14	33	29.0	2.632	S	139.158	E	33	N	4.6	1.3	26	NEAR NORTH COAST OF IRIAN JAYA
31	14	41	26.3*	13.611	S	166.731	E	33	N	4.4	1.1	25	VANUATU ISLANDS

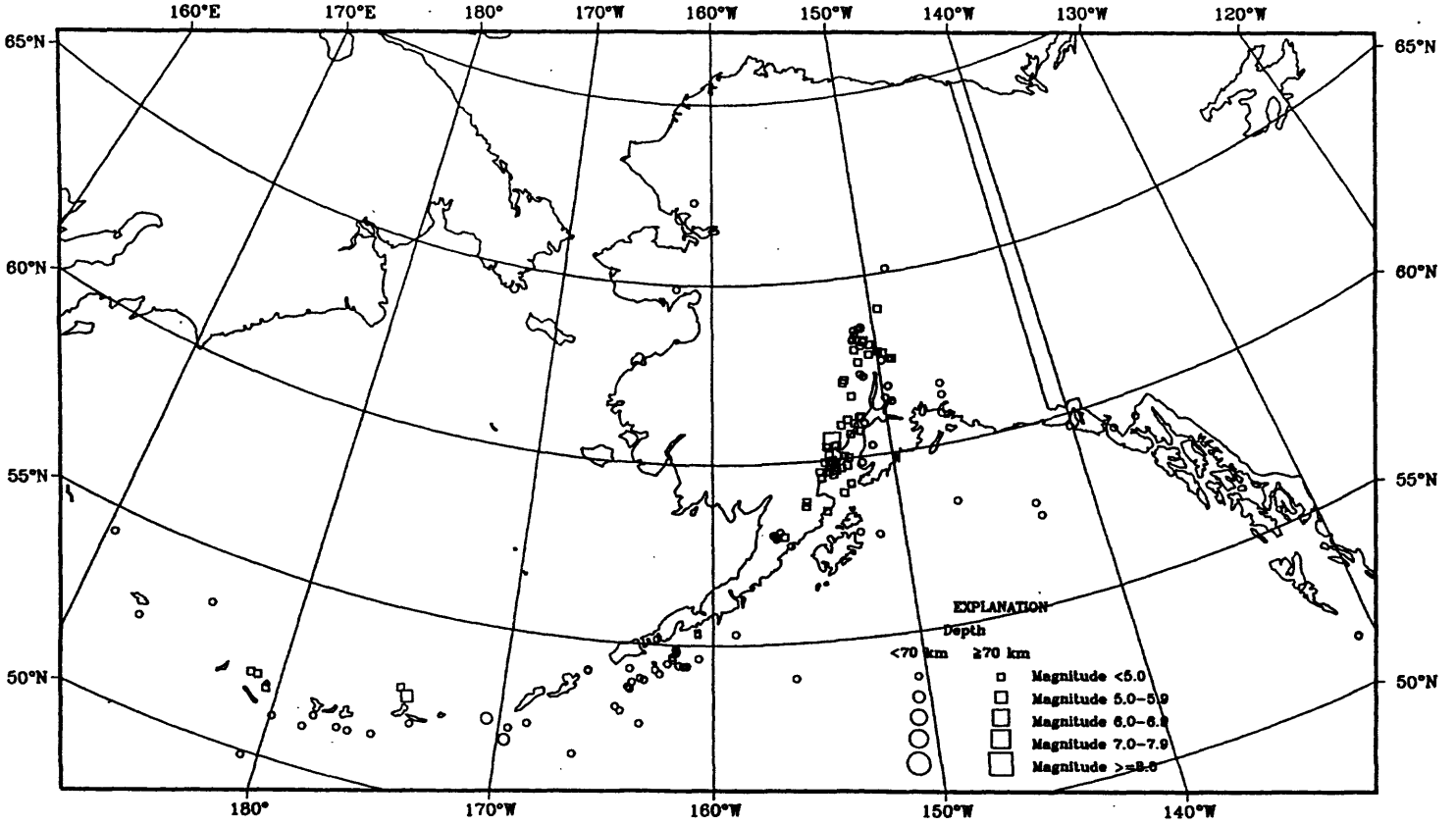
31	15	17	21.8	35.268	S	179.544	E	250	G	4.6	0.8	25	OFF E. COAST OF N. ISLAND, N.Z.
31	15	17	25.4	6.406	S	123.569	E	33	N	5.1	1.0	89	BANDA SEA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:17:33.3; Lat 6.10 S; Lon 124.06 E; Dep 46.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.66, Plg=72, Azm=128; (N) Val=-0.71, Plg=0, Azm=37; (P) Val=-4.95, Plg=18, Azm=307; Best double couple: Mo=5.3*10**16 Nm; NP1: Strike=37, Dip=27, Slip=89; NP2: Strike=217, Dip=63, Slip=90.
31	15	34	33.0*	12.283	N	86.527	W	150	D	4.4	1.1	24	NICARAGUA
31	16	29	32.0&	32.339	S	71.440	W	39				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
31	16	42	49.4	43.170	N	149.396	E	33	N	4.5	1.1	35	EAST OF KURIL ISLANDS
31	16	51	00.0	51.607	N	16.114	E	5	G		0.7	27	POLAND. ML 4.2 (GRF), 3.7 (VIE), 3.5 (WAR), 3.5 (STR).
31	17	11	27.7	15.128	S	167.443	E	117	D	5.3	1.0	172	VANUATU ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:11:31.1; Lat 15.21 S; Lon 167.41 E; Dep 122.4; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.96, Plg=76, Azm=248; (N) Val=-0.44, Plg=5, Azm=359; (P) Val=-6.52, Plg=13, Azm=90; Best double couple: Mo=6.7*10**16 Nm; NP1: Strike=187, Dip=32, Slip=100; NP2: Strike=356, Dip=59, Slip=84.
31	17	19	49.4?	21.65	S	169.81	E	33	N		1.2	14	LOYALTY ISLANDS REGION
31	17	26	53.4	16.580	N	145.705	E	601	*	4.1	0.8	32	MARIANA ISLANDS
31	17	50	18.3*	28.010	N	87.730	E	33	N	4.1	1.1	13	XIZANG
31	18	06	18.2	5.159	S	153.622	E	78	D	4.5	0.9	41	NEW IRELAND REGION, P.N.G.
31	18	41	02.2*	37.226	N	69.836	E	33	N	4.4	1.5	21	AFGHANISTAN-TAJIKISTAN BORD REG.
31	18	49	56.9&	18.428	N	121.042	E	33	N		0.8	6	LUZON, PHILIPPINE ISLANDS
31	18	55	20.6?	37.75	N	20.54	E	33	N		1.1	6	IONIAN SEA
31	19	12	08.7&	34.122	N	116.857	W	3				26	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.7 (GS).
31	19	49	53.8*	43.170	N	17.752	E	10	G		0.6	5	NORTHWESTERN BALKAN REGION
31	19	54	19.6&	37.569	N	118.792	W	4				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
31	20	29	59.6&	17.850	N	68.090	W	126				6	MONA PASSAGE. <MPR>. MD 4.0 (MPR).
31	21	19	18.2?	28.25	N	50.76	E	10	G		1.0	7	PERSIAN GULF
31	21	57	38.0	8.333	N	126.702	E	79	*	4.7	1.0	40	MINDANAO, PHILIPPINE ISLANDS
31	22	05	52.4*	17.563	N	46.310	W	10	G	4.3	0.7	11	NORTHERN MID-ATLANTIC RIDGE
31	22	10	49.3*	2.695	S	141.484	E	10	G	3.6	0.9	11	NEAR N COAST OF NEW GUINEA, PNG.
31	23	06	01.0&	42.140	N	8.120	W	0	G			4	SPAIN. <MDD>. mbLg 2.6 (MDD).

Compiled by Pamela J. Benfield, Don L. Blakeman, George L. Choy, Stuart K. Koyanagi, Alena L. Leeds, John H. Minsch, Waverly J. Person, Stuart A. Sipkin, William K. Smith and Madeleine D. Zirbes.

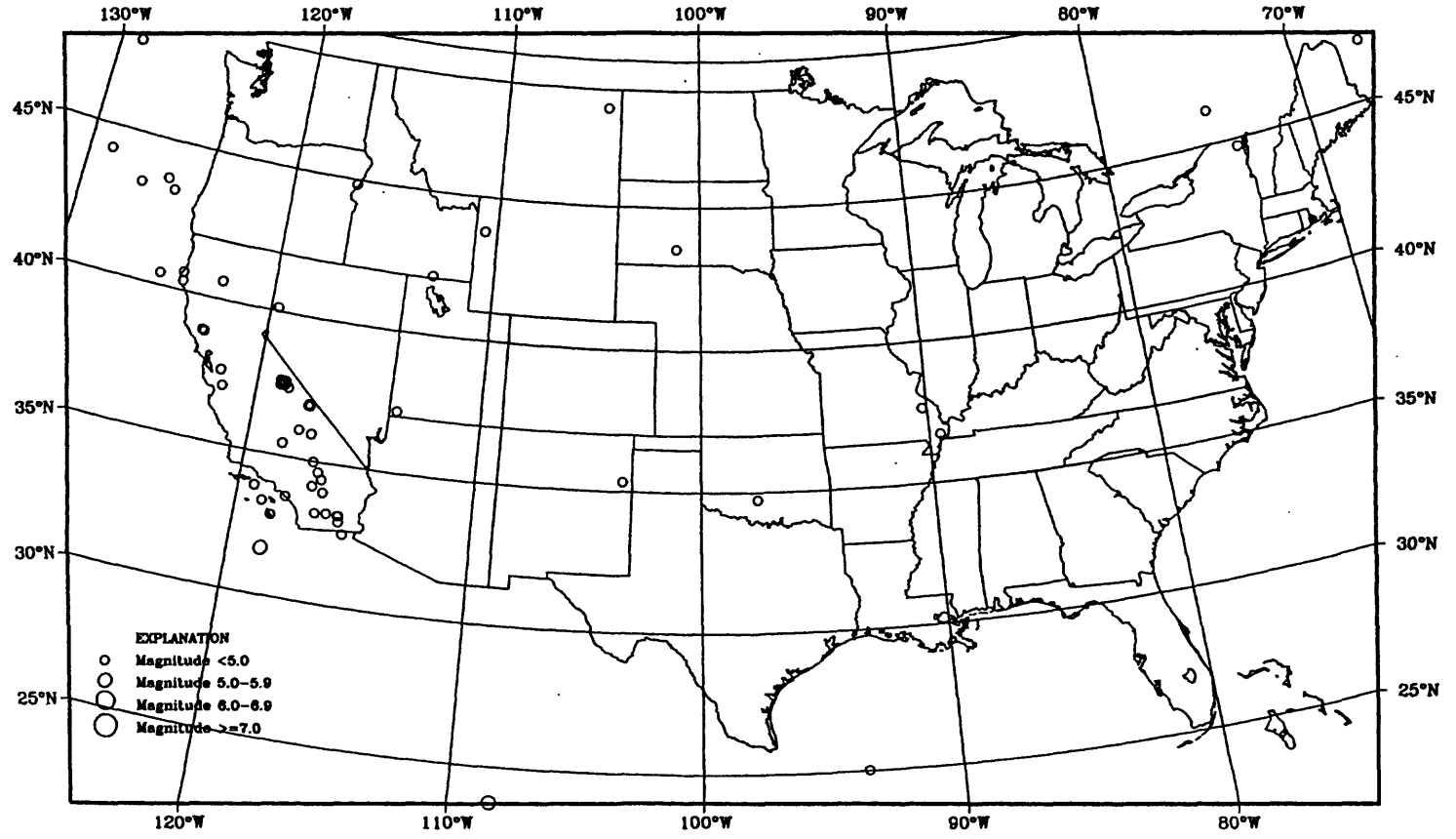
Earthquake Focal Mechanisms for July 1998



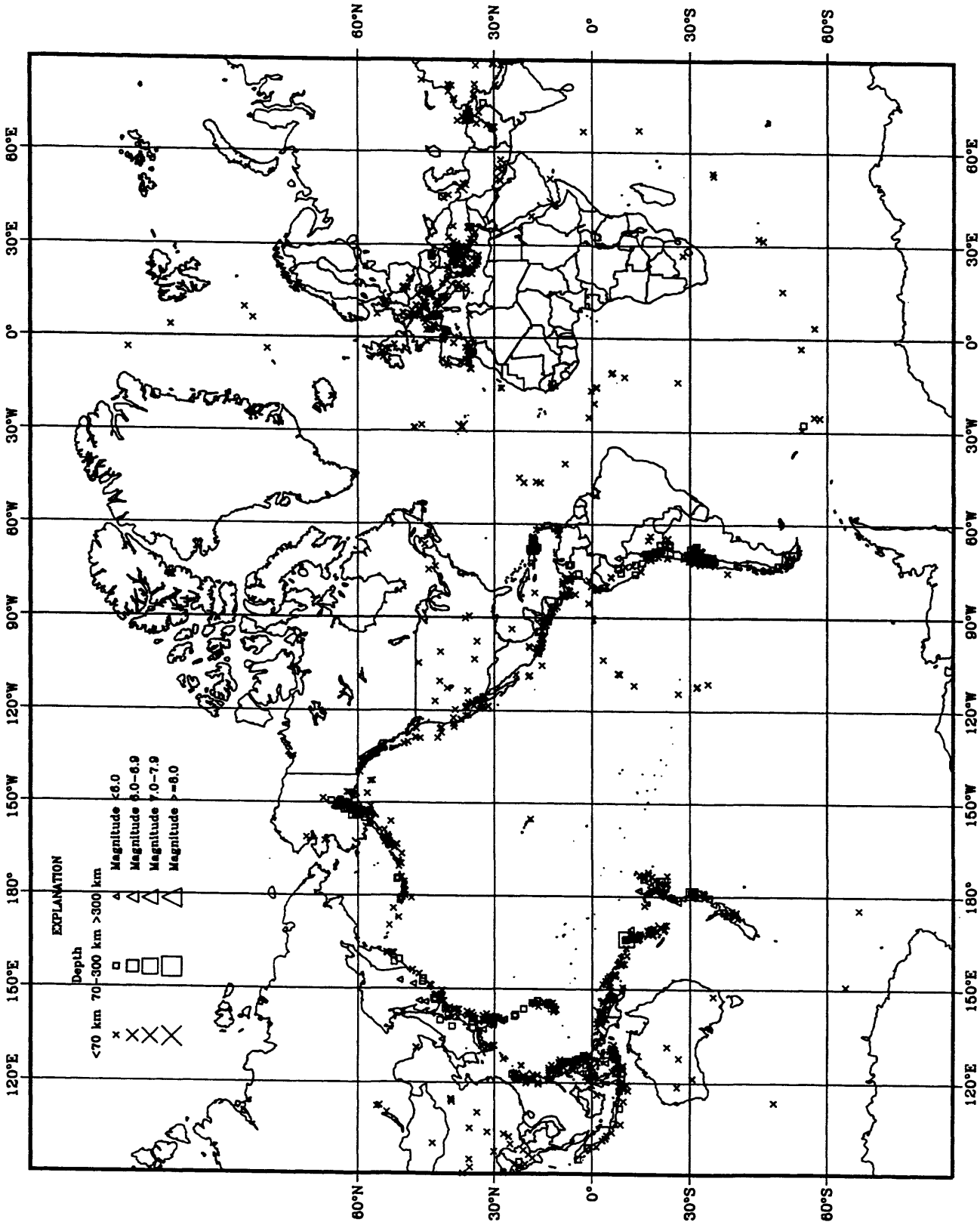
Earthquake epicenters in Alaska and adjacent regions for July 1998



Earthquake epicenters in the conterminous United States and adjacent regions for July 1998



Earthquakes located worldwide in July 1998



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.
BGS	British Geological Survey, Edinburgh, United Kingdom.
BLA	Virginia Polytechnic Institute and State University, Blacksburg.
BRK	University of California, Berkeley.
BSE	University of Boise, Idaho.
BUT	Montana Bureau of Mines and Geology, Butte.
DOE	U.S. Department of Energy (formerly AEC and ERDA).
ECX	Centro de Investigacion Cientifica y Educacion Superior de Ensenada, Ensenada, Baja California, Mexico.
EXPLO	Some or all parameters of explosion (controlled or accidental) supplied by any group or individual other than DOE or its predecessor organizations.
GEN	Dipartimento di Scienze della Terra, Genova, Italy.
GII	Geophysical Institute of Israel, Holon, Israel.
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.
GUC	Instituto de Geofisica, Universidad de Chile, Santiago, Chile.
HDC	Observatorio Vulcanologico y Sismologico de Costa Rica, Universidad Nacional, Heredia, Costa Rica.
HRV	Harvard University, Cambridge, Massachusetts.
HVO	Hawaiian Volcano Observatory.
ISK	Kandilli Observatory, Bogazici University, Istanbul, Turkey.
JMA	Japan Meteorological Agency, Tokyo (also used to indicate 7-point Japanese Intensity Scale).
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.
ME	Energy Magnitude.
MG	Contributed local or regional magnitude of unspecified type (see "Contributed Magnitudes" below).
MPR	University of Puerto Rico, Mayaguez.
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.
PPT	Laboratoire de Geophysique, Papeete, French Polynesia.
REN	University of Nevada, Reno.
RF	Rossi-Forel Intensity Scale.
ROM	Istituto Nazionale di Geofisica, Roma, Italy.
SEA	University of Washington, Seattle.
SLC	University of Utah, Salt Lake City.
SLM	St. Louis University, Missouri.
SNM	New Mexico Institute Mining and Technology, Socorro.
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.
STR	Institut de Physique du Globe de Strasbourg, Strasbourg, France.
TEIC	Center for Earthquake Research and Information, Memphis, Tennessee.
TUL	Oklahoma Geological Survey, Leonard.
TVA	Tennessee Valley Authority, Knoxville.
UNM	Universidad Nacional Autonoma de Mexico (UNAM), Distrito Federal, Mexico.
USBR	U. S. Bureau of Reclamation.
UVC	Universidad del Valle, Cali, Colombia.
WES	Weston Observatory, Massachusetts.
Roman Numerals	Used to indicate intensity (when not followed by RF or JMA they refer to the Modified Mercalli Scale or any 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 at the U. S. Geological Survey, National Earthquake Information Center's web page (http://earthquake.usgs.gov/neis/station_book/station_book.html).

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 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-	VIII+ - IX	IX+	X	X	X
European (Mercalli-Cancani-Sieberg), 1917	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII

† Beginning 1993, Japan Meteorological Agency (JMA) intensities for earthquakes felt in Japan may be instrumentally determined.

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

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

GEOGRAPHIC REGIONS

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

DEPTHS FROM BROADBAND DISPLACEMENT SEISMOGRAMS

The NEIS routinely interprets broadband data from the GDSN, USNSN and other global digital seismograph networks for events with MB ≥ 5.8. Records that are flat to displacement between approximately 0.01 and 5.0 Hz are obtained using methods described by Harvey and Choy (1982). The notation that a depth is obtained from broadband seismograms indicates that a depth was obtained by inversion of differential travel times that are clearly identifiable at several stations using methods described by Choy and Engdahl (1987). Depths of selected events may also be constrained by modelling broadband P and transversely polarized S waves using methods described by Choy and Dewey (1988).

Choy, G. L. and Dewey, J. W., 1988, Rupture process of an extended earthquake sequence: Teleseismic analysis of the Chilean earthquake of March 3, 1985: Journal of Geophysical Research, v. 93, p. 1103-1118.

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.

BROADBAND FAULT PLANE SOLUTIONS

A fault plane solution is determined when possible for any earthquake having a magnitude ≥ 5.8. Beginning January 1996, the fault plane solution is determined primarily from least-squares fitting of synthetic waveforms and broadband body waves that are flat to displacement between approximately 0.01 to 5.0 Hz. The fault plane solution derived from broadband data is sensitive to the dynamic or high frequency part of the earthquake. For complex earthquakes, the fault plane solution corresponds to the largest subevent unless otherwise stated. Prior to January 1996, fault plane solutions were constrained primarily by using first motions from P, pP and PKP waves. Polarities were also obtained b using broadband displacement records of surface-reflected body waves (e.g., pP and sP), Hilbert-transformed body waves of certain secondary arrivals (e.g., PP), and transversely polarized S waves.

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:

$$Mw = (2/3) \log Mo - 10.7$$

where Mo is the scalar moment of the best double couple in dyne-cm. Mo, computed from low frequency seismic data, is a measure of the area ruptured by an earthquake. Beginning with January, 1993, a moment magnitude is computed routinely from the USGS moment tensor and Harvard centroid moment tensor solutions.

Me These energy magnitudes are computed from the radiated energy using the Choy and Boatwright (1995) formula (eq. 6):

$$Me = (2/3) \log Es - 2.9$$

where Es is the radiated seismic energy in Newton-meters. Me, computed from high frequency seismic data, is a measure of seismic potential for damage. Beginning from July 1995, an energy magnitude is computed routinely from the USGS radiated energy.

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

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

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 $20° \leq D \leq 160°$.

No depth corrections are applied, and Ms magnitudes are not generally computed for depths greater than 50 km. The Ms 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 Ms value may still be published, computed by the IASPEI formula and not corrected for depth.

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

Prior to May 1975 (PDE 31-75), the Ms magnitude was computed from the resultant of the horizontal components of the surface wave.

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

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

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 $D \geq 5°$.

NOTE body wave periods and amplitudes contributed by the Prototype International Data Centre were used in the NEIS average MB computations from January 1, 1995 to August 19, 1996.

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

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

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

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:

$$ML = \log A - \log Ao$$

defined by Richter (1935) where A is the maximum trace amplitude in micrometers recorded on a standard short-period torsion seismometer and log Ao 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

Choy, G. L., and Boatwright, J. L., 1995, Global patterns of radiated seismic energy and apparent stress: Journal of Geophysical Research, v. 100, p. 18205-18228.

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: Scale factor for moment tensor elements and eigenvalues.

4. PRINCIPAL AXES)
5. BEST DOUBLE COUPLE) See "Centroid, Moment Tensor (HRV)"

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 Institute de Physique du Globe, Universite Pierre et Marie Curie, Paris, France.

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

Romanowicz, B. and 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 $Mo = 1/2(\sigma_1 + \sigma_2)$. 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 (Mo) 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 (Mo) in dyne-cm is defined by log Mo = 16.74 + 1.22log(CDΔ), 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 Δ is the epicentral distance in km. Seismic moments quoted in "Preliminary Determination of Epicenters" are converted to Newton-meters (1 Newton-meter = 10**7 dyne-cm).

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

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

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

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

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Preliminary Determination of Epicenters

Monthly Listing

National Earthquake Information Center

AUGUST 1998

ORIGIN TIME UTC DAY	HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDE GS MB		Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00	22	18.7&	28.370	N	15.570	W	15						5	CANARY ISLANDS REGION. <MDD>. mbLg 3.7 (MDD).
01	01	24	19.1&	37.532	N	118.439	W	10						10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.2 (BRK).
01	01	51	21.4*	8.373	N	127.067	E	33	N	4.4			1.3	16	PHILIPPINE ISLANDS REGION
01	02	09	24.0*	5.840	N	126.968	E	33	N	4.2			1.4	13	MINDANAO, PHILIPPINE ISLANDS
01	04	44	58.0&	61.880	N	150.538	W	44						48	SOUTHERN ALASKA. <AEIC>. ML 3.8 (AEIC), 3.9 (PMR). Felt at Anchorage and in Denali National Park.
01	04	58	07.0&	34.419	S	70.370	W	6						11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
01	05	28	53.5*	6.955	S	127.156	E	392	?	4.4			1.0	23	BANDA SEA
01	06	01	43.9&	37.570	N	118.794	W	6						64	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 4.1 (BRK). ML 4.3 (GM), 4.4 (BRK). Moment Tensor (BRK): Dep 8; Principal axes (scale 10**15 Nm): (T) Val=1.55, Plg=3, Azm=70; (N) Val=0.00, Plg=67, Azm=334; (P) Val=-1.55, Plg=23, Azm=161; Best double couple: Mo=1.6*10**15 Nm; NP1: Strike=298, Dip=76, Slip=-161; NP2: Strike=203, Dip=72, Slip=-15.
01	06	44	32.6&	32.427	S	71.244	W	46						10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
01	07	04	18.0*	14.874	N	120.402	E	33	N	4.6			1.0	24	LUZON, PHILIPPINE ISLANDS
01	07	44	28.0&	34.019	S	72.130	W	43						7	NEAR COAST OF CENTRAL CHILE. <GUC>.
01	08	01	04.0&	37.574	N	118.799	W	4						16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.0 (BRK).
01	08	03	01.9&	31.532	S	69.680	W	191						7	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
01	08	27	27.0*	0.645	N	123.517	E	289	?	4.6			1.2	27	MINAHASSA PENINSULA, SULAWESI
01	08	57	22.1&	9.092	N	82.632	W	10						5	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.1 (UPA).
01	09	10	02.5*	31.087	S	13.488	W	10	G	4.9	4.5		1.2	18	SOUTHERN MID-ATLANTIC RIDGE. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:10:06.9; Lat 31.43 S; Lon 13.33 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.20, Plg=28, Azm=261; (N) Val=1.19, Plg=9, Azm=356; (P) Val=-5.39, Plg=61, Azm=102; Best double couple: Mo=4.8*10**16 Nm; NP1: Strike=329, Dip=19, Slip=-118; NP2: Strike=179, Dip=73, Slip=-81.
01	09	38	29.8&	32.368	S	71.351	W	44						10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
01	10	04	18.1*	51.863	N	175.036	E	33	N	4.2			1.2	19	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.1 (PMR).
01	10	19	47.1*	19.195	N	145.230	E	400	G	3.6			1.0	17	MARIANA ISLANDS
01	10	48	26.4&	32.316	S	71.370	W	43						10	NEAR COAST OF CENTRAL CHILE. <GUC>.
01	11	19	31.5?	31.18	S	68.74	W	100	G				0.9	13	SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (GUC).
01	12	41	21.6&	32.326	S	71.439	W	42						10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
01	13	56	42.7	34.905	S	71.023	W	108		4.5			1.0	37	NEAR COAST OF CENTRAL CHILE. MD 4.5 (GUC). Felt (IV) at Curico and Talca; (III) at Hualane and Linares.
01	14	24	18.9?	21.86	S	169.68	E	33	N				1.1	16	LOYALTY ISLANDS REGION
01	16	02	19.7&	35.042	S	70.370	W	143						7	CHILE-ARGENTINA BORDER REGION. <GUC>.
01	16	40	49.2&	32.390	S	71.367	W	43						10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
01	16	41	00.5&	44.660	N	7.729	E	66						6	NORTHERN ITALY. <GEN>.
01	16	41	29.4	14.306	S	166.949	E	88	*	4.6			1.0	68	VANUATU ISLANDS
01	16	43	44.7&	34.049	S	70.136	W	7						9	CHILE-ARGENTINA BORDER REGION. <GUC>.
01	17	12	50.7&	32.755	S	71.743	W	16						11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
01	17	28	09.3&	33.547	S	70.684	W	78						11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
01	18	33	33.7	36.287	N	26.858	E	139	*	4.0			0.8	46	DODECANESE ISLANDS
01	18	58	19.9	41.450	N	22.597	E	10	G				0.9	9	NORTHWESTERN BALKAN REGION
01	19	52	39.7*	32.955	S	70.178	W	100	G				0.3	10	CHILE-ARGENTINA BORDER REGION
01	19	54	08.4	43.778	N	147.155	E	80	D	4.5			1.2	46	KURIL ISLANDS
01	20	08	48.9	30.648	N	103.240	E	57	*	4.0			0.6	15	SICHUAN, CHINA
01	20	15	57.7&	37.554	N	118.828	W	2						10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
01	20	25	49.0*	4.289	S	144.516	E	33	N	3.9			1.2	10	NEAR N COAST OF NEW GUINEA, PNG.
01	21	21	34.2	12.403	N	123.834	E	33	N	4.9	4.6		1.3	74	LUZON, PHILIPPINE ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:21:34.6; Lat 12.37 N; Lon 124.15 E; Dep 56.5; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=8.65, Plg=17, Azm=11; (N) Val=0.55, Plg=72, Azm=170; (P) Val=-9.20, Plg=6, Azm=280; Best double couple:

													Mo=8.9*10**16 Nm; NP1: Strike=54, Dip=74, Slip=172; NP2: Strike=147, Dip=83, Slip=16.
01	21	56	39.7	41.021	N	81.283	E	33	N	4.6 4.4	1.2	52	SOUTHERN XINJIANG, CHINA
01	22	06	39.8*	51.448	N	178.597	W	33	N	4.2	1.1	15	ANDREANOF ISLANDS, ALEUTIAN IS.
01	22	35	01.6*	3.917	S	135.666	E	33	N	4.3	1.2	16	IRIAN JAYA REGION, INDONESIA
01	23	12	16.8*	7.238	S	128.776	E	89	?	4.4	1.4	22	BANDA SEA
01	23	26	34.8	43.859	N	147.293	E	54	D	4.0	1.1	22	KURIL ISLANDS
01	23	38	32.2	27.754	N	56.558	E	33	N	5.1 4.8	1.0	227	SOUTHERN IRAN. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:38:32.5; Lat 27.30 N; Lon 56.56 E; Dep 47.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.85, Plg=87, Azm=147; (N) Val=1.04, Plg=2, Azm=266; (P) Val=-6.89, Plg=3, Azm=356; Best double couple: Mo=6.4*10**16 Nm; NP1: Strike=88, Dip=42, Slip=92; NP2: Strike=264, Dip=48, Slip=88.
02	00	46	19.5&	44.700	N	6.600	E	2				4	FRANCE. <LDG>. ML 1.8 (LDG).
02	01	38	36.3&	34.012	S	70.110	W	6				5	CHILE-ARGENTINA BORDER REGION. <GUC>.
02	02	33	23.0&	18.840	N	67.270	W	13				4	MONA PASSAGE. <MPR>. MD 3.1 (MPR).
02	03	03	31.0*	35.949	N	70.438	E	100	G	4.6	1.4	12	HINDU KUSH REGION, AFGHANISTAN
02	03	32	50.4&	37.575	N	118.798	W	3				39	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.2 (BRK).
02	03	44	43.8&	32.408	S	71.545	W	60				5	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.6 (GUC).
02	04	38	10.0&	40.290	N	124.410	W	9				12	NEAR COAST OF NORTHERN CALIF. <GM-P>. ML 3.5 (GM), 3.5 (BRK).
02	04	40	46.4	39.573	N	76.999	E	69	D	5.6	0.9	382	SOUTHERN XINJIANG, CHINA. Mw 5.6 (GS), 5.6 (HRV). Me 4.9 (GS). At least two people injured and several homes destroyed in Jiashi County. Felt (II) at Almaty, Kazakhstan and at Bishkek, Kyrgyzstan. Broadband Source Parameters (GS): Dep 13; NP1: Strike=59, Dip=63, Slip=-90; NP2: Strike=239, Dip=27, Slip=-90; Radiated energy 5.9*10**11 Nm. Moment Tensor (GS): Dep 5; Principal axes (scale 10**17 Nm): (T) Val=2.98, Plg=38, Azm=140; (N) Val=0.70, Plg=13, Azm=240; (P) Val=-3.68, Plg=50, Azm=345; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=176, Dip=14, Slip=-154; NP2: Strike=61, Dip=84, Slip=-77. Centroid, Moment Tensor (HRV): Centroid origin time 04:40:46.8; Lat 39.67 N; Lon 77.13 E; Dep 15.0 Bdy; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=3.46, Plg=19, Azm=116; (N) Val=-0.37, Plg=16, Azm=20; (P) Val=-3.09, Plg=65, Azm=252; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=231, Dip=30, Slip=-56; NP2: Strike=13, Dip=66, Slip=-108.
02	04	53	33.8*	39.684	N	76.548	E	33	N	4.0	1.4	16	SOUTHERN XINJIANG, CHINA
02	05	48	41.5*	39.759	N	77.108	E	33	N	4.4	1.3	28	SOUTHERN XINJIANG, CHINA
02	06	35	52.6&	42.600	N	1.600	E	2				8	PYRENEES. <LDG>. ML 2.9 (STR), 2.4 (LDG).
02	07	20	44.2&	33.618	S	70.487	W	104				5	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
02	07	35	12.8	2.791	S	142.791	E	10	G	4.5 4.3	1.4	27	NEAR N COAST OF NEW GUINEA, PNG.
02	07	51	46.6*	43.035	N	126.291	W	10	G		0.7	35	OFF COAST OF OREGON
02	07	57	39.0*	2.911	S	142.752	E	10	G	4.2	1.4	9	NEAR N COAST OF NEW GUINEA, PNG.
02	08	14	48.8	48.131	N	153.240	E	155	D	4.4	1.2	56	KURIL ISLANDS
02	08	59	31.2&	32.340	S	71.447	W	41				6	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
02	10	08	25.1&	42.610	N	0.930	E	2				6	PYRENEES. <STR>. ML 2.6 (STR), 2.0 (LDG).
02	10	14	10.0*	3.419	S	128.200	E	33	N	3.7	1.1	13	SERAM, INDONESIA
02	10	34	12.8?	31.79	S	69.74	W	100	G		1.1	5	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (GUC).
02	10	43	57.0?	33.48	N	137.04	E	342	?		0.2	6	NEAR S. COAST OF HONSHU, JAPAN
02	10	49	25.6?	2.74	S	138.88	E	33	N	3.3	0.7	7	IRIAN JAYA, INDONESIA
02	10	56	10.6*	2.894	S	142.264	E	10	G	3.0	1.2	10	NEAR N COAST OF NEW GUINEA, PNG.
02	11	17	34.8	44.075	N	11.626	E	10	G		1.0	17	NORTHERN ITALY. ML 2.8 (LDG).
02	11	19	41.4*	51.359	N	169.915	W	33	N	3.7	0.7	7	FOX ISLANDS, ALEUTIAN ISLANDS
02	11	58	21.0	1.473	N	126.160	E	84		4.9	1.0	78	NORTHERN MOLUCCA SEA. Mw 5.3 (HRV). Felt (II) on Ternate, Indonesia. Centroid, Moment Tensor (HRV): Centroid origin time 11:58:20.9; Lat 1.69 N; Lon 126.45 E; Dep 37.3; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.07, Plg=63, Azm=290; (N) Val=-0.28, Plg=3, Azm=26; (P) Val=-0.79, Plg=27, Azm=117; Best double couple: Mo=9.3*10**16 Nm; NP1: Strike=215, Dip=19, Slip=100; NP2: Strike=25, Dip=72, Slip=87.
02	13	01	52.8&	32.974	S	71.308	W	55				4	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.2 (GUC).
02	13	02	29.9*	9.119	S	127.169	E	33	N	4.1	1.4	16	TIMOR SEA
02	13	50	39.3?	20.45	S	178.64	W	600	G	3.7	1.0	12	FIJI ISLANDS REGION
02	14	37	54.6	53.822	N	160.820	E	33	N	4.7 3.9	0.9	63	NEAR EAST COAST OF KAMCHATKA
02	14	45	45.4&	37.573	N	118.797	W	7				63	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 4.0 (BRK). ML 4.3 (GM), 4.3 (BRK). Moment Tensor (BRK): Dep 8; Principal axes (scale 10**15 Nm): (T) Val=1.28, Plg=0, Azm=253; (N) Val=0.00, Plg=14, Azm=163; (P) Val=-1.28, Plg=76, Azm=344; Best double couple: Mo=1.3*10**15 Nm; NP1: Strike=149, Dip=47, Slip=-110; NP2: Strike=357, Dip=47, Slip=-70.
02	14	51	45.4&	37.567	N	118.795	W	7				16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
02	15	14	21.7	3.015	S	142.204	E	10	G	3.6	1.0	15	NEAR N COAST OF NEW GUINEA, PNG.
02	16	27	48.0&	32.395	S	71.407	W	37				4	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
02	16	49	57.6*	24.072	N	122.786	E	33	N	3.7	1.3	15	TAIWAN REGION
02	16	52	42.7&	32.343	S	71.394	W	41				4	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
02	17	01	39.5&	33.450	S	70.304	W	109				6	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
02	17	14	12.4&	44.700	N	6.900	E	2				4	FRANCE. <LDG>. ML 1.9 (LDG).
02	17	24	28.8&	37.569	N	118.786	W	5				14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
02	17	27	15.4&	32.332	S	71.412	W	42				6	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
02	17	48	59.8*	44.057	N	128.499	W	10	G	3.5	0.7	34	OFF COAST OF OREGON
02	20	13	05.7	2.843	S	126.201	E	45		4.9	1.1	78	CERAM SEA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:13:09.4; Lat 2.63 S; Lon 125.97 E; Dep 15.0 Bdy; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)

Val=8.79, Plg=62, Azm=198; (N) Val=-0.40, Plg=18, Azm=325; (P) Val=-8.39, Plg=21, Azm=62; Best double couple: Mo=8.6*10**16 Nm; NP1: Strike=181, Dip=29, Slip=130; NP2: Strike=317, Dip=68, Slip=71.

02	21	02	43.6	45.322	N	137.169	E	353	*	4.0	1.0	20	NEAR SOUTHEAST COAST OF RUSSIA
02	21	18	09.7&	42.900	N	0.200	E	2				12	PYRENEES. <LDG>. ML 2.9 (STR), 2.7 (LDG).
02	21	36	04.9&	32.399	S	71.397	W	34				6	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
02	21	43	42.5*	43.747	N	140.112	E	236	*	4.0	1.0	11	HOKKAIDO, JAPAN REGION
02	21	59	10.8	51.612	N	16.112	E	5	G		1.1	19	POLAND. ML 3.6 (GRF), 3.5 (VIE), 3.1 (WAR), 3.1 (STR).
02	22	19	30.9&	32.343	S	71.453	W	35				6	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC). Felt (III) at Petorca, Puchuncavi, San Felipe, Valparaiso, Villa Alemana and Vina del Mar; (II) at Concon, La Ligua, Quilpue, Quintero and Zapallar.
02	22	53	06.8	5.594	S	149.334	E	166	*	4.5	1.1	31	NEW BRITAIN REGION, P.N.G.
02	23	38	08.9&	32.717	S	71.778	W	15				4	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
02	23	49	57.3&	31.952	S	70.282	W	130				6	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
03	00	03	14.8&	36.057	N	117.641	W	0				10	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.9 (PAS).
03	00	45	01.4&	32.062	N	115.543	W	6	G			3	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.3 (PAS). MD 3.4 (ECX).
03	00	58	01.2	35.496	N	29.600	E	33	N	3.7	0.8	19	EASTERN MEDITERRANEAN SEA
03	01	18	14.7*	18.299	N	119.526	E	33	N	4.4	1.2	24	PHILIPPINE ISLANDS REGION
03	01	26	39.4	8.832	S	115.152	E	127		4.2	0.7	17	BALI REGION, INDONESIA. Felt (III) at Denpasar.
03	01	29	19.6&	35.710	S	71.402	W	138				8	CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
03	01	30	37.5&	32.037	N	115.540	W	6	G			25	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.6 (PAS). MD 3.6 (ECX).
03	01	36	24.0*	15.542	N	94.535	W	33	N		1.0	11	NEAR COAST OF OAXACA, MEXICO. MD 4.4 (UNM).
03	01	46	39.9?	2.70	N	98.19	E	102			0.9	9	NORTHERN SUMATERA, INDONESIA
03	01	54	27.4?	31.18	S	76.82	E	10	G		0.8	8	MID-INDIAN RIDGE
03	02	52	42.4?	12.36	S	172.31	E	33	N	4.5	0.5	8	SANTA CRUZ ISLANDS REGION
03	04	55	48.2*	0.063	S	16.709	W	10	G		1.1	12	NORTH OF ASCENSION ISLAND
03	05	17	01.4	27.295	S	148.858	W	10	G	5.5 5.0	1.0	171	SOUTH PACIFIC OCEAN. Mw 5.5 (GS), 5.5 (HRV). Moment Tensor (GS): Dep 7; Principal axes (scale 10**17 Nm): (T) Val=2.14, Plg=25, Azm=91; (N) Val=0.02, Plg=40, Azm=338; (P) Val=-2.16, Plg=40, Azm=205; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=231, Dip=41, Slip=-13; NP2: Strike=331, Dip=81, Slip=-130. Centroid, Moment Tensor (HRV): Centroid origin time 05:17:06.4; Lat 26.98 S; Lon 148.82 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.08, Plg=8, Azm=109; (N) Val=0.32, Plg=47, Azm=11; (P) Val=-2.39, Plg=42, Azm=207; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=239, Dip=55, Slip=-27; NP2: Strike=345, Dip=68, Slip=-142.
03	05	20	37.7&	32.355	S	71.447	W	41				5	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
03	05	22	18.7&	17.363	N	94.936	W	199				8	CHIAPAS, MEXICO. <UNM>. MD 4.0 (UNM).
03	06	02	04.3?	17.26	S	179.17	W	500	G		1.0	8	FIJI ISLANDS REGION
03	07	15	00.1?	3.05	S	139.30	E	33	N	4.2	0.9	7	IRIAN JAYA, INDONESIA
03	07	20	46.4&	31.615	S	69.752	W	192				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.2 (GUC).
03	07	42	51.4*	9.841	S	122.560	E	135	*	3.9	1.1	8	SAVU SEA
03	08	06	10.5&	62.497	N	149.963	W	60				18	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.1 (PMR).
03	08	32	07.5&	32.320	S	71.279	W	47				6	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
03	09	07	50.4	42.817	N	111.365	W	5	G		0.6	15	EASTERN IDAHO. ML 3.6 (GS).
03	09	22	11.3&	40.930	N	8.040	W	5				8	PORTUGAL. <MDD>. mbLg 2.4 (MDD).
03	09	50	50.1&	18.857	N	67.411	W	11				4	MONA PASSAGE. <MPR>. MD 2.8 (MPR).
03	10	10	59.2&	45.660	N	2.580	E	2				4	FRANCE. <STR>. ML 2.1 (STR).
03	10	30	00.3	28.594	S	71.101	W	43	D	4.4	0.9	34	NEAR COAST OF CENTRAL CHILE. Felt (IV) at Alto del Carmen; (III) at Copiapo, Freirina and La Serena; (II) at Vallenar.
03	10	33	22.2&	60.114	N	151.543	W	49				17	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
03	10	37	01.0&	36.910	N	7.340	W	15				10	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.5 (MDD).
03	10	38	35.1&	54.138	N	162.703	W	0				16	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
03	10	38	39.8&	32.326	S	71.397	W	42				5	NEAR COAST OF CENTRAL CHILE. <GUC>.
03	11	09	35.5	37.189	N	139.934	E	33	N	5.1 4.6	1.0	144	EASTERN HONSHU, JAPAN. Felt (III JMA) in central Fukushima; (II JMA) in parts of Fukushima and Ibaraki; (I JMA) in parts of Gumma, Miyagi, Niigata, Saitama, Tochigi and Yamagata Prefectures.
03	11	52	53.5&	44.128	N	7.155	E	10				8	NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
03	12	40	27.9	42.849	N	111.353	W	5	G		0.7	11	EASTERN IDAHO. ML 3.3 (GS).
03	13	00	35.6&	17.709	N	98.679	W	60				18	GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
03	13	56	14.6	7.017	S	126.932	E	358		4.4	0.9	44	BANDA SEA
03	13	58	30.2&	32.361	S	71.441	W	35				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
03	14	32	03.0&	53.932	N	163.257	W	16				8	UNIMAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
03	15	15	24.0	39.668	N	77.021	E	33	N	4.8	0.9	53	SOUTHERN XINJIANG, CHINA
03	15	25	31.4*	35.056	N	4.748	W	10	G	4.0	1.0	27	STRAIT OF GIBRALTAR. mbLg 3.6 (MDD).
03	15	34	04.2&	32.396	S	71.437	W	30				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
03	15	39	15.1	54.137	N	162.824	W	56		4.9	0.8	157	ALASKA PENINSULA. Mw 5.0 (HRV). ML 4.8 (AEIC). Felt at False Pass. Centroid, Moment Tensor (HRV): Centroid origin time 15:39:16.4; Lat 53.77 N; Lon 162.42 W; Dep 36.4; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=2.33, Plg=35, Azm=323; (N) Val=1.72, Plg=11, Azm=225; (P) Val=-4.05, Plg=53, Azm=119; Best double couple: Mo=3.2*10**16 Nm; NP1: Strike=95, Dip=15, Slip=-39; NP2: Strike=223, Dip=81, Slip=-102.
03	15	59	51.9*	19.617	N	147.500	E	33	N	4.1 4.1	1.1	20	MARIANA ISLANDS REGION
03	16	52	23.8?	55.96	S	27.81	W	150	G		0.7	9	SOUTH SANDWICH ISLANDS REGION
03	17	44	18.8&	64.399	N	147.980	W	11				10	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
03	17	56	06.7*	36.597	N	71.111	E	235	*	3.8	0.9	16	AFGHANISTAN-TAJIKISTAN BORD REG.
03	17	58	59.2&	32.776	S	70.153	W	108				10	CHILE-ARGENTINA BORDER REGION. <GUC>.
03	18	03	51.9&	34.475	S	72.416	W	26				10	NEAR COAST OF CENTRAL CHILE. <GUC>.
03	18	22	15.0&	53.950	N	163.232	W	17				8	UNIMAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
03	19	28	00.1*	21.119	S	67.709	W	183	*		0.5	8	CHILE-BOLIVIA BORDER REGION
03	20	31	11.5*	5.853	S	104.261	E	71	*	4.4	1.3	16	SOUTHERN SUMATERA, INDONESIA
03	21	03	03.4&	37.810	N	3.600	W	3				16	SPAIN. <MDD>. mbLg 2.2 (MDD).

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03  21 09 31.9& 33.148 S   70.332 W    2                        8  CHILE-ARGENTINA BORDER REGION. <GUC>.
03  21 11 12.8? 13.17  S  167.51  E   33 N  4.3      1.1     18  VANUATU ISLANDS
03  21 22 43.1& 33.985 S   72.056 W    8                        9  OFF COAST OF CENTRAL CHILE. <GUC>.
03  21 31 02.9   0.122 S   28.346 W   10 G  4.7      0.9     46  CENTRAL MID-ATLANTIC RIDGE
03  21 40 26.9* 49.940 N    7.185 E   10 G            0.8      6  GERMANY. ML 2.1 (STR), 2.1 (UCC).
03  21 47 20.6& 18.607 N   67.444 W   12                       4  MONA PASSAGE. <MPR>. MD 3.3 (MPR).
03  21 59 47.3  34.689 N   33.851 E   33 N  4.1      1.2     44  CYPRUS REGION. ML 4.0 (GII).
03  22 26 12.8? 31.49  S   67.29  W  100 G            0.6     11  SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (GUC).
03  22 58 07.6? 21.89  S  178.74  W  500 G  4.1      1.1      9  FIJI ISLANDS REGION
04  00 44 06.0* 55.087 N  109.481 E   10 G            0.9      8  LAKE BAYKAL REGION, RUSSIA
04  00 44 29.0   6.789 S  129.921 E  142 *  4.8      1.1     23  BANDA SEA
04  00 48 36.0   8.375 N   82.804 W   33 N  4.9 4.5  1.0    115  PANAMA-COSTA RICA BORDER REGION. Mw 5.3 (HRV). MD 5.0 (UPA).
                                                                 Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  00:48:40.2; Lat 8.41 N; Lon 82.76 W; Dep 28.3; Half-
                                                                  duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                  Val=9.20, Plg=77, Azm=41; (N) Val=0.16, Plg=2, Azm=141; (P)
                                                                  Val=-9.36, Plg=13, Azm=232; Best double couple:
                                                                  Mo=9.3*10**16 Nm; NP1: Strike=325, Dip=32, Slip=94; NP2:
                                                                  Strike=140, Dip=58, Slip=87.
04  01 04 41.1& 33.146 S   70.951 W   67                       12  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
04  02 13 40.4& 61.792 N  150.998 W   65    4.6               97  SOUTHERN ALASKA. <AEIC>. ML 4.1 (AEIC), 4.1 (PMR). Felt at
                                                                  Anchorage.
04  02 22 43.6   0.104 S  124.359 E  105 D  4.8      1.3     38  SOUTHERN MOLUCCA SEA
04  02 41 14.1& 33.984 S   72.058 W    7                       11  OFF COAST OF CENTRAL CHILE. <GUC>.
04  05 07 38.1  21.468 S  179.392 W  616 D  4.8      0.9    100  FIJI ISLANDS REGION
04  05 17 52.4& 32.319 S   71.299 W   43                       8  NEAR COAST OF CENTRAL CHILE. <GUC>.
04  05 46 56.7  20.627 S  178.361 W  600 G  4.7      0.8     50  FIJI ISLANDS REGION
04  05 50 01.5* 23.606 N   94.582 E   33 N  4.3      0.9     15  MYANMAR-INDIA BORDER REGION
04  05 59 13.1* 21.188 S  179.243 W  600 G  4.1      0.7     17  FIJI ISLANDS REGION
04  05 59 49.8& 34.014 S   72.133 W   15                       9  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
04  06 00 25.1  28.109 N  139.383 E  516 *  4.7      1.0     43  BONIN ISLANDS REGION
04  06 10 50.6& 32.580 S   71.588 W   49                      11  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
04  06 23 07.4  17.111 S  179.332 W  550 G  4.3      0.6     40  FIJI ISLANDS REGION
04  07 26 35.8& 32.801 S   71.679 W   12                      11  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
04  07 42 57.8& 32.322 S   71.394 W   43                      10  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
04  07 51 41.6* 21.564 N  143.697 E  200 G  3.9      0.9     11  MARIANA ISLANDS REGION
04  07 58 10.9& 31.844 S   71.853 W   27                       8  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
04  07 58 28.9& 63.264 N  151.081 W   12                      83  CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.6 (PMR).
04  07 59 50.2&  8.186 N   82.783 W    3                       5  PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.9 (UPA).
04  08 17 18.8& 33.232 S   71.995 W   40                      11  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
04  08 30 04.1* 12.792 N  144.198 E   33 N  4.3      1.1     22  SOUTH OF MARIANA ISLANDS
04  09 18 27.9& 54.607 N  160.925 W   15                      10  ALASKA PENINSULA. <AEIC>. ML 2.5 (AEIC).
04  09 22 58.3  49.792 N    8.518 E   10 G            1.3     11  GERMANY. ML 2.2 (STR), 2.1 (UCC).
04  09 24 54.4& 16.849 N  100.182 W   27                       7  NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).
04  09 34 57.8& 34.598 S   70.261 W  152                      10  CHILE-ARGENTINA BORDER REGION. <GUC>.
04  09 46 40.2* 44.305 N    7.631 E   10 G            0.6      8  NORTHERN ITALY. ML 2.0 (LDG), 1.6 (STR).
04  10 51 47.9?  5.08  S  144.72  E   33 N  3.8      1.6     11  NEW GUINEA, PAPUA NEW GUINEA. ML 4.4 (PMG).
04  10 51 48.7? 51.59  N  151.12  E  500 G  3.9      0.8      9  SEA OF OKHOTSK
04  11 05 26.0* 51.429 N   14.317 E   10 G            1.2      6  GERMANY. ML 3.2 (VIE).
04  11 05 37.6& 32.968 N  116.371 W   15                      21  CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.0 (PAS). MD
                                                                  3.1 (ECX).
04  11 13 37.5* 51.396 N   15.962 E    5 G            1.0      8  POLAND. ML 3.3 (VIE), 2.9 (WAR).
04  11 31 09.4  38.898 N    0.558 W   10 G            1.1     27  SPAIN. mbLg 2.9 (MDD). Felt (III) at Elda and Novelda.
04  11 41 58.9  37.341 N   57.265 E   33 N  5.1 4.9  1.0    148  TURKMENISTAN-IRAN BORDER REGION. Mw 5.3 (HRV). Some damage
                                                                  in Khorasan Province, Iran. Felt (IV) at Ashgabat,
                                                                  Turkmenistan.
                                                                 Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  11:41:58.8; Lat 37.47 N; Lon 57.45 E; Dep 15.0 Fix; Half-
                                                                  duration 1.1 sec; Principal axes (scale 10**17 Nm): (T)
                                                                  Val=1.18, Plg=0, Azm=118; (N) Val=-0.11, Plg=82, Azm=28;
                                                                  (P) Val=-1.08, Plg=8, Azm=208; Best double couple:
                                                                  Mo=1.1*10**17 Nm; NP1: Strike=252, Dip=84, Slip=-6; NP2:
                                                                  Strike=343, Dip=84, Slip=-174.
04  11 46 50.1  52.924 S   21.795 E   10 G  4.8 4.5  0.9     37  SOUTH OF AFRICA
04  12 01 08.5& 10.874 N   62.001 W   84                       7  NEAR COAST OF VENEZUELA. <TRN>. MD 3.3 (TRN).
04  12 16 26.6& 32.755 S   70.967 W   64                       8  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
04  12 18 18.2  41.207 N  137.986 E  262 *  4.3      1.1     37  EASTERN SEA OF JAPAN
04  12 23 16.3& 44.300 N    7.600 E    2                       4  NORTHERN ITALY. <LDG>. ML 2.3 (LDG).
04  12 28 36.0  52.920 S   21.857 E   10 G  5.1 5.1  1.0     72  SOUTH OF AFRICA. Mw 5.4 (HRV).
                                                                 Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  12:28:40.3; Lat 52.85 S; Lon 22.29 E; Dep 15.0 Fix; Half-
                                                                  duration 1.3 sec; Principal axes (scale 10**17 Nm): (T)
                                                                  Val=1.49, Plg=1, Azm=192; (N) Val=0.31, Plg=3, Azm=102; (P)
                                                                  Val=-1.81, Plg=87, Azm=298; Best double couple:
                                                                  Mo=1.6*10**17 Nm; NP1: Strike=285, Dip=44, Slip=-86; NP2:
                                                                  Strike=99, Dip=46, Slip=-94.
04  13 03 17.0? 52.79  S   21.74  E   10 G  4.2      1.1     14  SOUTH OF AFRICA
04  14 43 12.7& 33.118 S   70.295 W    8                      10  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
04  14 57 23.1& 33.838 S   72.024 W   10                      10  OFF COAST OF CENTRAL CHILE. <GUC>.
04  15 06 28.0& 19.230 N   64.660 W   60                       9  VIRGIN ISLANDS. <MPR>. MD 3.8 (MPR).
04  15 33 19.5& 33.297 S   70.194 W  108                      11  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
04  15 51 01.8  56.676 S  147.434 E   10 G  5.3 5.5  1.0     68  WEST OF MACQUARIE ISLAND. Mw 5.8 (HRV).
                                                                 Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  15:51:07.5; Lat 56.86 S; Lon 147.22 E; Dep 15.0 Fix; Half-
                                                                  duration 1.9 sec; Principal axes (scale 10**17 Nm): (T)
                                                                  Val=5.52, Plg=17, Azm=32; (N) Val=-0.59, Plg=69, Azm=251;
                                                                  (P) Val=-4.93, Plg=13, Azm=126; Best double couple:
                                                                  Mo=5.2*10**17 Nm; NP1: Strike=170, Dip=69, Slip=3; NP2:
                                                                  Strike=78, Dip=87, Slip=159.
04  15 58 29.0  41.982 N   20.118 E   10 G            1.3     35  ALBANIA
04  16 01 30.8& 32.334 S   71.393 W   44                      10  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
04  16 52 08.3*  6.623 S  154.561 E  118 *  4.4      1.4     21  SOLOMON ISLANDS
04  17 31 51.0  35.445 N   29.544 E   33 N  4.2      0.9     47  EASTERN MEDITERRANEAN SEA. ML 4.1 (GII).
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04	17	35	04.7	0.609	S	80.399	W	33	N	5.4	5.1	1.0	257	NEAR COAST OF ECUADOR. Felt in the Bahia de Caraquez area.
04	17	37	28.4	8.354	S	120.496	E	236	*	4.3		0.9	14	FLORES REGION, INDONESIA
04	17	48	20.9	52.909	S	22.028	E	10	G	5.0	5.4	1.1	62	SOUTH OF AFRICA. Mw 5.8 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 17:48:25.9; Lat 51.73 S; Lon 22.26 E; Dep 15.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.00, Plg=44, Azm=173; (N) Val=0.21, Plg=10, Azm=273; (P) Val=-6.21, Plg=44, Azm=13; Best double couple: Mo=6.1*10**17 Nm; NP1: Strike=183, Dip=10, Slip=179; NP2: Strike=273, Dip=90, Slip=80.
04	17	48	55.3*	52.963	S	21.784	E	10	G	5.1		1.2	27	SOUTH OF AFRICA
04	18	22	12.6&	32.322	S	71.396	W	41					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
04	18	50	47.3&	31.515	S	69.848	W	150					11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.3 (GUC).
04	18	57	49.4&	32.336	S	71.392	W	45					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
04	18	59	20.1	0.593	S	80.393	W	33	N	6.2	7.1	0.9	412	NEAR COAST OF ECUADOR. Mw 7.2 (HRV), 7.0 (GS). Me 6.9 (GS). Ms 7.1 (BRK). Three people killed and forty injured in the Bahia de Caraquez-Canoa area. Approximately sixty percent of the buildings at Canoa severely damaged. Electricity, telephone and water services disrupted and most buildings with three or more stories damaged at Bahia de Caraquez. Considerable damage in many other parts of western Manabi Province. Landslides blocked a road between Bahia de Caraquez and Canoa. Felt strongly at Guayaquil and Quito. Felt in much of Ecuador and also at Cali, Colombia.
														Broadband Source Parameters (GS): Dep 20; NP1: Strike=172, Dip=77, Slip=70; NP2: Strike=50, Dip=24, Slip=146; Radiated energy 4.9*10**14 Nm. Two large events occurring about 3 and 7 seconds after small onset. Depth based on first large event.
														Moment Tensor (GS): Dep 23; Principal axes (scale 10**19 Nm): (T) Val=4.27, Plg=52, Azm=58; (N) Val=-0.06, Plg=25, Azm=185; (P) Val=-4.21, Plg=26, Azm=289; Best double couple: Mo=4.2*10**19 Nm; NP1: Strike=62, Dip=29, Slip=150; NP2: Strike=178, Dip=76, Slip=64.
														Centroid, Moment Tensor (HRV): Centroid origin time 18:59:29.2; Lat 0.57 S; Lon 80.48 W; Dep 25.6; Half-duration 8.7 sec; Principal axes (scale 10**19 Nm): (T) Val=6.39, Plg=56, Azm=72; (N) Val=-0.03, Plg=8, Azm=174; (P) Val=-6.35, Plg=32, Azm=269; Best double couple: Mo=6.4*10**19 Nm; NP1: Strike=27, Dip=15, Slip=124; NP2: Strike=172, Dip=78, Slip=82.
														Scalar Moment (PPT): Mo=4.5*10**19 Nm.
04	19	14	05.9*	51.581	N	7.569	E	10	G			1.0	13	GERMANY. ML 3.0 (LDG), 2.7 (UCC).
04	19	34	47.1&	31.263	S	71.769	W	21					5	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
04	20	04	09.5*	0.853	S	79.920	W	33	N	4.6		1.1	13	ECUADOR
04	20	59	52.9&	34.272	S	70.237	W	118					9	CHILE-ARGENTINA BORDER REGION. <GUC>.
04	21	07	35.2&	19.130	N	64.510	W	56					8	VIRGIN ISLANDS. <MPR>. MD 3.6 (MPR).
04	21	21	45.6?	19.49	S	178.36	W	600	G	4.4		0.6	12	FIJI ISLANDS REGION
04	21	23	40.9*	18.210	S	71.194	W	94	*	4.3		0.8	9	OFF COAST OF NORTHERN CHILE
04	21	38	50.6%	41.078	N	81.197	E	33	N			1.2	10	SOUTHERN XINJIANG, CHINA
04	22	01	06.5	9.048	S	124.579	E	33	N	4.7		1.0	14	TIMOR REGION, INDONESIA
04	22	55	28.1*	0.319	S	80.319	W	33	N	4.4		0.7	15	NEAR COAST OF ECUADOR
04	23	17	53.9&	32.326	S	71.430	W	34					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
05	00	00	00.9&	18.040	N	67.050	W	13					4	MONA PASSAGE. <MPR>. MD 2.3 (MPR).
05	00	39	49.3%	36.772	N	5.448	W	10	G			1.0	15	STRAIT OF GIBRALTAR. mbLg 2.2 (MDD).
05	01	18	46.2&	31.478	S	69.683	W	163					8	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.8 (GUC).
05	02	03	54.2*	13.739	S	166.605	E	54	*	4.5		0.9	19	VANUATU ISLANDS
05	03	16	38.5	29.329	N	68.740	E	33	N	5.2	5.3	0.9	194	PAKISTAN. Mw 5.4 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 03:16:36.1; Lat 29.10 N; Lon 68.55 E; Dep 49.9; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.41, Plg=9, Azm=97; (N) Val=0.35, Plg=79, Azm=312; (P) Val=-1.76, Plg=6, Azm=187; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=232, Dip=79, Slip=2; NP2: Strike=142, Dip=88, Slip=169.
05	03	35	18.6&	37.450	N	2.090	W	2					20	SPAIN. <MDD>. mbLg 2.7 (MDD).
05	03	40	37.7&	38.792	N	122.776	W	4					10	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
05	03	56	29.1*	21.472	S	178.179	W	445	?	4.3		0.7	37	FIJI ISLANDS REGION
05	04	27	13.3&	35.819	S	71.757	W	141					11	CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
05	04	50	03.1&	33.997	N	116.937	W	17					25	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
05	05	17	34.0&	60.133	N	152.909	W	128		3.7			40	SOUTHERN ALASKA. <AEIC>.
05	05	48	24.0*	6.071	S	148.410	E	74	*	4.5		0.9	22	NEW BRITAIN REGION, P.N.G.
05	06	23	26.6&	31.685	S	69.050	W	212					8	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
05	06	23	29.8	2.883	S	115.520	E	33	N	4.4		0.7	17	BORNEO
05	07	12	54.9&	32.691	S	71.496	W	26					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.8 (GUC).
05	07	30	54.7	5.902	N	33.084	W	10	G	5.0	4.7	0.8	118	CENTRAL MID-ATLANTIC RIDGE. Mw 5.2 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 07:31:00.1; Lat 5.68 N; Lon 32.98 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.87, Plg=17, Azm=63; (N) Val=0.01, Plg=22, Azm=326; (P) Val=-7.88, Plg=62, Azm=187; Best double couple: Mo=7.9*10**16 Nm; NP1: Strike=183, Dip=34, Slip=-48; NP2: Strike=316, Dip=65, Slip=-114.
05	07	36	03.9	40.456	N	1.773	W	10	G			1.1	12	SPAIN. ML 2.9 (LDG). mbLg 2.4 (MDD).
05	08	09	58.7*	20.927	S	169.305	E	33	N	4.0		1.1	19	VANUATU ISLANDS
05	08	57	12.0*	36.201	N	70.985	E	150	G	4.0		0.8	10	HINDU KUSH REGION, AFGHANISTAN
05	09	25	52.8	21.479	S	178.036	W	380	D	5.1		0.8	123	FIJI ISLANDS REGION. Mw 5.3 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 09:25:53.0; Lat 21.89 S; Lon 177.53 W; Dep 385.3; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.99, Plg=32, Azm=129; (N) Val=0.21, Plg=14, Azm=30; (P) Val=-1.20, Plg=54, Azm=280; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=259, Dip=18, Slip=-40; NP2:

Strike=27, Dip=79, Slip=-104.

05	09	27	01.5*	27.308	N	130.245	E	33	N	4.5	1.1	16	RYUKYU ISLANDS
05	09	29	19.3*	2.908	N	126.493	E	62	*	4.6	1.0	15	NORTHERN MOLUCCA SEA
05	10	05	49.4	56.283	N	163.182	E	33	N	4.6	0.8	74	NEAR EAST COAST OF KAMCHATKA
05	10	10	09.5&	33.077	S	70.796	W	76				9	CHILE-ARGENTINA BORDER REGION. <GUC>.
05	10	42	21.5	56.164	N	163.360	E	33	N	5.2 4.7	0.9	226	NEAR EAST COAST OF KAMCHATKA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:42:26.2; Lat 56.29 N; Lon 163.53 E; Dep 48.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.48, Plg=78, Azm=46; (N) Val=-1.16, Plg=12, Azm=212; (P) Val=-8.32, Plg=3, Azm=303; Best double couple: Mo=8.9*10**16 Nm; NP1: Strike=45, Dip=43, Slip=108; NP2: Strike=201, Dip=49, Slip=74.
05	10	47	40.6	56.258	N	163.256	E	33	N	4.5	0.7	30	NEAR EAST COAST OF KAMCHATKA
05	10	52	49.9&	31.373	S	69.533	W	183				12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.2 (GUC).
05	11	12	02.2	58.233	N	142.828	W	10	G		0.6	19	GULF OF ALASKA. ML 2.6 (PGC), 2.5 (AEIC).
05	11	26	26.1*	0.205	N	121.430	E	150	G	4.0	0.6	12	MINAHASSA PENINSULA, SULAWESI
05	11	52	35.5	31.932	S	70.552	W	112	*	4.1	0.8	19	CHILE-ARGENTINA BORDER REGION. MD 4.2 (GUC). Felt (IV) at Cabildo, Chile.
05	12	13	29.2	6.495	N	125.987	E	147	D	5.0	0.9	60	MINDANAO, PHILIPPINE ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:13:36.4; Lat 6.93 N; Lon 125.23 E; Dep 151.4; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.60, Plg=56, Azm=235; (N) Val=-0.51, Plg=11, Azm=342; (P) Val=-9.09, Plg=31, Azm=79; Best double couple: Mo=9.4*10**16 Nm; NP1: Strike=202, Dip=17, Slip=131; NP2: Strike=340, Dip=77, Slip=79.
05	12	54	25.6	54.674	S	135.521	W	10	G	5.2 5.9	1.1	36	PACIFIC-ANTARCTIC RIDGE. Mw 6.2 (HRV), 6.0 (GS). Ms 6.1 (BRK). Moment Tensor (GS): Dep 15; Principal axes (scale 10**18 Nm): (T) Val=1.27, Plg=13, Azm=343; (N) Val=-0.13, Plg=63, Azm=101; (P) Val=-1.14, Plg=23, Azm=247; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=27, Dip=64, Slip=-173; NP2: Strike=294, Dip=84, Slip=-26. Centroid, Moment Tensor (HRV): Centroid origin time 12:54:33.8; Lat 54.59 S; Lon 135.45 W; Dep 15.0 Fix; Half-duration 2.8 sec; Principal axes (scale 10**18 Nm): (T) Val=2.08, Plg=8, Azm=156; (N) Val=-0.19, Plg=82, Azm=319; (P) Val=-1.88, Plg=2, Azm=65; Best double couple: Mo=2.0*10**18 Nm; NP1: Strike=200, Dip=83, Slip=176; NP2: Strike=291, Dip=86, Slip=7. Scalar Moment (PPT): Mo=4.5*10**18 Nm.
05	13	03	38.7*	49.033	N	146.666	E	600	G	3.8	1.0	22	SEA OF OKHOTSK
05	13	35	46.6&	36.882	N	121.613	W	6				10	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).
05	13	35	52.8&	63.499	N	151.158	W	11				40	CENTRAL ALASKA. <AEIC>. ML 3.7 (AEIC), 4.0 (PMR).
05	13	44	28.7&	37.582	N	118.790	W	5				49	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 4.1 (GM), 4.1 (BRK).
05	13	46	37.6*	41.525	N	81.571	E	33	N	4.1	0.6	9	SOUTHERN XINJIANG, CHINA
05	14	27	00.3	33.208	N	46.251	E	33	N	5.0 4.9	0.9	183	IRAN-IRAQ BORDER REGION. Mw 5.6 (HRV). Felt in Ilam Province, Iran. Centroid, Moment Tensor (HRV): Centroid origin time 14:27:00.5; Lat 33.50 N; Lon 46.00 E; Dep 33.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.66, Plg=59, Azm=331; (N) Val=-1.01, Plg=12, Azm=220; (P) Val=-2.66, Plg=28, Azm=123; Best double couple: Mo=3.2*10**17 Nm; NP1: Strike=183, Dip=20, Slip=52; NP2: Strike=43, Dip=74, Slip=103.
05	15	31	14.6&	31.133	S	71.758	W	23				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
05	15	56	43.4	39.663	N	77.086	E	33	N	4.5	0.9	30	SOUTHERN XINJIANG, CHINA
05	16	40	11.2&	44.749	N	8.179	E	20				8	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
05	16	49	56.4	18.023	N	100.224	W	68		4.6	0.9	88	GUERRERO, MEXICO. MD 4.4 (UNM).
05	18	20	00.1&	34.476	S	70.747	W	105				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
05	18	47	19.6&	33.146	S	70.292	W	6				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
05	19	18	48.3*	11.552	N	142.473	E	33	N	3.7	1.1	10	SOUTH OF MARIANA ISLANDS
05	20	46	29.0*	17.580	S	70.230	W	100	G		0.8	10	NEAR COAST OF PERU. Felt (II) at Arequipa.
05	21	49	42.4&	32.290	S	70.974	W	66				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
05	22	00	43.4	25.149	S	179.584	W	450	G	4.6	0.8	63	SOUTH OF FIJI ISLANDS
05	22	17	19.1*	28.289	S	177.530	W	70	D	4.4	1.0	18	KERMADEC ISLANDS REGION
05	22	31	03.4&	32.387	S	71.391	W	43				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
05	23	12	05.9&	18.320	N	65.950	W	135				6	PUERTO RICO REGION. <MPR>. MD 3.7 (MPR).
06	00	12	58.0&	34.668	S	72.331	W	22				7	NEAR COAST OF CENTRAL CHILE. <GUC>.
06	00	20	32.0&	37.140	N	3.720	W	0	G			12	SPAIN. <MDD>. mbLg 1.9 (MDD).
06	00	54	17.7*	2.669	S	138.868	E	33	N	4.0	1.1	13	IRIAN JAYA, INDONESIA
06	01	35	20.4&	33.627	S	70.370	W	101				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
06	01	36	02.9?	51.59	N	16.08	E	5	G		0.4	5	POLAND. ML 2.8 (WAR).
06	02	35	49.5&	31.213	S	69.652	W	170				8	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
06	02	43	40.5	52.417	N	131.252	W	10	G	4.0	1.1	31	QUEEN CHARLOTTE ISLANDS REGION. ML 4.4 (PGC), 4.3 (PMR).
06	03	06	19.0&	37.570	N	118.800	W	3				14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.8 (GM).
06	03	29	12.5&	34.292	N	116.846	W	6				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
06	03	51	09.2?	30.97	S	68.36	W	150	G		1.0	11	SAN JUAN PROVINCE, ARGENTINA
06	03	56	53.5%	28.145	N	130.288	E	33	N		0.8	6	RYUKYU ISLANDS
06	04	12	44.8&	33.997	S	71.388	W	60				6	NEAR COAST OF CENTRAL CHILE. <GUC>.
06	04	23	24.6&	60.149	N	153.108	W	111				36	SOUTHERN ALASKA. <AEIC>.
06	04	30	00.4&	33.941	S	72.209	W	33				7	OFF COAST OF CENTRAL CHILE. <GUC>.
06	04	40	48.8%	12.989	N	125.724	E	33	N		0.5	8	SAMAR, PHILIPPINE ISLANDS
06	04	44	54.6&	32.381	S	71.398	W	43				6	NEAR COAST OF CENTRAL CHILE. <GUC>.
06	04	56	35.9&	32.561	S	70.840	W	92				10	CHILE-ARGENTINA BORDER REGION. <GUC>.
06	06	05	44.1	21.841	S	169.815	E	33	N	4.7 5.0	1.2	58	LOYALTY ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:05:46.8; Lat 21.98 S; Lon 169.73 E; Dep 20.4; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.94, Plg=73, Azm=25; (N) Val=0.15, Plg=6, Azm=134; (P) Val=-2.09, Plg=16, Azm=226; Best double couple:

													Mo=2.0*10**17 Nm; NP1: Strike=324, Dip=30, Slip=101; NP2: Strike=131, Dip=61, Slip=84.
06	07	54	07.5&	32.459	S	71.342	W	37				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
06	07	56	06.4*	37.285	N	71.457	E	100	G	4.1	0.9	10	AFGHANISTAN-TAJIKISTAN BORD REG.
06	08	13	48.9*	32.008	N	47.240	E	33	N	4.2	1.2	14	IRAN-IRAQ BORDER REGION
06	08	18	35.4&	45.200	N	4.100	E	2				7	FRANCE. <LDG>. ML 2.3 (LDG).
06	08	27	11.3*	14.704	N	120.342	E	150	G	3.9	0.5	9	LUZON, PHILIPPINE ISLANDS
06	08	32	40.4?	54.65	S	136.06	W	10	G		1.0	6	PACIFIC-ANTARCTIC RIDGE
06	08	46	53.1?	24.89	S	179.51	E	600	G	3.9	0.5	10	SOUTH OF FIJI ISLANDS
06	09	15	37.9*	54.399	S	135.953	W	10	G	4.8 4.9	0.9	24	PACIFIC-ANTARCTIC RIDGE. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:15:45.6; Lat 54.86 S; Lon 134.86 W; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=1.72, Plg=0, Azm=169; (N) Val=-0.72, Plg=90, Azm=180; (P) Val=-1.00, Plg=0, Azm=79; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=214, Dip=90, Slip=-180; NP2: Strike=304, Dip=90, Slip=0.
06	09	28	19.9*	57.408	N	120.517	E	33	N	4.0	1.0	12	SOUTHEASTERN SIBERIA, RUSSIA
06	09	40	22.4&	33.955	S	72.215	W	14				7	OFF COAST OF CENTRAL CHILE. <GUC>.
06	09	41	05.3	20.421	S	178.727	W	600	G	4.2	0.8	43	FIJI ISLANDS REGION
06	09	47	22.3?	13.06	N	143.68	E	226	*	3.9	0.9	9	SOUTH OF MARIANA ISLANDS
06	10	21	37.0?	23.55	S	179.78	E	550	G	4.0	0.5	12	SOUTH OF FIJI ISLANDS
06	11	02	28.9*	0.069	S	80.405	W	33	N	4.0	0.9	10	NEAR COAST OF ECUADOR
06	11	03	45.8%	45.121	N	28.394	E	5	G		0.8	7	UKRAINE-MOLDOVA-SW RUSSIA REGION
06	12	07	08.7?	20.72	S	178.98	W	600	G	3.9	1.1	16	FIJI ISLANDS REGION
06	12	09	39.0?	54.97	S	135.81	W	10	G	4.5	1.2	13	PACIFIC-ANTARCTIC RIDGE
06	13	45	28.6	30.969	N	41.522	W	10	G	4.6 4.5	0.8	28	NORTHERN MID-ATLANTIC RIDGE
06	14	38	12.0&	19.070	N	68.338	W	10				6	NORTH ATLANTIC OCEAN. <MPR>. MD 3.2 (MPR).
06	14	57	36.0?	25.90	S	178.77	W	350	G	4.2	1.3	23	SOUTH OF FIJI ISLANDS
06	15	04	22.8*	32.388	S	68.227	W	5	G		1.5	11	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (GUC).
06	15	22	48.6	51.660	N	177.280	W	45	D	4.9	0.8	128	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.1 (PMR). Felt on Adak.
06	15	35	32.4	17.464	S	178.834	W	550	G	4.4	0.9	36	FIJI ISLANDS REGION
06	17	07	44.7&	32.635	S	71.615	W	28				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
06	17	59	37.2*	32.280	S	67.505	W	33	N		1.3	11	MENDOZA PROVINCE, ARGENTINA. MD 3.6 (GUC).
06	18	06	19.7&	44.597	N	7.158	E	10				16	NORTHERN ITALY. <GEN>. ML 2.2 (GEN), 1.8 (LDG).
06	18	11	20.0	49.134	N	128.829	W	10	G	4.1	0.8	85	VANCOUVER ISLAND REGION
06	18	17	24.5	49.120	N	129.034	W	10	G	4.4	0.8	108	VANCOUVER ISLAND REGION. ML 4.5 (PGC).
06	18	19	54.3*	32.372	S	67.528	W	33	N		1.0	9	MENDOZA PROVINCE, ARGENTINA. MD 3.3 (GUC).
06	18	22	07.1	41.953	N	107.190	W	10	G		0.8	22	WYOMING. ML 3.6 (GS). Felt in the Rawlins and Sinclair areas
06	20	28	42.3	51.606	N	16.182	E	5	G		0.6	14	POLAND. ML 3.2 (VIE), 3.0 (WAR).
06	20	49	56.4*	7.086	S	129.278	E	186	?	4.2	0.9	9	BANDA SEA
06	20	51	07.8&	54.095	N	163.165	W	57				11	UNIMAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
06	21	33	09.9?	31.94	N	50.65	E	33	N	4.1	1.2	6	NORTHERN IRAN
06	21	59	52.7	38.125	N	20.366	E	33	N	3.7	1.4	30	GREECE. ML 3.7 (ROM).
06	22	44	12.8*	36.385	N	70.655	E	143	D	3.8	1.0	10	HINDU KUSH REGION, AFGHANISTAN
06	23	04	03.6&	62.058	N	147.972	W	37				41	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 2.9 (PMR).
06	23	29	39.6*	43.710	N	139.448	E	234	?	4.0	1.0	16	EASTERN SEA OF JAPAN
07	00	25	53.7	50.759	N	16.178	E	5	G		1.3	8	POLAND. ML 3.2 (VIE), 2.5 (WAR).
07	00	34	00.2&	44.800	N	6.600	E	2				14	FRANCE. <LDG>. ML 2.1 (GEN), 1.8 (LDG).
07	01	08	22.7*	59.443	S	151.034	W	10	G	4.7 4.9	1.4	14	PACIFIC-ANTARCTIC RIDGE. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:08:27.8; Lat 59.33 S; Lon 150.53 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.65, Plg=31, Azm=158; (N) Val=-0.78, Plg=43, Azm=35; (P) Val=-8.86, Plg=32, Azm=270; Best double couple: Mo=9.2*10**16 Nm; NP1: Strike=304, Dip=43, Slip=-1; NP2: Strike=34, Dip=90, Slip=-133.
07	01	29	45.2&	32.360	S	71.446	W	38				5	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
07	01	36	12.6	37.728	N	43.453	E	10	G	4.6 4.0	1.3	89	TURKEY
07	01	40	16.2*	59.586	S	150.715	W	10	G	4.9 5.6	1.4	17	PACIFIC-ANTARCTIC RIDGE. Mw 5.9 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:40:23.9; Lat 59.86 S; Lon 150.62 W; Dep 15.0 Fix; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=8.19, Plg=14, Azm=347; (N) Val=0.31, Plg=68, Azm=115; (P) Val=-8.50, Plg=16, Azm=253; Best double couple: Mo=8.4*10**17 Nm; NP1: Strike=31, Dip=69, Slip=-178; NP2: Strike=300, Dip=88, Slip=-21.
07	02	21	15.7&	16.694	N	99.814	W	7				18	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
07	03	00	08.8?	29.33	N	139.10	E	430	?		1.3	7	SOUTH OF HONSHU, JAPAN
07	03	06	39.0*	0.916	S	80.881	W	33	N	4.1	0.9	12	NEAR COAST OF ECUADOR
07	03	17	03.7&	33.091	S	71.086	W	60				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
07	03	31	01.5&	45.200	N	6.800	E	2				4	FRANCE. <LDG>.
07	04	14	37.0	20.505	S	177.721	W	486	D	5.1	0.9	177	FIJI ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:14:45.4; Lat 20.26 S; Lon 177.55 W; Dep 515.5; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.70, Plg=30, Azm=39; (N) Val=-0.45, Plg=3, Azm=131; (P) Val=-1.25, Plg=60, Azm=226; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=120, Dip=16, Slip=-101; NP2: Strike=311, Dip=75, Slip=-87.
07	04	27	02.0&	45.400	N	5.900	E	2				5	FRANCE. <LDG>. ML 1.6 (LDG).
07	04	38	11.7*	59.482	S	151.374	W	10	G	4.4 4.4	0.9	8	PACIFIC-ANTARCTIC RIDGE
07	05	32	14.5*	45.535	N	15.315	E	5	G		0.4	7	NORTHWESTERN BALKAN REGION. MD 2.7 (LJU). ML 2.6 (VIE).
07	05	47	14.6*	36.340	N	137.678	E	10	G		1.1	6	EASTERN HONSHU, JAPAN
07	05	50	42.0	0.811	S	80.417	W	33	N	4.6	1.2	40	NEAR COAST OF ECUADOR
07	06	05	15.5*	59.431	S	151.758	W	10	G	4.6	1.0	11	PACIFIC-ANTARCTIC RIDGE
07	06	11	49.4*	4.244	N	125.591	E	124	*	4.6	0.9	19	TALAUD ISLANDS, INDONESIA
07	06	48	18.7&	16.635	N	61.445	W	20				4	LEEWARD ISLANDS. <TRN>. MD 3.1 (TRN).
07	07	03	35.8&	36.715	N	121.010	W	5				14	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK).
07	07	19	29.6?	11.93	N	143.63	E	66	?		0.9	7	SOUTH OF MARIANA ISLANDS
07	07	39	28.2&	43.670	N	7.530	E	2	G			5	NEAR SOUTH COAST OF FRANCE. <STR>. ML 1.9 (STR).
07	07	52	15.1*	42.839	N	145.051	E	58	?	4.5	1.3	15	HOKKAIDO, JAPAN REGION. Felt (I JMA) in eastern Hokkaido.
07	08	08	02.3&	59.891	N	149.574	W	7				78	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC), 3.5 (PMR).

07	08	35	46.6&	32.324	S	71.303	W	45				7	NEAR COAST OF CENTRAL CHILE. <GUC>.
07	08	48	25.3%	40.662	S	173.003	E	5	G		0.4	10	COOK STRAIT, NEW ZEALAND. ML 4.0 (WEL).
07	09	39	47.4&	44.410	N	4.910	E	5	G			5	FRANCE. <STR>. ML 2.3 (STR).
07	09	53	19.6*	15.897	S	176.326	W	300	G	3.8	0.8	13	FIJI ISLANDS REGION
07	11	33	28.1*	25.779	N	102.622	E	10	G	4.1	1.3	11	YUNNAN, CHINA. ML 3.7 (BJI).
07	12	07	52.3&	32.361	S	71.395	W	46				9	NEAR COAST OF CENTRAL CHILE. <GUC>.
07	12	26	13.1&	32.361	S	71.428	W	44				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
07	12	58	54.4*	35.245	N	77.817	E	66	?	4.1	0.9	11	EASTERN KASHMIR
07	13	06	41.0*	39.560	N	77.243	E	33	N	4.1	1.5	17	SOUTHERN XINJIANG, CHINA
07	13	08	50.6	47.733	N	154.101	E	33	N	4.7 3.8	1.0	90	KURIL ISLANDS
07	13	55	06.2&	43.520	N	4.920	E	2	G			4	NEAR SOUTH COAST OF FRANCE. <STR>. ML 2.0 (STR).
07	14	19	11.0&	33.116	S	70.274	W	8				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
07	14	19	51.4*	9.391	S	158.848	E	33	N	3.7	0.9	9	SOLOMON ISLANDS
07	15	11	48.9*	53.337	N	161.972	W	33	N		0.6	8	SOUTH OF ALASKA
07	15	21	15.1&	30.968	S	71.065	W	13				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
07	15	25	24.6*	14.430	N	92.229	W	67	*	4.4	1.0	32	NEAR COAST OF CHIAPAS, MEXICO
07	15	32	32.9&	33.431	S	72.420	W	34				23	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.6 (GUC).
07	15	44	04.8&	32.329	S	71.384	W	43				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC). Felt (III) at Papudo and (II) at Quillota and Valparaiso.
07	16	28	33.4&	33.420	S	72.329	W	36				17	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC).
07	17	07	23.0&	9.114	N	79.663	W	1				6	PANAMA. <UPA>. MD 3.1 (UPA).
07	17	25	54.9*	21.820	N	143.060	E	150	G	3.9	0.7	9	MARIANA ISLANDS REGION
07	17	34	37.5	48.350	N	152.764	E	165	D	4.8	0.8	136	KURIL ISLANDS
07	17	47	03.9	0.426	N	125.517	E	51	D	4.9	1.0	55	NORTHERN MOLUCCA SEA
07	18	05	00.8?	20.65	S	178.96	W	550	G	4.1	1.0	19	FIJI ISLANDS REGION
07	18	05	31.7&	49.690	N	8.510	E	2	G			16	GERMANY. <STR>. ML 2.2 (STR), 2.2 (GRF).
07	18	18	17.3&	33.426	S	72.338	W	15				11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
07	18	18	38.4&	9.292	N	78.624	W	68				7	PANAMA. <UPA>. MD 3.8 (UPA).
07	18	47	19.2&	37.470	N	4.000	W	10				11	SPAIN. <MDD>. mbLg 1.6 (MDD).
07	19	21	29.0*	39.910	N	143.199	E	33	N	4.4	1.1	8	OFF EAST COAST OF HONSHU, JAPAN
07	19	33	53.2&	33.710	N	118.413	W	6	G			6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
07	20	10	37.0?	40.51	S	75.23	W	33	N	4.0	0.9	7	OFF COAST OF SOUTHERN CHILE
07	20	15	08.2*	9.425	S	158.819	E	33	N	3.3	0.6	6	SOLOMON ISLANDS
07	20	37	06.2?	11.69	N	86.49	W	33	N	4.3	1.2	9	NEAR COAST OF NICARAGUA
07	20	39	07.7&	37.510	N	3.960	W	5				14	SPAIN. <MDD>. mbLg 1.6 (MDD).
07	21	08	37.7	30.213	N	88.162	E	33	N	4.3	1.2	37	XIZANG
07	22	08	01.8*	9.133	N	125.773	E	110	*	4.4	0.7	12	MINDANAO, PHILIPPINE ISLANDS
07	22	14	28.8*	7.065	S	156.067	E	33	N	3.8	1.3	12	SOLOMON ISLANDS
07	22	18	56.7*	4.267	S	143.128	E	104	*	3.9	1.4	12	NEW GUINEA, PAPUA NEW GUINEA
07	22	21	56.0&	32.334	S	71.408	W	41				9	NEAR COAST OF CENTRAL CHILE. <GUC>.
07	22	41	36.7&	44.681	N	8.773	E	1				21	NORTHERN ITALY. <GEN>. ML 2.2 (GEN), 1.9 (LDG).
07	22	47	22.0&	59.953	N	153.501	W	137				16	SOUTHERN ALASKA. <AEIC>.
07	22	48	06.3?	22.23	S	68.52	W	150	*	4.0	0.6	7	NORTHERN CHILE
07	23	36	06.3*	23.550	S	66.464	W	225		4.2	0.9	9	JUJUY PROVINCE, ARGENTINA
07	23	50	54.0*	6.214	S	130.369	E	150	G	4.2	1.3	10	BANDA SEA
07	23	56	53.2?	51.46	N	16.20	E	5	G		0.4	5	POLAND
08	00	06	34.1*	15.287	N	94.962	W	33	N	4.0	1.3	17	NEAR COAST OF OAXACA, MEXICO. MD 4.2 (UNM).
08	00	31	08.8*	9.419	S	117.974	E	33	N		0.7	6	SUMBAWA REGION, INDONESIA
08	00	50	13.2&	35.987	S	72.975	W	7				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
08	01	17	18.5*	52.418	N	163.596	W	33	N	4.4	0.8	13	SOUTH OF ALASKA
08	02	01	00.1&	44.341	N	7.291	E	15				15	NORTHERN ITALY. <GEN>. ML 1.9 (GEN), 1.6 (LDG).
08	02	18	19.2&	36.390	N	7.600	W	8				15	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.2 (MDD).
08	02	41	22.6&	32.368	S	71.401	W	43				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
08	03	10	47.6&	43.100	N	0.200	W	11				15	PYRENEES. <LDG>. ML 3.0 (STR), 2.5 (LDG).
08	03	34	00.9&	32.360	S	71.298	W	44				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
08	04	05	07.4*	8.138	N	125.687	E	33	N	4.5	1.2	20	MINDANAO, PHILIPPINE ISLANDS
08	06	57	39.5&	37.570	N	118.781	W	9				22	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.4 (BRK).
08	07	26	15.9&	35.252	S	71.002	W	110				11	CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
08	08	01	38.2&	18.010	N	66.610	W	13				9	PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
08	08	17	36.6	22.525	S	10.647	W	10	G	4.6	0.9	29	SOUTHERN MID-ATLANTIC RIDGE
08	08	50	01.5*	14.133	S	167.245	E	200	G	4.3	1.0	60	VANUATU ISLANDS
08	09	38	59.6&	37.521	N	121.692	W	9				16	CENTRAL CALIFORNIA. <GM-P>. Mw 3.1 (BRK). MD 3.0 (GM). ML 3.1 (BRK). Moment Tensor (BRK): Dep 8; Principal axes (scale 10**13 Nm): (T) Val=4.64, Plg=1, Azm=316; (N) Val=0.00, Plg=77, Azm=224; (P) Val=-4.64, Plg=13, Azm=46; Best double couple: Mo=4.6*10**13 Nm; NP1: Strike=182, Dip=81, Slip=-170; NP2: Strike=90, Dip=80, Slip=-9.
08	09	53	20.7&	62.065	N	150.606	W	68				29	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
08	10	09	07.0*	85.638	N	14.292	E	10	G	4.3	1.2	9	NORTH OF SVALBARD
08	10	36	14.8	49.226	N	0.435	W	10	G		1.0	31	FRANCE. ML 3.5 (LDG), 3.3 (STR).
08	10	46	35.4&	17.870	N	66.850	W	21				4	PUERTO RICO REGION. <MPR>. MD 2.2 (MPR).
08	10	56	19.8&	33.688	S	70.417	W	105				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
08	11	03	52.9&	45.000	N	7.200	E	2				4	NORTHERN ITALY. <LDG>. ML 1.6 (LDG).
08	12	10	28.8?	46.24	N	15.81	E	10	G		0.6	6	NORTHWESTERN BALKAN REGION. MD 2.5 (LJU). ML 2.4 (VIE).
08	13	26	46.2*	12.792	S	123.443	E	33	N	4.2	1.0	15	SOUTH OF TIMOR, INDONESIA
08	13	47	26.0*	13.417	S	166.545	E	100	G	4.4	1.0	12	VANUATU ISLANDS
08	13	59	10.5*	20.313	S	67.912	W	172	*		1.3	6	SOUTHERN BOLIVIA
08	14	05	40.1*	1.788	N	123.944	E	200	G	4.1	0.7	10	MINAHASSA PENINSULA, SULAWESI
08	14	25	49.3	30.650	S	71.372	W	44	D	4.7	0.9	60	NEAR COAST OF CENTRAL CHILE. MD 4.7 (GUC). Felt (IV) at Combarbala, Hurtado and Ovalle; (III) at La Serena.
08	16	01	05.6*	13.057	S	166.346	E	33	N	4.6	0.6	8	VANUATU ISLANDS
08	16	07	56.1	0.225	N	122.246	E	186	*	5.2	1.1	82	MINAHASSA PENINSULA, SULAWESI. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:07:49.9; Lat 0.10 N; Lon 122.60 E; Dep 161.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.51, Plg=45, Azm=133; (N) Val=-1.88, Plg=44, Azm=305; (P) Val=-5.63, Plg=4, Azm=39; Best double couple: Mo=6.6*10**16 Nm; NP1: Strike=166, Dip=56, Slip=147; NP2: Strike=275, Dip=63, Slip=38.
08	16	26	49.1&	37.420	N	119.941	W	27				17	CENTRAL CALIFORNIA. <GM-P>. MD 3.6 (GM). ML 3.3 (BRK). Felt from Mariposa to Oakhurst.

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08  16 42 47.5& 38.830 N    0.130 W    7                        10  SPAIN. <MDD>. mbLg 2.4 (MDD).
08  17 04 42.7  32.995 S   70.119 W   10 G  4.5       1.0     38  CHILE-ARGENTINA BORDER REGION. MD 4.5 (GUC). Felt (II) at
                                                                    San Antonio and Santiago, Chile.
08  17 22 35.9& 32.995 S   70.142 W    4                         9  CHILE-ARGENTINA BORDER REGION. <GUC>.
08  17 37 50.6  46.085 N   14.311 E   10 G        0.6       8  NORTHWESTERN BALKAN REGION. ML 2.6 (VIE). MD 2.2 (LJU).
08  17 39 05.2& 32.991 S   70.168 W    7                        10  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
08  18 06 07.1  36.326 N   71.352 E  128 D  4.5       0.9     46  AFGHANISTAN-TAJIKISTAN BORD REG.
08  18 33 34.7* 22.349 S  169.870 E   33 N  4.4 4.6    1.3     19  LOYALTY ISLANDS REGION
08  18 39 54.4* 25.814 N  110.453 W   10 G  4.4        1.2     37  GULF OF CALIFORNIA
08  19 59 18.0& 36.105 N  120.039 W    9                        10  CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).
08  20 33 08.3& 63.053 N  149.682 W   89                        36  CENTRAL ALASKA. <AEIC>.
08  20 46 40.6& 16.977 N   61.578 W   55                         6  LEEWARD ISLANDS. <TRN>. MD 3.7 (TRN).
08  21 41 28.8  44.487 N    6.941 E    5 G        0.7       55  FRANCE. ML 3.0 (GEN), 2.7 (LDG), 2.7 (STR).
08  21 48 16.8& 44.674 N    6.994 E    3                        12  FRANCE. <GEN>. ML 1.9 (GEN), 1.6 (LDG).
08  22 21 59.0& 37.671 N  118.846 W    6                        22  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.
                                                                    (BRK).
08  22 23 08.7& 37.668 N  118.844 W    6                        35  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.
                                                                    (BRK).
08  23 13 30.8& 37.567 N  118.783 W    8                         6  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
08  23 20 58.6  27.859 S   66.854 W  168     4.1       1.0     24  CATAMARCA PROVINCE, ARGENTINA
08  23 30 08.9& 61.112 N  152.148 W  116                        36  SOUTHERN ALASKA. <AEIC>.
08  23 38 54.9& 58.445 N  152.677 W   38                        26  KODIAK ISLAND REGION. <AEIC>. ML 2.6 (AEIC).
08  23 55 31.8? 7.71  N   93.83  E   33 N  4.3       1.2     13  NICOBAR ISLANDS, INDIA
09  00 19 39.2& 54.278 N  160.962 W   20                        14  ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
09  00 34 57.5   7.347 N   94.355 E   33 N  5.2 4.8    0.9    255  NICOBAR ISLANDS, INDIA. Mw 5.4 (HRV).
                                                                    Centroid, Moment Tensor (HRV): Centroid origin time
                                                                     00:34:58.2; Lat 7.43 N; Lon 94.42 E; Dep 28.0; Half-
                                                                     duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                                     Val=1.35, Plg=12, Azm=104; (N) Val=-0.17, Plg=77, Azm=291;
                                                                     (P) Val=-1.17, Plg=1, Azm=195; Best double couple:
                                                                     Mo=1.3*10**17 Nm; NP1: Strike=240, Dip=80, Slip=8; NP2:
                                                                     Strike=149, Dip=82, Slip=170.
09  00 41 28.0  77.890 N    7.117 E   10 G  4.6       1.0     59  SVALBARD REGION
09  00 44 23.9& 34.253 S   70.780 W   83                        10  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
09  00 50 51.2* 7.226 N   94.416 E   33 N  4.4       0.9     20  NICOBAR ISLANDS, INDIA
09  00 57 42.4? 7.73  N   94.13  E   33 N  4.2       1.5      9  NICOBAR ISLANDS, INDIA
09  01 49 38.4* 7.343 N   94.433 E   33 N  4.3       0.8      9  NICOBAR ISLANDS, INDIA
09  01 55 04.9* 6.533 N  123.580 E   33 N  4.3       1.0     12  MINDANAO, PHILIPPINE ISLANDS
09  02 08 20.7& 33.418 S   72.310 W   33                        11  OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
09  02 09 26.4& 30.952 S   71.883 W    4                        12  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
09  02 21 11.7* 12.251 N  144.823 E   33 N  3.8       0.9      9  SOUTH OF MARIANA ISLANDS
09  03 31 12.6  43.438 N   12.251 E   10 G        1.1      27  CENTRAL ITALY. ML 3.2 (VIE), 2.8 (LDG).
09  03 40 39.6? 14.76  N   91.62  W  121 *  3.8       1.5     12  GUATEMALA
09  03 45 25.0* 36.322 N  137.684 E   10 G  3.9       1.3     14  EASTERN HONSHU, JAPAN. Felt (I JMA) in northern Gifu,
                                                                    central Nagano and southern Toyama Prefectures.
09  04 20 50.1& 32.325 S   71.363 W   44                        14  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
09  04 23 28.9* 30.348 N   88.004 E   33 N  3.9       1.0     13  XIZANG
09  04 45 22.2* 36.547 N   72.252 E   33 N              0.7      9  AFGHANISTAN-TAJIKISTAN BORD REG.
09  04 59 54.5  20.233 N   45.662 W   10 G  4.6       0.8     45  NORTHERN MID-ATLANTIC RIDGE
09  05 27 43.0  53.008 N  171.139 E   25 D  5.3 4.5    0.9    292  NEAR ISLANDS, ALEUTIAN ISLANDS. Mw 5.2 (HRV). ML 4.7 (PMR).
                                                                    Centroid, Moment Tensor (HRV): Centroid origin time
                                                                     05:27:46.7; Lat 53.44 N; Lon 170.61 E; Dep 24.0 Bdy; Half-
                                                                     duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                     Val=7.31, Plg=49, Azm=308; (N) Val=0.75, Plg=21, Azm=65;
                                                                     (P) Val=-8.06, Plg=33, Azm=169; Best double couple:
                                                                     Mo=7.7*10**16 Nm; NP1: Strike=311, Dip=23, Slip=158; NP2:
                                                                     Strike=61, Dip=82, Slip=68.
09  05 54 50.8? 30.97  S  179.88  W  400 G  3.8       0.7     14  KERMADEC ISLANDS REGION
09  06 42 56.9& 32.249 S   71.942 W   47                         9  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
09  08 26 27.9   7.337 N   94.337 E   33 N  4.7 4.6    0.9     61  NICOBAR ISLANDS, INDIA
09  09 00 01.1* 7.320 N   94.350 E   33 N  4.2        0.9     18  NICOBAR ISLANDS, INDIA
09  09 16 07.9  51.730 N   16.133 E    5 G              0.6     28  POLAND. ML 4.3 (GRF), 3.8 (VIE), 3.8 (FUR), 3.7 (WAR).
09  09 43 19.5  23.216 S  179.215 W  500 G  4.3        0.7     44  SOUTH OF FIJI ISLANDS
09  09 58 09.4  52.773 N  163.426 W   33 N  4.2        0.8     22  SOUTH OF ALASKA. ML 3.9 (AEIC).
09  10 52 30.1* 51.549 N   16.079 E    5 G              0.9      8  POLAND. ML 3.2 (VIE), 2.8 (WAR).
09  11 20 38.3* 19.287 S   69.489 W  120 *  4.6        0.9     20  NORTHERN CHILE
09  11 32 56.0  52.741 N  159.909 E   56 *  4.6 3.9    0.9     88  OFF EAST COAST OF KAMCHATKA. Felt (IV) at Petropavlovsk-
                                                                    Kamchatskiy.
09  11 45 14.6* 19.737 N   69.995 W   33 N  4.5        1.0     31  DOMINICAN REPUBLIC REGION
09  13 52 22.8& 32.348 S   71.558 W   48                        10  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
09  15 09 19.7& 53.153 N  164.526 W   25                         9  UNIMAK ISLAND REGION. <AEIC>. ML 3.1 (AEIC).
09  15 24 39.9*  6.088 S  146.532 E  100 G  3.9        1.5     12  EASTERN NEW GUINEA REG., P.N.G.
09  16 02 39.3& 42.600 N    1.500 E    2                         8  PYRENEES. <LDG>. ML 2.8 (STR), 2.3 (LDG).
09  16 18 05.6  16.804 N  100.150 W   33 N  4.2        1.0     49  NEAR COAST OF GUERRERO, MEXICO. MD 4.5 (UNM).
09  16 34 36.4& 18.420 N   67.460 W    9                         5  MONA PASSAGE. <MPR>. MD 2.8 (MPR).
09  17 09 00.8& 33.804 S   71.613 W   41                         9  NEAR COAST OF CENTRAL CHILE. <GUC>.
09  18 04 25.6   7.443 S  128.602 E  144 *  4.8        1.1     51  BANDA SEA
09  18 23 00.3& 30.526 S   71.698 W   25                        10  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
09  18 30 29.5  34.205 N   26.187 E   33 N  4.2 3.6    1.2    104  CRETE
09  18 39 45.8* 21.839 S  169.981 E   33 N  4.5        1.2     31  LOYALTY ISLANDS REGION
09  18 40 10.8   2.848 S  141.961 E   10 G  4.7        1.0     32  NEAR N COAST OF NEW GUINEA, PNG.
09  19 08 57.6  33.896 N  137.366 E  352     4.1       0.8     24  NEAR S. COAST OF HONSHU, JAPAN
09  19 26 24.6* 15.961 S   74.797 W   33 N              0.9     22  NEAR COAST OF PERU
09  19 50 54.3* 21.845 S  169.789 E   33 N  4.0 4.6    1.2     24  LOYALTY ISLANDS REGION
09  19 50 57.6* 35.592 N   34.575 W   10 G  4.3        1.0     16  AZORES ISLANDS REGION
09  20 03 30.7  58.767 S   25.349 W   33 N  4.9        0.8     79  SOUTH SANDWICH ISLANDS REGION
09  20 11 41.9& 19.410 N   64.720 W   25                         5  VIRGIN ISLANDS. <MPR>. ML 2.6 (MPR).
09  20 19 51.3  18.800 S  175.736 W  300 G  4.5        1.0     55  TONGA ISLANDS
09  20 21 09.6& 45.700 N    0.900 E    2                        16  FRANCE. <LDG>. ML 2.7 (STR), 2.3 (LDG).
09  20 47 25.1  24.049 S  179.860 E  561 *  4.5        0.7     90  SOUTH OF FIJI ISLANDS
09  21 00 37.8? 23.68  S   69.43  E   10 G  4.7        1.4     13  MID-INDIAN RIDGE
09  21 12 33.5& 18.970 N   64.930 W   22                         5  VIRGIN ISLANDS. <MPR>. MD 3.5 (MPR).
09  21 39 38.0& 38.800 N    0.830 W   10                         6  SPAIN. <MDD>. mbLg 1.9 (MDD).
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09	22	10	02.7&	33.196	S	70.640	W	83				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 1.9 (GUC).
09	22	21	00.8	19.237	N	64.981	W	33	N	4.2	0.9	20	VIRGIN ISLANDS. MD 4.2 (MPR).
09	22	25	04.6*	19.378	S	169.145	E	138	D	4.3	1.2	40	VANUATU ISLANDS
09	22	32	20.3?	9.72	S	120.65	E	33	N	3.7	1.5	9	SUMBA REGION, INDONESIA
09	22	35	24.8	0.798	S	80.985	W	33	N	4.5	1.0	24	NEAR COAST OF ECUADOR
09	22	49	35.3*	7.706	N	94.646	E	33	N		0.9	8	NICOBAR ISLANDS, INDIA
09	22	57	32.5*	46.216	N	13.654	E	10	G		0.9	9	AUSTRIA. ML 2.2 (VIE). MD 2.2 (LJU).
09	23	13	10.1&	63.452	N	151.126	W	11				9	CENTRAL ALASKA. <AEIC>. ML 2.3 (AEIC), 2.8 (PMR).
09	23	43	12.0&	18.850	N	64.550	W	95				8	VIRGIN ISLANDS. <MPR>. MD 3.6 (MPR).
10	00	27	15.1&	19.156	N	64.771	W	73				9	VIRGIN ISLANDS. <MPR>. MD 3.7 (MPR).
10	01	51	09.6	24.006	S	66.465	W	208		4.6	0.9	106	SALTA PROVINCE, ARGENTINA
10	02	31	35.6?	36.16	N	71.92	E	168	?	3.5	0.8	6	AFGHANISTAN-TAJIKISTAN BORD REG.
10	02	51	07.0*	45.568	N	15.288	E	10	G		0.8	7	NORTHWESTERN BALKAN REGION. MD 2.4 (LJU). ML 2.0 (VIE).
10	03	01	09.2&	48.100	N	6.500	E	19				7	FRANCE. <LDG>. ML 1.7 (LDG).
10	03	18	23.9	23.566	N	124.564	E	33	N	4.8	1.1	39	SOUTHWESTERN RYUKYU ISLANDS
10	03	26	16.7&	63.047	N	150.933	W	124				30	CENTRAL ALASKA. <AEIC>.
10	03	28	25.9*	19.077	S	175.581	W	250	G	4.6	1.1	23	TONGA ISLANDS
10	03	36	16.4	21.838	N	143.742	E	114	D	4.5	0.9	32	MARIANA ISLANDS REGION
10	04	03	40.9&	61.314	N	149.736	W	43		3.8		60	SOUTHERN ALASKA. <AEIC>. ML 4.0 (AEIC), 3.9 (PMR). Felt at Anchorage, Palmer, Sutton and Willow.
10	04	33	52.9?	10.94	S	116.75	E	33	N	4.4	1.1	6	SOUTH OF SUMBAWA, INDONESIA
10	04	38	36.4*	37.347	N	70.256	E	85	?	4.5	0.9	38	AFGHANISTAN-TAJIKISTAN BORD REG.
10	04	40	08.3	2.726	N	128.010	E	138	*	4.8	1.1	42	HALMAHERA, INDONESIA
10	05	25	13.6	23.077	N	108.003	W	10	G	4.4 4.0	1.2	59	GULF OF CALIFORNIA
10	06	25	13.5*	5.507	S	142.272	E	33	N		0.5	8	NEW GUINEA, PAPUA NEW GUINEA
10	06	29	06.5?	15.20	S	70.10	W	228	*	3.9	0.8	7	SOUTHERN PERU
10	08	01	05.4	5.112	S	144.107	E	97	*	3.6	0.9	10	NEW GUINEA, PAPUA NEW GUINEA
10	08	05	29.1&	19.298	N	64.735	W	25				6	VIRGIN ISLANDS. <MPR>. MD 3.6 (MPR).
10	09	52	14.9	7.324	N	94.305	E	33	N	5.9 5.8	1.1	293	NICOBAR ISLANDS, INDIA. Mw 6.0 (GS), 5.9 (HRV). Moment Tensor (GS): Dep 35; Principal axes (scale 10**18 Nm): (T) Val=1.00, Plg=1, Azm=282; (N) Val=0.04, Plg=84, Azm=182; (P) Val=-1.04, Plg=6, Azm=13; Best double couple: Mo=1.0*10**18 Nm; NP1: Strike=57, Dip=85, Slip=-4; NP2: Strike=148, Dip=86, Slip=-175. Centroid, Moment Tensor (HRV): Centroid origin time 09:52:17.5; Lat 7.58 N; Lon 94.39 E; Dep 23.7; Half-duration 2.4 sec; Principal axes (scale 10**17 Nm): (T) Val=9.10, Plg=5, Azm=102; (N) Val=0.64, Plg=84, Azm=326; (P) Val=-9.74, Plg=4, Azm=192; Best double couple: Mo=9.4*10**17 Nm; NP1: Strike=237, Dip=84, Slip=0; NP2: Strike=147, Dip=90, Slip=174.
10	10	18	49.8*	7.311	N	94.311	E	33	N	4.6	1.6	36	NICOBAR ISLANDS, INDIA
10	11	27	30.7&	18.820	N	64.612	W	25				5	VIRGIN ISLANDS. <MPR>. MD 3.3 (MPR).
10	12	34	10.2	25.376	N	96.526	E	33	N	4.4	1.2	25	MYANMAR
10	12	44	32.5*	37.586	N	72.826	E	33	N	3.9	1.2	7	TAJIKISTAN
10	14	06	19.9*	4.426	S	131.335	E	33	N	4.1	0.8	7	BANDA SEA
10	14	19	00.7&	32.335	S	71.407	W	39				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC). Felt (III) at Papudo and Zapallar.
10	14	22	20.3&	61.259	N	149.467	W	43				53	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.1 (PMR).
10	14	27	06.8&	44.339	N	7.280	E	12				5	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
10	14	48	03.7&	36.584	N	121.178	W	6				10	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
10	15	07	55.5*	7.659	N	94.259	E	33	N	4.1	0.7	8	NICOBAR ISLANDS, INDIA
10	16	07	10.0&	16.977	N	94.824	W	170				4	OAXACA, MEXICO. <UNM>. MD 4.0 (UNM).
10	16	28	25.3%	8.035	N	93.782	E	33	N	4.1	0.9	7	NICOBAR ISLANDS, INDIA
10	16	33	06.8&	59.422	N	152.893	W	86				35	SOUTHERN ALASKA. <AEIC>.
10	16	43	15.5*	32.267	N	141.565	E	53	D	3.8	1.0	10	SOUTH OF HONSHU, JAPAN
10	16	58	46.3&	41.060	N	28.887	E	15				6	TURKEY. <ISK>. MD 2.8 (ISK).
10	17	54	24.2&	62.045	N	150.164	W	57				35	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC).
10	18	03	52.3&	43.400	N	7.300	E	17				16	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 1.9 (LDG), 1.8 (STR).
10	18	07	34.5?	23.74	S	177.26	W	250	G	3.9	1.3	16	SOUTH OF FIJI ISLANDS
10	18	36	05.2&	36.700	N	11.160	W	17				22	NORTH ATLANTIC OCEAN. <MDD>. mbLg 2.7 (MDD).
10	19	09	23.1?	24.45	S	179.44	E	600	G	3.7	0.9	12	SOUTH OF FIJI ISLANDS
10	20	13	15.4*	57.201	N	120.431	E	10	G	4.1	0.9	12	SOUTHEASTERN SIBERIA, RUSSIA
10	20	25	11.2%	7.168	N	94.549	E	33	N		1.1	8	NICOBAR ISLANDS, INDIA
10	20	48	02.6&	19.270	N	64.730	W	25				18	VIRGIN ISLANDS. <MPR>. MD 4.0 (MPR).
10	21	00	34.3	62.693	S	148.032	E	10	G	4.7 4.4	0.9	41	BALLENY ISLANDS REGION
10	21	02	57.2	18.647	N	70.541	W	58		4.9	0.8	218	DOMINICAN REPUBLIC REGION. Mw 5.2 (HRV). Felt (V) at Villa Altagracia; (IV) at Bonao and Santo Domingo. Centroid, Moment Tensor (HRV): Centroid origin time 21:03:01.7; Lat 19.46 N; Lon 70.50 W; Dep 52.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.27, Plg=33, Azm=94; (N) Val=-0.19, Plg=42, Azm=328; (P) Val=-6.08, Plg=30, Azm=207; Best double couple: Mo=6.2*10**16 Nm; NP1: Strike=242, Dip=42, Slip=3; NP2: Strike=150, Dip=88, Slip=132.
10	21	20	32.3*	21.197	S	68.539	W	129	*	4.6	0.9	22	CHILE-BOLIVIA BORDER REGION
10	21	41	30.2&	39.780	N	0.070	W	11				22	SPAIN. <MDD>. mbLg 2.7 (MDD). ML 2.7 (LDG).
10	22	02	52.0	0.115	N	98.576	E	48	D	4.6	1.0	50	NORTHERN SUMATERA, INDONESIA
10	22	44	25.8*	0.443	S	125.543	E	33	N	4.3	1.1	16	SOUTHERN MOLUCCA SEA
10	22	47	41.8*	0.321	S	125.678	E	33	N	4.5	0.8	11	SOUTHERN MOLUCCA SEA
10	22	48	52.3&	40.478	N	28.102	E	7				5	TURKEY. <ISK>. MD 2.8 (ISK).
10	23	21	04.8*	14.487	N	93.499	W	42	*	4.2	1.2	29	NEAR COAST OF CHIAPAS, MEXICO. MD 4.3 (UNM).
10	23	32	49.1&	40.773	N	27.518	E	5				4	TURKEY. <ISK>. MD 2.7 (ISK).
11	00	19	02.1&	60.062	N	152.429	W	78				96	SOUTHERN ALASKA. <AEIC>.
11	01	15	19.1&	40.844	N	28.462	E	5				6	TURKEY. <ISK>. MD 2.6 (ISK).
11	02	07	49.0	25.014	N	123.017	E	141	D	5.0	0.9	171	NORTHEAST OF TAIWAN. Mw 5.4 (HRV). Felt in much of northern and central Taiwan. Centroid, Moment Tensor (HRV): Centroid origin time 02:07:49.9; Lat 24.71 N; Lon 122.95 E; Dep 138.7; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.14, Plg=33, Azm=225; (N) Val=0.15, Plg=39, Azm=102; (P) Val=-1.29, Plg=33, Azm=340; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=13, Dip=39, Slip=0; NP2:

														Strike=283, Dip=90, Slip=129.
11	02	25	31.4&	40.857	N	28.486	E	5					6	TURKEY. <ISK>. MD 2.7 (ISK).
11	02	27	31.7&	19.190	N	66.820	W	25					6	PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
11	02	53	01.5&	36.530	N	3.170	W	15					9	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.1 (MDD).
11	02	54	47.6?	15.99	S	176.84	W	400	G	3.7		1.0	14	FIJI ISLANDS REGION
11	04	01	38.7&	52.623	N	169.266	W	17					7	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.4 (AEIC).
11	04	44	43.7&	42.680	N	6.310	E	10					4	WESTERN MEDITERRANEAN SEA. <STR>. ML 2.3 (STR).
11	05	13	17.6&	43.070	N	1.230	W	14					5	PYRENEES. <STR>. ML 2.4 (STR).
11	05	23	00.6	43.218	N	12.643	E	10	G			0.9	42	CENTRAL ITALY. ML 3.7 (VIE), 3.4 (LDG), 3.4 (STR).
11	05	49	31.5*	33.873	S	179.437	W	33	N	4.5		1.1	16	SOUTH OF KERMADEC ISLANDS
11	06	16	49.4&	37.270	N	3.940	W	8					5	SPAIN. <MDD>. mbLg 1.8 (MDD).
11	06	24	11.5*	8.453	S	74.346	W	116	?	4.0		1.0	18	PERU-BRAZIL BORDER REGION
11	06	43	28.5&	19.210	N	66.140	W	25					6	PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
11	06	58	01.0*	7.582	N	94.705	E	33	N	4.4		1.1	18	NICOBAR ISLANDS, INDIA
11	06	58	31.3	7.368	N	94.082	E	33	N	4.8	4.2	1.0	53	NICOBAR ISLANDS, INDIA
11	07	15	44.8*	7.063	S	129.508	E	145	?	4.5		1.0	13	BANDA SEA
11	07	22	29.9&	18.040	N	66.740	W	10					7	PUERTO RICO REGION. <MPR>. MD 2.6 (MPR).
11	07	34	50.6	41.101	N	81.452	E	33	N	4.9		1.2	77	SOUTHERN XINJIANG, CHINA
11	08	25	20.5&	46.080	N	14.859	E	10	G			0.3	5	NORTHWESTERN BALKAN REGION. MD 2.2 (LJU).
11	09	33	28.9&	49.150	N	6.760	E	1					5	GERMANY. <STR>. ML 1.9 (STR).
11	10	03	07.5*	37.404	N	70.287	E	33	N	4.4		1.4	28	AFGHANISTAN-TAJIKISTAN BORD REG.
11	10	13	14.5?	32.99	S	72.11	W	77	?	4.6		1.1	19	OFF COAST OF CENTRAL CHILE
11	14	07	12.0&	44.389	N	7.282	E	12					4	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
11	14	55	22.2*	24.729	S	179.994	W	528	?	4.5		0.8	36	SOUTH OF FIJI ISLANDS
11	14	56	16.3?	25.69	N	45.12	W	10	G	4.5		1.2	24	NORTHERN MID-ATLANTIC RIDGE
11	15	03	31.5&	62.436	N	148.431	W	38					30	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.4 (PMR).
11	17	45	15.0	2.473	N	99.241	E	168		3.9		0.7	25	NORTHERN SUMATERA, INDONESIA
11	18	06	17.7&	47.400	N	8.000	E	2					10	SWITZERLAND. <LDG>. ML 2.3 (LDG).
11	18	25	28.1	32.136	S	144.255	E	10	G	3.7		1.0	14	NEW SOUTH WALES, AUSTRALIA
11	19	28	23.2&	59.949	N	140.063	W	0					21	SOUTHEASTERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.2 (PGC).
11	19	47	33.9?	31.00	N	139.31	E	33	N	4.3		1.2	12	SOUTH OF HONSHU, JAPAN
11	20	55	33.0	3.093	N	127.050	E	49	*	4.9	4.1	1.0	46	TALAUD ISLANDS, INDONESIA
11	23	12	12.8*	71.879	N	11.837	W	10	G	4.0		1.1	14	JAN MAYEN ISLAND REGION
11	23	13	27.4*	71.701	N	10.972	W	10	G	4.3		1.0	29	JAN MAYEN ISLAND REGION
11	23	19	13.3*	6.511	S	129.849	E	33	N	4.7		1.4	19	BANDA SEA
11	23	23	09.9*	6.820	S	129.976	E	33	N	4.7		0.9	14	BANDA SEA
12	00	15	45.1	6.639	S	130.062	E	33	N	4.7	4.6	0.6	15	BANDA SEA
12	00	31	56.7	71.802	N	12.178	W	10	G	4.1		1.0	34	JAN MAYEN ISLAND REGION
12	01	59	10.5*	6.178	S	129.961	E	33	N	4.4		1.1	5	BANDA SEA
12	02	10	39.9	51.637	N	16.163	E	5	G			0.6	21	POLAND. ML 3.8 (GRF), 3.3 (VIE), 3.1 (WAR).
12	03	02	27.0&	55.787	N	160.720	W	1					11	ALASKA PENINSULA. <AEIC>. ML 2.6 (AEIC).
12	03	08	14.0&	18.160	N	66.690	W	19					9	PUERTO RICO REGION. <MPR>. MD 2.8 (MPR).
12	03	09	38.1*	50.977	N	15.850	E	5	G			1.5	8	CZECH AND SLOVAK REPUBLICS. ML 2.7 (VIE).
12	03	26	36.2?	17.08	S	174.73	W	33	N			1.0	11	TONGA ISLANDS
12	03	29	28.7&	47.400	N	7.200	E	2					11	SWITZERLAND. <LDG>. ML 1.9 (LDG), 1.6 (STR).
12	03	53	09.8&	18.300	N	67.460	W	1					6	MONA PASSAGE. <MPR>. MD 2.6 (MPR).
12	04	49	47.5	6.777	N	73.089	W	168	D	4.0		1.0	25	NORTHERN COLOMBIA
12	05	33	50.4&	56.465	N	157.902	W	96					47	ALASKA PENINSULA. <AEIC>.
12	05	48	33.6	52.790	N	163.259	W	30	D	4.5		1.2	69	SOUTH OF ALASKA. ML 4.4 (PMR), 4.2 (AEIC).
12	06	13	04.5	36.207	N	137.684	E	10	G	4.4	4.6	1.1	31	EASTERN HONSHU, JAPAN. Felt (II JMA) in northern Gifu, central Nagano and southern Toyama Prefectures.
12	06	51	22.4&	60.009	N	152.885	W	121					32	SOUTHERN ALASKA. <AEIC>.
12	07	18	14.8&	43.400	N	0.700	W	10					15	PYRENEES. <LDG>. ML 3.1 (STR), 2.8 (LDG).
12	07	23	21.9&	43.600	N	3.800	E	2					7	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.5 (LDG).
12	08	32	44.4&	37.030	N	5.020	W	4					13	SPAIN. <MDD>. mbLg 2.2 (MDD).
12	08	40	17.1&	37.020	N	5.050	W	16					13	SPAIN. <MDD>. mbLg 2.3 (MDD).
12	09	26	46.1&	37.050	N	5.070	W	15					15	SPAIN. <MDD>. mbLg 2.3 (MDD).
12	09	32	27.9&	36.960	N	4.980	W	15					17	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.7 (MDD).
12	09	39	56.4&	37.100	N	4.980	W	15					12	SPAIN. <MDD>. mbLg 2.1 (MDD).
12	09	42	18.8&	37.210	N	5.130	W	15					8	SPAIN. <MDD>. mbLg 2.1 (MDD).
12	10	00	13.9*	33.998	N	101.823	E	33	N	4.0		0.8	11	QINGHAI, CHINA. ML 3.8 (BJI).
12	10	30	05.6&	61.791	N	149.387	W	32					49	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.9 (PMR).
12	10	53	03.8?	5.36	S	103.54	E	33	N	4.1		1.2	7	SOUTHERN SUMATERA, INDONESIA
12	12	22	57.7*	34.970	S	178.673	E	400	G	3.2		0.9	18	SOUTH OF KERMADEC ISLANDS
12	12	54	04.6&	36.752	N	121.457	W	8					9	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM). ML 2.7 (GS).
12	14	02	47.2&	36.753	N	121.456	W	8					15	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.2 (BRK), 3.3 (GS). Felt in the Hollister-San Juan Bautista area.
12	14	10	25.1&	36.755	N	121.464	W	9		4.8	5.0		160	CENTRAL CALIFORNIA. <GM-P>. Mw 5.2 (HRV), 5.1 (BRK). ML 5.3 (GM), 5.4 (BRK). Two people injured in southern Santa Cruz County. Some damage to a church at San Juan Bautista. Damage to several mobile homes and minor cracking of highway 101 in San Benito County. Considerable loss from items falling from store shelves in the epicentral area. Felt in Alameda, Contra Costa, Marin, Monterey, San Benito, San Francisco, Santa Clara, Santa Cruz and San Mateo Counties. Felt as far north as Rohnert Park, east to Turlock and south to Big Sur and King City. Centroid, Moment Tensor (HRV): Centroid origin time 14:10:28.5; Lat 36.61 N; Lon 121.30 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.81, Plg=3, Azm=273; (N) Val=0.41, Plg=85, Azm=151; (P) Val=-7.22, Plg=4, Azm=3; Best double couple: Mo=7.0*10**16 Nm; NP1: Strike=48, Dip=85, Slip=-1; NP2: Strike=138, Dip=89, Slip=-175. Moment Tensor (BRK): Dep 8; Principal axes (scale 10**16 Nm): (T) Val=5.28, Plg=3, Azm=263; (N) Val=0.00, Plg=80, Azm=158; (P) Val=-5.28, Plg=10, Azm=354; Best double couple: Mo=5.3*10**16 Nm; NP1: Strike=129, Dip=85, Slip=-171; NP2: Strike=38, Dip=81, Slip=-5.
12	14	49	12.0&	36.777	N	121.508	W	10					8	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
12	15	01	43.4?	12.99	N	89.12	W	33	N			0.2	8	OFF COAST OF CENTRAL AMERICA. MD 3.3 (SSS). Felt (II) at San Salvador, El Salvador.
12	15	49	55.4	24.468	S	179.834	E	550	G	4.2		0.9	39	SOUTH OF FIJI ISLANDS

12	15	53	11.8*	12.615	S	166.229	E	77	*	4.1		0.9	21	SANTA CRUZ ISLANDS
12	15	56	41.7&	36.791	N	121.515	W	8					9	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM).
12	16	04	04.9&	34.457	N	120.769	W	0					14	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
12	16	53	45.7&	44.400	N	6.624	E	1					43	FRANCE. <GEN>. ML 2.9 (GEN), 2.7 (LDG), 2.6 (STR).
12	17	25	17.8&	36.759	N	121.465	W	7					10	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).
12	17	57	40.4&	60.150	N	140.995	W	0					33	SOUTHEASTERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.0 (PGC).
12	18	01	56.8*	13.410	N	89.616	W	68		4.0		1.1	22	EL SALVADOR. MD 3.7 (SSS). Felt (III) at San Salvador.
12	18	07	50.6	15.409	N	119.464	E	33	N	4.4		1.1	29	LUZON, PHILIPPINE ISLANDS
12	18	15	50.8&	37.020	N	5.000	W	6					6	SPAIN. <MDD>. mbLg 1.7 (MDD).
12	18	16	37.5&	37.040	N	4.980	W	3					10	SPAIN. <MDD>. mbLg 2.3 (MDD).
12	18	16	48.4&	34.639	N	117.519	W	8					27	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
12	18	16	50.3&	37.060	N	5.020	W	0	G				7	SPAIN. <MDD>. mbLg 2.5 (MDD).
12	18	27	45.4&	45.169	N	120.027	W	0					15	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.8 (SEA).
12	19	12	17.2	7.914	S	128.637	E	169	*	4.1		1.1	15	BANDA SEA
12	19	40	14.8*	23.837	S	66.658	W	215		4.1		0.6	17	JUJUY PROVINCE, ARGENTINA
12	19	41	18.0&	46.100	N	1.500	E	2					9	FRANCE. <LDG>. ML 2.0 (LDG).
12	19	51	32.2*	31.587	N	138.067	E	422	*			0.7	10	SOUTH OF HONSHU, JAPAN
12	19	56	06.6&	34.844	N	117.613	W	6					35	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
12	20	25	12.3&	37.050	N	5.090	W	19					7	SPAIN. <MDD>. mbLg 1.6 (MDD).
12	21	07	58.0&	43.800	N	7.400	E	2					4	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.2 (LDG).
12	21	56	05.1&	63.840	N	148.484	W	104					27	CENTRAL ALASKA. <AEIC>.
12	22	28	55.2&	57.356	N	154.602	W	15					11	KODIAK ISLAND REGION. <AEIC>. ML 2.6 (AEIC).
12	22	35	32.5&	38.960	N	29.418	E	15					8	TURKEY. <ISK>. MD 3.2 (ISK).
13	00	29	47.2&	37.720	N	2.310	W	0	G				9	SPAIN. <MDD>. mbLg 2.4 (MDD).
13	01	05	25.6*	24.091	N	122.993	E	33	N	4.2		0.9	9	TAIWAN REGION
13	02	01	15.5&	43.886	N	7.721	E	11					13	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.3 (GEN), 2.0 (LDG).
13	02	10	57.5*	7.424	N	94.448	E	35	D	3.9		0.9	15	NICOBAR ISLANDS, INDIA
13	02	40	10.7*	17.915	S	178.688	W	550	G	4.3		1.0	38	FIJI ISLANDS REGION
13	04	09	10.4&	36.747	N	121.462	W	10					9	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
13	04	19	09.9&	61.717	N	150.448	W	5					76	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 3.1 (PMR).
13	04	20	29.0?	5.29	S	152.79	E	33	N	3.6		1.5	6	NEW BRITAIN REGION, P.N.G.
13	05	09	25.6*	22.184	S	179.524	W	600	G	4.0		1.2	19	SOUTH OF FIJI ISLANDS
13	05	25	06.3?	7.75	N	94.71	E	33	N	3.8		0.5	7	NICOBAR ISLANDS, INDIA
13	05	52	46.2&	16.165	N	97.542	W	17					7	OAXACA, MEXICO. <UNM>. MD 4.0 (UNM).
13	05	54	56.8	58.786	S	24.875	W	33	N	5.0	5.1	1.0	90	SOUTH SANDWICH ISLANDS REGION. Mw 5.5 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 05:55:03.8; Lat 59.23 S; Lon 24.48 W; Dep 17.7; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.11, Plg=72, Azm=246; (N) Val=0.01, Plg=7, Azm=358; (P) Val=-2.12, Plg=16, Azm=90; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=190, Dip=29, Slip=104; NP2: Strike=354, Dip=62, Slip=82.
13	06	09	13.8&	32.406	S	71.440	W	29					15	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
13	06	16	51.6	53.068	N	171.106	E	33	N	5.0	4.2	0.9	192	NEAR ISLANDS, ALEUTIAN ISLANDS. ML 5.0 (PMR).
13	06	50	29.7&	7.308	N	82.370	W	15					12	SOUTH OF PANAMA. <UPA>. MD 4.1 (UPA).
13	07	06	43.3&	37.579	N	118.788	W	8					11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
13	07	15	47.2?	22.57	S	169.43	E	33	N	3.9		1.3	12	LOYALTY ISLANDS REGION
13	07	36	11.3?	22.54	S	169.47	E	33	N	3.4		1.3	14	LOYALTY ISLANDS REGION
13	07	40	47.8&	32.341	S	71.407	W	46					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
13	08	19	30.7&	32.335	S	71.393	W	42					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
13	08	39	17.4&	33.475	S	70.684	W	77					12	CHILE-ARGENTINA BORDER REGION. <GUC>.
13	08	47	57.3&	32.032	S	69.549	W	166					8	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.8 (GUC).
13	09	11	51.3&	36.843	N	121.578	W	7					10	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).
13	09	54	29.9%	38.177	S	176.235	E	200	G			0.2	15	NORTH ISLAND, NEW ZEALAND
13	10	21	55.4	41.151	N	114.522	E	33	N	4.3		1.2	22	NORTHEASTERN CHINA. ML 4.7 (BJI).
13	10	26	19.2	36.352	N	71.118	E	227	*	4.1		0.7	35	AFGHANISTAN-TAJIKISTAN BORD REG.
13	10	32	45.3&	31.629	S	72.105	W	25					10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
13	10	50	42.6&	63.513	N	150.015	W	128					10	CENTRAL ALASKA. <AEIC>.
13	11	38	32.7&	51.708	N	116.047	W	0	G				27	ALBERTA, CANADA. <PGC-P>. mbLg 3.6 (PGC).
13	11	43	15.2&	36.171	N	120.269	W	18					7	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 3.0 (PAS), 2.9 (GS).
13	11	44	02.2&	36.164	N	120.268	W	16					49	CENTRAL CALIFORNIA. <GM-P>. Mw 3.8 (BRK). MD 3.8 (GM). ML 3.8 (BRK), 3.9 (PAS), 3.9 (GS).
														Moment Tensor (BRK): Dep 14; Principal axes (scale 10**14 Nm): (T) Val=4.79, Plg=82, Azm=38; (N) Val=0.00, Plg=4, Azm=158; (P) Val=-4.79, Plg=7, Azm=249; Best double couple: Mo=4.8*10**14 Nm; NP1: Strike=155, Dip=52, Slip=85; NP2: Strike=343, Dip=38, Slip=96.
13	11	50	41.7&	33.435	S	72.273	W	22					12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
13	12	08	28.7&	31.937	S	71.988	W	15					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
13	12	12	19.7&	43.040	N	0.160	E	2	G				15	FRANCE. <STR>. ML 3.1 (STR), 2.8 (LDG).
13	12	41	43.1&	39.670	N	28.959	E	10	G				11	TURKEY. <ISK>. MD 3.0 (ISK).
13	12	42	33.4&	33.700	S	71.916	W	19					9	NEAR COAST OF CENTRAL CHILE. <GUC>.
13	13	10	23.5?	7.45	S	129.84	E	33	N	4.1		1.5	10	BANDA SEA
13	14	02	09.1	47.582	N	15.745	E	10	G			0.7	8	AUSTRIA. ML 2.9 (VIE).
13	14	03	30.3&	33.685	S	71.891	W	25					10	NEAR COAST OF CENTRAL CHILE. <GUC>.
13	14	13	54.1?	11.86	N	86.65	W	33	N	4.3		1.3	12	NEAR COAST OF NICARAGUA
13	14	21	11.0&	38.889	N	26.773	E	5					10	AEGEAN SEA. <ISK>. MD 3.3 (ISK).
13	15	38	14.9&	63.537	N	151.023	W	14					40	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.0 (PMR).
13	16	38	34.9*	0.905	N	120.236	E	33	N	4.1		1.3	13	MINAHASSA PENINSULA, SULAWESI
13	16	54	19.3?	7.88	S	146.66	E	47	?			0.7	5	EASTERN NEW GUINEA REG., P.N.G.
13	18	51	19.7	44.493	N	114.190	W	5	G			0.6	23	WESTERN IDAHO. ML 4.2 (BUT), 4.0 (BSE).
13	19	47	43.5&	18.978	N	98.591	W	3					16	CENTRAL MEXICO. <UNM>. MD 3.9 (UNM).
13	20	09	34.1&	32.986	S	70.163	W	6					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
13	20	38	36.0*	7.583	N	94.145	E	33	N	4.6		1.4	13	NICOBAR ISLANDS, INDIA
13	22	24	18.3&	44.643	N	8.357	E	4					16	NORTHERN ITALY. <GEN>. ML 2.3 (GEN), 2.0 (LDG).
13	22	33	59.8&	44.629	N	8.351	E	5					21	NORTHERN ITALY. <GEN>. ML 2.5 (GEN), 2.2 (LDG).
13	23	21	51.3?	3.79	S	151.28	E	33	N	4.2		1.3	11	NEW IRELAND REGION, P.N.G.
13	23	48	31.8&	32.236	S	71.914	W	23					15	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
14	00	50	34.2&	36.784	N	121.516	W	10					3	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
14	00	55	37.4	11.430	S	166.216	E	58	D	5.3	5.4	1.2	132	SANTA CRUZ ISLANDS. Mw 5.8 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 00:55:41.0; Lat 11.47 S; Lon 165.88 E; Dep 50.8; Half-

duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=5.42, Plg=80, Azm=308; (N) Val=-0.10, Plg=8, Azm=171; (P) Val=-5.32, Plg=7, Azm=81; Best double couple: Mo=5.4*10**17 Nm; NP1: Strike=162, Dip=39, Slip=78; NP2: Strike=357, Dip=52, Slip=99.

14	01	19	24.1?	54.82	N	161.58	E	42	D	4.1		1.4	12	NEAR EAST COAST OF KAMCHATKA
14	01	52	39.0	13.598	N	120.753	E	205	*	4.5		0.9	65	MINDORO, PHILIPPINE ISLANDS
14	01	56	26.1*	52.807	N	142.805	E	33	N			1.0	18	SAKHALIN ISLAND
14	02	12	48.7*	2.400	N	128.682	E	200	G	4.3		0.6	14	HALMAHERA, INDONESIA
14	03	00	54.9&	60.395	N	147.139	W	19					48	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.4 (PMR).
14	03	07	26.2&	60.018	N	152.073	W	68					51	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.2 (PMR).
14	03	52	23.1&	59.536	N	154.507	W	162					35	SOUTHERN ALASKA. <AEIC>.
14	04	32	25.0*	51.955	N	115.764	W	10	G			0.5	19	ALBERTA, CANADA
14	04	36	11.1	6.364	S	154.959	E	54	D	4.4		1.0	25	SOLOMON ISLANDS
14	04	57	21.2*	27.372	N	140.127	E	463	*	4.4		1.1	27	BONIN ISLANDS REGION
14	05	26	54.9&	47.570	N	3.420	E	2	G				25	FRANCE. <STR>. ML 2.7 (LDG), 2.5 (STR).
14	06	22	44.6	76.946	N	3.757	E	10	G	4.4		1.2	37	GREENLAND SEA
14	06	29	45.7&	17.341	N	61.625	W	29					4	LEEWARD ISLANDS. <TRN>. MD 2.9 (TRN).
14	06	32	33.0&	33.425	S	71.829	W	31					11	NEAR COAST OF CENTRAL CHILE. <GUC>.
14	06	42	14.6&	32.683	S	71.480	W	20					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
14	07	29	55.5&	32.322	S	71.425	W	29					11	NEAR COAST OF CENTRAL CHILE. <GUC>.
14	07	42	31.9&	60.178	N	153.309	W	144					28	SOUTHERN ALASKA. <AEIC>.
14	08	18	52.7?	51.49	N	157.86	E	33	N	4.2		0.5	8	NEAR EAST COAST OF KAMCHATKA
14	08	33	17.7	23.981	S	66.644	W	220	D	4.6		1.0	75	JUJUY PROVINCE, ARGENTINA
14	09	06	59.3&	34.200	S	70.957	W	76					9	CHILE-ARGENTINA BORDER REGION. <GUC>.
14	09	10	48.8*	14.027	N	120.831	E	150	G	4.2		0.6	12	LUZON, PHILIPPINE ISLANDS
14	09	19	32.4&	53.734	N	165.179	W	49					8	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.7 (AEIC).
14	09	27	20.8&	40.496	N	29.153	E	5					4	TURKEY. <ISK>. MD 2.5 (ISK).
14	09	48	16.1&	31.645	S	71.999	W	10					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
14	10	23	18.5*	51.526	N	16.270	E	5	G			0.9	6	POLAND. ML 3.2 (VIE).
14	10	36	15.4	36.263	N	137.693	E	10	G	4.4	4.4	1.4	30	EASTERN HONSHU, JAPAN
14	11	52	04.9*	10.048	S	122.326	E	54	*	4.2		1.5	19	SAVU SEA
14	12	40	15.9&	48.660	N	8.910	E	2					6	GERMANY. <STR>. ML 2.1 (STR).
14	12	48	49.4	11.869	N	86.255	W	124	D	4.4		1.1	61	NEAR COAST OF NICARAGUA
14	12	53	43.1&	40.597	N	28.962	E	9					14	TURKEY. <ISK>. MD 3.2 (ISK).
14	13	06	40.3	40.277	N	76.977	E	33	N	4.6		1.0	60	KYRGYZSTAN-XINJIANG BORDER REG.
14	13	21	24.7	63.607	S	147.488	E	10	G	5.3	5.2	0.9	64	SOUTH OF AUSTRALIA. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:21:30.4; Lat 63.50 S; Lon 147.54 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.22, Plg=8, Azm=315; (N) Val=0.02, Plg=70, Azm=67; (P) Val=-2.24, Plg=18, Azm=223; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=0, Dip=71, Slip=-172; NP2: Strike=268, Dip=83, Slip=-19.
14	13	44	39.0*	5.466	S	146.913	E	233		3.5		1.0	11	EASTERN NEW GUINEA REG., P.N.G.
14	14	37	05.0	8.178	S	119.928	E	207		4.7		1.0	31	FLORES REGION, INDONESIA
14	14	57	31.6	14.339	N	92.558	W	61		4.3		0.8	34	NEAR COAST OF CHIAPAS, MEXICO. MD 4.7 (UNM).
14	15	02	41.8&	33.180	S	70.757	W	75					11	CHILE-ARGENTINA BORDER REGION. <GUC>.
14	15	16	29.9*	37.364	N	141.480	E	10	G			1.4	7	NEAR EAST COAST OF HONSHU, JAPAN
14	15	33	38.7*	7.675	N	94.840	E	33	N	3.8		0.7	11	NICOBAR ISLANDS, INDIA
14	16	02	24.1&	37.668	N	118.847	W	6					9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
14	16	05	28.1&	60.006	N	151.710	W	40					37	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
14	16	31	15.6	58.762	S	25.066	W	33	N	4.8	4.6	1.0	64	SOUTH SANDWICH ISLANDS REGION
14	17	09	03.7&	33.195	S	72.910	W	8					10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
14	17	21	09.8*	8.209	S	119.801	E	200	G	3.8		1.1	15	FLORES REGION, INDONESIA
14	17	32	52.3&	31.905	S	70.594	W	113					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
14	18	25	56.3&	19.430	N	65.390	W	79					5	PUERTO RICO REGION. <MPR>. MD 3.5 (MPR).
14	19	32	13.0&	33.311	N	118.878	W	6	G				23	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
14	20	21	51.3*	50.773	N	89.815	E	10	G	4.4		1.3	13	RUSSIA-MONGOLIA BORDER REGION
14	20	39	48.6&	37.500	N	118.813	W	3					8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
14	20	54	37.9*	45.749	S	34.016	E	10	G	4.6		0.7	13	PRINCE EDWARD ISLANDS REGION
14	21	39	46.6&	16.016	N	95.034	W	30					5	OAXACA, MEXICO. <UNM>. MD 4.3 (UNM).
14	22	25	40.5?	19.45	S	169.01	E	159	?	4.0		1.0	7	VANUATU ISLANDS
14	22	35	25.8?	30.36	S	71.82	W	100	G			0.5	14	NEAR COAST OF CENTRAL CHILE
14	22	56	32.3&	53.712	N	165.749	W	13					16	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.0 (AEIC).
14	23	15	21.5&	38.400	N	0.700	W	3					4	SPAIN. <MDD>. mbLg 2.1 (MDD).
14	23	57	37.4&	45.531	N	27.294	E	33	N			0.9	5	ROMANIA
14	23	58	05.6?	41.26	N	49.51	E	33	N	3.6		1.2	6	CASPIAN SEA
15	00	15	53.6*	24.372	N	122.981	E	167	?	4.6		1.5	15	TAIWAN REGION
15	00	15	58.8&	35.330	S	71.058	W	106					12	CENTRAL CHILE. <GUC>.
15	01	02	26.7*	14.098	S	166.995	E	40	D	4.5		1.1	26	VANUATU ISLANDS
15	02	05	16.1	40.439	N	26.168	E	10	G			0.9	19	TURKEY. MD 3.6 (ISK).
15	02	53	18.2*	36.572	N	142.030	E	33	N	3.8		1.0	13	OFF EAST COAST OF HONSHU, JAPAN
15	03	25	16.5?	51.47	N	16.08	E	5	G			0.5	6	POLAND. ML 3.0 (VIE), 2.7 (WAR).
15	03	30	46.1	5.929	S	105.406	E	33	N	5.0	4.3	1.2	91	SUNDA STRAIT
15	03	41	21.0&	36.330	N	4.090	W	16					10	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.1 (MDD).
15	03	45	06.0	33.305	N	138.514	E	268		4.4		0.9	60	SOUTH OF HONSHU, JAPAN
15	03	54	40.8&	33.113	S	70.445	W	102					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
15	04	01	17.2&	32.346	S	71.434	W	40					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
15	04	51	16.0&	36.100	N	4.300	W	0	G				17	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
15	05	18	08.8	42.408	N	12.981	E	10	G	4.8		0.9	166	CENTRAL ITALY. ML 4.8 (STR), 4.2 (LDG). Some damage (VII) at Antrodoco. Slight damage at Borgo Velino and Pendenza.
15	05	41	24.7*	0.946	N	30.048	E	10	G	4.7		1.0	60	UGANDA
15	06	33	58.1&	33.163	S	71.883	W	15					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
15	06	44	19.4*	5.564	S	145.913	E	38	*	4.0		1.1	12	EASTERN NEW GUINEA REG., P.N.G.
15	06	46	19.4&	44.675	N	7.306	E	6					4	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
15	07	07	24.3	12.844	N	143.155	E	145	D	4.5		1.0	37	SOUTH OF MARIANA ISLANDS
15	07	14	25.8*	28.870	N	130.662	E	10	G	4.0		1.3	17	RYUKYU ISLANDS
15	08	15	32.7	2.827	S	139.619	E	33	N	4.1		1.3	20	NEAR NORTH COAST OF IRIAN JAYA
15	09	39	16.4*	41.265	N	14.494	E	150	G			1.3	14	SOUTHERN ITALY
15	10	11	23.0*	38.439	N	119.163	E	33	N			0.3	7	NORTHEASTERN CHINA. ML 3.9 (BJI).
15	10	11	27.4&	33.041	S	70.931	W	62					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
15	10	18	12.0&	34.427	S	70.456	W	9					16	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.0 (GUC).

15	10	20	11.6*	24.786	S	70.914	W	60	*	4.5		1.0	10	NEAR COAST OF NORTHERN CHILE
15	10	40	57.8*	36.606	S	178.195	E	273	*	4.5		0.6	26	OFF E. COAST OF N. ISLAND, N.Z.
15	11	00	40.1	2.162	N	128.752	E	100	G	4.5		1.0	21	HALMAHERA, INDONESIA
15	11	13	39.3&	19.240	N	65.780	W	39					5	PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
15	11	41	30.7&	44.958	N	6.602	E	1					14	FRANCE. <GEN>. ML 1.8 (GEN), 1.8 (LDG).
15	11	46	46.9&	34.447	S	70.380	W	4					8	CHILE-ARGENTINA BORDER REGION. <GUC>.
15	11	47	49.6&	34.449	S	70.385	W	8					8	CHILE-ARGENTINA BORDER REGION. <GUC>.
15	11	54	32.4&	44.970	N	6.614	E	0					30	FRANCE. <GEN>. ML 2.4 (GEN), 2.2 (LDG), 2.1 (STR).
15	12	08	42.2*	54.869	N	163.522	E	33	N			1.3	9	OFF EAST COAST OF KAMCHATKA
15	12	12	20.5&	34.438	S	70.407	W	6					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
15	12	38	06.5*	35.928	N	141.624	E	10	G	4.5		1.2	13	NEAR EAST COAST OF HONSHU, JAPAN
15	13	40	24.4?	12.18	N	141.71	E	33	N			1.0	10	SOUTH OF MARIANA ISLANDS
15	14	17	05.9*	29.887	N	142.202	E	33	N	4.3		1.4	23	SOUTH OF HONSHU, JAPAN
15	14	30	25.8?	18.53	S	71.72	W	33	N	4.3		1.5	5	OFF COAST OF NORTHERN CHILE
15	14	36	34.8&	34.511	S	70.732	W	106					10	CHILE-ARGENTINA BORDER REGION. <GUC>.
15	14	57	28.2*	1.211	N	29.841	E	10	G	4.7		0.8	36	ZAIRE
15	15	00	32.3*	2.118	N	126.236	E	33	N	4.0		1.3	15	NORTHERN MOLUCCA SEA
15	15	08	51.2&	46.500	N	6.600	E	2					12	SWITZERLAND. <LDG>. ML 2.1 (LDG), 1.8 (STR).
15	15	29	05.2&	43.000	N	0.200	E	3					33	FRANCE. <LDG>. ML 3.3 (LDG), 3.3 (STR). mbLg 2.8 (MDD). Felt (III) in the Bigorre region.
15	15	57	45.6*	1.868	N	30.051	E	10	G	4.6		0.8	34	UGANDA
15	16	03	44.2&	37.220	N	4.180	W	4					26	SPAIN. <MDD>. mbLg 2.9 (MDD).
15	16	14	06.0?	24.61	S	177.69	W	200	G	4.5		1.2	24	SOUTH OF FIJI ISLANDS
15	16	16	46.6?	0.32	N	30.17	E	10	G	4.4		1.5	9	UGANDA
15	16	29	03.2&	37.210	N	4.210	W	1					10	SPAIN. <MDD>. mbLg 1.7 (MDD).
15	16	56	08.2*	37.400	N	139.968	E	10	G			0.9	7	EASTERN HONSHU, JAPAN
15	17	26	17.0&	36.630	N	3.330	W	15					7	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.0 (MDD).
15	17	29	16.5	0.752	N	29.956	E	10	G	4.8	3.8	0.9	92	ZAIRE
15	17	47	11.8&	33.140	S	70.271	W	7					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
15	18	14	11.7*	21.777	S	170.351	E	33	N	4.2		1.2	31	LOYALTY ISLANDS REGION
15	18	28	19.0	36.322	N	137.708	E	10	G	4.8		0.8	18	EASTERN HONSHU, JAPAN
15	18	29	17.9*	36.208	N	137.740	E	10	G			1.2	12	EASTERN HONSHU, JAPAN
15	18	31	08.6	36.268	N	137.644	E	10	G	4.9	5.0	1.0	116	EASTERN HONSHU, JAPAN. Mw 5.5 (HRV). Damage from a landslide in Gifu Prefecture. Felt (IV JMA) at Kamikochi. Also felt at Hotaka, Kamioka and Toyama. Centroid, Moment Tensor (HRV): Centroid origin time 18:31:13.2; Lat 36.33 N; Lon 137.51 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.60, Plg=8, Azm=50; (N) Val=0.43, Plg=70, Azm=164; (P) Val=-2.03, Plg=18, Azm=318; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=95, Dip=71, Slip=-173; NP2: Strike=3, Dip=83, Slip=-19.
15	18	50	39.6&	18.870	N	65.800	W	50					5	PUERTO RICO REGION. <MPR>. MD 3.3 (MPR).
15	18	52	50.6&	32.142	S	71.737	W	14					8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
15	19	26	44.8?	5.95	S	102.15	E	33	N	4.2		1.5	10	SOUTHERN SUMATERA, INDONESIA
15	20	27	48.9&	18.960	N	65.860	W	31					9	PUERTO RICO REGION. <MPR>. MD 3.6 (MPR).
15	20	59	45.6&	45.886	N	14.625	E	10	G			0.3	5	NORTHWESTERN BALKAN REGION. ML 1.5 (LJU).
15	21	34	55.6*	37.297	N	57.744	E	33	N	4.0		1.5	11	TURKMENISTAN-IRAN BORDER REGION
15	22	14	34.6&	37.145	N	28.490	E	10	G				8	TURKEY. <ISK>. MD 3.3 (ISK).
15	22	48	27.7&	46.000	N	7.500	E	2					10	SWITZERLAND. <LDG>. ML 1.9 (LDG).
15	23	19	10.0&	32.322	S	71.362	W	43					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
15	23	44	49.0&	45.500	N	6.700	E	2					5	FRANCE. <LDG>. ML 1.5 (LDG).
16	00	19	52.8*	52.568	N	174.942	W	33	N	4.2		1.1	11	ANDREANOF ISLANDS, ALEUTIAN IS.
16	01	24	11.8&	61.611	N	146.345	W	37					52	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.5 (PMR).
16	01	30	17.7&	42.900	N	2.500	E	2	G				16	PYRENEES. <LDG>. ML 3.1 (STR), 2.4 (LDG).
16	01	40	12.5&	39.386	N	20.803	E	4					80	GREECE-ALBANIA BORDER REGION. <THE>. ML 3.6 (THE).
16	01	59	10.1	51.468	N	174.151	W	33	N	4.6	4.3	0.9	97	ANDREANOF ISLANDS, ALEUTIAN IS.
16	02	04	04.0*	15.658	S	173.372	W	33	N	4.6	4.3	1.3	38	TONGA ISLANDS
16	02	27	00.3	45.327	N	10.329	E	14				1.1	58	NORTHERN ITALY. ML 3.2 (GRF), 3.1 (STR), 3.1 (VIE), 2.9 (LDG).
16	02	44	06.8?	22.64	S	170.68	E	99	?	4.1		0.7	11	LOYALTY ISLANDS REGION
16	04	47	40.2	0.875	N	29.899	E	10	G	4.7	4.4	0.9	68	ZAIRE
16	04	48	14.6*	15.311	S	173.352	W	33	N	4.7	4.9	1.1	51	TONGA ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:48:19.2; Lat 15.31 S; Lon 173.16 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.59, Plg=44, Azm=313; (N) Val=0.11, Plg=21, Azm=201; (P) Val=-1.70, Plg=38, Azm=93; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=120, Dip=22, Slip=9; NP2: Strike=22, Dip=87, Slip=111.
16	05	04	12.1*	51.131	N	15.864	E	5	G			1.5	6	POLAND. ML 3.1 (VIE), 2.7 (WAR).
16	05	05	57.8	34.644	N	24.187	E	21	*	4.5		1.3	190	CRETE. ML 4.6 (THE).
16	05	34	33.8*	15.690	S	13.361	W	10	G	5.0	4.3	0.9	17	SOUTHERN MID-ATLANTIC RIDGE
16	05	47	34.8&	47.800	N	3.600	W	4					7	FRANCE. <LDG>. ML 2.0 (LDG).
16	06	05	12.2&	42.900	N	0.600	W	2					7	PYRENEES. <LDG>. ML 2.6 (STR), 1.9 (LDG).
16	07	06	20.3&	53.692	N	163.462	W	39					6	UNIMAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
16	08	00	44.8&	40.358	N	27.913	E	10	G				4	TURKEY. <ISK>. MD 2.8 (ISK).
16	08	32	46.5	58.107	N	142.970	W	10	G			0.7	45	GULF OF ALASKA. ML 3.5 (PMR), 3.4 (AEIC), 3.3 (PGC).
16	09	08	01.2*	29.418	N	56.531	E	100	G	4.1		0.8	18	SOUTHERN IRAN
16	11	11	21.7	55.566	N	35.125	W	10	G	4.5	4.0	1.0	49	NORTH ATLANTIC OCEAN
16	11	13	04.6	23.061	N	120.721	E	31		4.7		1.0	37	TAIWAN
16	11	31	22.0&	37.000	N	3.740	W	6					6	SPAIN. <MDD>. mbLg 1.8 (MDD).
16	11	34	23.2	20.389	S	178.734	W	650	G	4.5		1.0	105	FIJI ISLANDS REGION
16	11	47	07.3*	3.098	S	139.769	E	33	N	3.3		1.2	7	IRIAN JAYA, INDONESIA
16	11	52	09.2	5.447	S	126.568	E	10	G	4.9		0.9	17	BANDA SEA
16	13	34	40.2&	34.121	N	116.928	W	6		4.2			80	SOUTHERN CALIFORNIA. <PAS-P>. Mw 4.4 (BRK). ML 4.7 (PAS). Felt in the San Bernardino-Yucaipa area, parts of Orange County and as far west as Los Angeles. Moment Tensor (BRK): Dep 8; Principal axes (scale 10**15 Nm): (T) Val=5.02, Plg=8, Azm=98; (N) Val=0.00, Plg=77, Azm=333; (P) Val=-5.02, Plg=11, Azm=190; Best double couple: Mo=5.0*10**15 Nm; NP1: Strike=324, Dip=88, Slip=-167; NP2: Strike=234, Dip=77, Slip=-2.

16	14	05	22.7	37.215	N	141.553	E	64		5.3		0.8	283	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.4 (HRV). Felt (II JMA) in parts of Fukushima, Ibaraki, Miyagi, Saitama and Tochigi Prefectures. Felt (I JMA) as far as Iwate and Kanagawa Prefectures. Centroid, Moment Tensor (HRV): Centroid origin time 14:05:22.3; Lat 37.25 N; Lon 141.87 E; Dep 34.0 Bdy; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.14, Plg=65, Azm=262; (N) Val=0.08, Plg=10, Azm=14; (P) Val=-1.22, Plg=22, Azm=108; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=217, Dip=24, Slip=114; NP2: Strike=10, Dip=68, Slip=79.
16	14	28	04.9?	23.20	S	170.78	E	33	N			1.3	6	LOYALTY ISLANDS REGION
16	14	48	19.1*	14.250	N	89.981	W	202	D	4.7		1.2	34	GUATEMALA
16	14	59	15.4*	9.469	S	112.957	E	33	N	3.4		0.3	5	SOUTH OF JAWA, INDONESIA
16	15	05	55.5&	36.429	N	27.770	E	10	G				21	DODECANESE ISLANDS. <ISK>. MD 3.3 (ISK).
16	15	08	50.0	37.885	N	22.130	E	10	G	4.1		1.4	30	SOUTHERN GREECE
16	15	53	53.0*	37.077	N	141.883	E	33	N			0.7	9	NEAR EAST COAST OF HONSHU, JAPAN
16	16	26	13.6	16.354	S	167.743	E	180	*	4.8		1.4	80	VANUATU ISLANDS
16	17	22	16.1*	21.674	N	143.229	E	270	?	3.9		0.9	17	MARIANA ISLANDS REGION
16	19	05	53.6&	34.109	N	116.926	W	5					26	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
16	19	10	24.5	19.524	N	147.300	E	33	N	4.4		1.0	31	MARIANA ISLANDS REGION
16	19	25	26.3*	50.321	N	129.459	W	10	G	3.8		1.5	13	VANCOUVER ISLAND REGION. ML 3.7 (PGC).
16	19	45	23.3&	16.975	N	100.502	W	10					5	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.4 (UNM).
16	19	46	24.0*	23.239	N	94.403	E	122	?	3.8		0.9	20	MYANMAR-INDIA BORDER REGION
16	19	58	44.6*	6.452	S	130.741	E	104	?	4.3		1.3	11	BANDA SEA
16	20	33	34.3&	7.236	N	80.546	W	10	G				4	PANAMA. <UPA>. MD 3.5 (UPA).
16	21	09	15.0?	12.18	N	125.15	E	231	?	4.4		1.2	8	SAMAR, PHILIPPINE ISLANDS
16	21	09	34.7&	37.070	N	2.260	W	4					4	SPAIN. <MDD>. mbLg 1.6 (MDD).
16	21	29	05.6?	35.66	N	140.69	E	33	N			0.7	5	NEAR EAST COAST OF HONSHU, JAPAN
16	22	40	10.7&	36.740	N	4.210	W	54					12	STRAIT OF GIBRALTAR. <MDD>.
16	22	44	24.4*	11.530	N	142.972	E	45	D	4.0		0.9	19	SOUTH OF MARIANA ISLANDS
16	23	12	19.1*	36.567	N	71.431	E	100	G	3.9		1.0	9	AFGHANISTAN-TAJIKISTAN BORD REG.
16	23	22	03.8*	31.500	S	67.795	W	33	N			0.7	6	SAN JUAN PROVINCE, ARGENTINA
16	23	22	40.3&	63.233	N	149.755	W	100					35	CENTRAL ALASKA. <AEIC>.
16	23	27	11.9&	48.200	N	2.700	W	2					6	FRANCE. <LDG>. ML 2.6 (LDG).
16	23	31	04.3&	48.200	N	2.700	W	6					5	FRANCE. <LDG>. ML 2.4 (LDG).
16	23	31	31.0&	59.539	N	152.176	W	62					17	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
16	23	34	21.6*	30.066	N	88.259	E	33	N			1.0	6	XIZANG
17	00	54	18.5&	10.468	N	62.118	W	8		3.9			15	NEAR COAST OF VENEZUELA. <TRN>. MD 4.1 (TRN).
17	00	57	33.3	38.773	N	143.488	E	33	N	4.2		1.0	28	OFF EAST COAST OF HONSHU, JAPAN
17	01	15	05.6	36.208	N	137.714	E	10	G	4.5	4.6	1.1	45	EASTERN HONSHU, JAPAN. Felt (III JMA) in central Nagano and (I JMA) in parts of Fukui, Gifu, Gumma, Ishikawa, Saitama and Toyama Prefectures.
17	01	19	37.0*	12.281	N	125.309	E	33	N	4.3		1.2	15	SAMAR, PHILIPPINE ISLANDS
17	01	50	03.4&	17.057	N	99.852	W	30					4	GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).
17	02	28	05.0*	9.667	N	122.310	E	31	D	4.5		1.0	14	NEGROS, PHILIPPINE ISLANDS
17	02	57	07.2?	12.94	N	91.99	W	33	N	3.8		1.0	8	OFF COAST OF CENTRAL AMERICA
17	03	34	52.8?	18.95	S	175.24	W	33	N	4.5		0.9	15	TONGA ISLANDS
17	03	59	29.3*	22.196	S	178.028	W	400	G	4.0		0.5	13	SOUTH OF FIJI ISLANDS
17	04	28	13.2&	34.063	S	70.353	W	7					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
17	04	29	41.7&	34.050	S	70.360	W	8					8	CHILE-ARGENTINA BORDER REGION. <GUC>.
17	04	57	08.5*	28.897	S	135.061	E	10	G	3.7		1.1	7	SOUTH AUSTRALIA. Felt in the epicentral area.
17	05	28	50.2*	9.693	S	119.217	E	33	N	3.1		1.3	10	SUMBA REGION, INDONESIA
17	05	57	26.9&	40.648	N	124.126	W	23					9	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.2 (GM).
17	06	06	38.3&	57.210	N	153.674	W	41		4.6	4.0		145	KODIAK ISLAND REGION. <AEIC>. ML 5.0 (AEIC), 5.1 (PMR). Felt (IV) at Old Harbor and (III) at Kodiak.
17	06	29	33.7&	34.062	S	70.351	W	8					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.0 (GUC).
17	06	36	26.4	10.047	S	77.612	W	92	D	4.7		0.7	66	NEAR COAST OF PERU
17	06	54	05.8*	19.742	S	177.711	W	575	*	4.0		1.0	22	FIJI ISLANDS REGION
17	07	17	09.4&	57.095	N	153.688	W	44					12	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
17	07	42	19.1*	3.179	S	12.258	W	27	D			0.4	11	NORTH OF ASCENSION ISLAND
17	08	02	06.3	3.184	S	12.161	W	23	D	4.9	4.6	0.8	93	NORTH OF ASCENSION ISLAND. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:02:10.9; Lat 3.34 S; Lon 12.34 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.43, Plg=26, Azm=62; (N) Val=1.09, Plg=18, Azm=323; (P) Val=-8.51, Plg=58, Azm=202; Best double couple: Mo=8.0*10**16 Nm; NP1: Strike=186, Dip=25, Slip=-44; NP2: Strike=317, Dip=73, Slip=-108.
17	08	31	03.4?	10.33	N	85.83	W	33	N	4.0		1.1	8	COSTA RICA
17	08	41	55.0&	57.203	N	153.698	W	15					14	KODIAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
17	09	26	39.5*	4.424	S	139.346	E	10	G	3.5		0.8	10	IRIAN JAYA, INDONESIA
17	09	44	47.1&	34.271	N	117.202	W	7					32	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt in the epicentral area.
17	09	46	59.0*	31.628	N	102.488	E	27	D	4.2		0.9	14	SICHUAN, CHINA. ML 3.9 (BJI).
17	09	54	39.6?	6.40	N	127.61	E	33	N			0.7	5	PHILIPPINE ISLANDS REGION
17	10	03	36.0*	52.168	N	30.066	W	10	G	3.8		0.9	11	NORTHERN MID-ATLANTIC RIDGE
17	10	21	11.3&	32.679	S	71.809	W	27					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
17	10	52	08.4&	37.724	N	38.595	E	10	G				4	TURKEY. <ISK>. MD 3.0 (ISK).
17	12	43	39.8	7.580	S	107.199	E	77		5.4	4.4	1.2	166	JAWA, INDONESIA. Mw 5.4 (HRV). Felt (IV) at Jampang-kulon and (III) at Bandung, Jakarta, Pelabuhanratu and Sukabumi. Centroid, Moment Tensor (HRV): Centroid origin time 12:43:44.5; Lat 7.98 S; Lon 107.23 E; Dep 57.4; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.19, Plg=70, Azm=37; (N) Val=0.52, Plg=9, Azm=281; (P) Val=-1.71, Plg=18, Azm=188; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=264, Dip=28, Slip=70; NP2: Strike=106, Dip=63, Slip=100.
17	14	15	32.6&	57.236	N	153.663	W	42					24	KODIAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
17	14	25	49.6&	33.725	S	70.402	W	106					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
17	15	07	18.0?	3.20	S	141.82	E	33	N	3.8		0.5	7	NEW GUINEA, PAPUA NEW GUINEA
17	15	08	47.5?	30.87	S	179.53	W	300	G	3.9		0.9	13	KERMADEC ISLANDS REGION
17	16	30	23.8&	34.099	S	71.937	W	36					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).

17	16	31	16.6?	3.47	S	68.13	E	33	N	4.4		1.3	6	CHAGOS ARCHIPELAGO REGION
17	17	01	01.2&	43.500	N	0.600	W	8					38	PYRENEES. <LDG>. ML 3.5 (LDG), 2.8 (STR). mbLg 3.0 (MDD).
17	17	19	23.7&	9.065	N	79.603	W	0	G				4	PANAMA. <UPA>. MD 3.2 (UPA).
17	17	46	14.3*	8.235	S	106.744	E	33	N	4.1		1.1	8	SOUTH OF JAWA, INDONESIA
17	17	55	00.7*	33.223	N	76.001	E	33	N	3.4		1.3	8	KASHMIR-INDIA BORDER REGION
17	18	17	34.1	43.315	N	82.704	E	16	D	4.4		0.8	24	NORTHERN XINJIANG, CHINA
17	19	38	16.7	19.641	S	175.529	W	143	D	4.6		1.0	51	TONGA ISLANDS
17	19	55	40.9	57.943	N	162.830	E	33	N	4.6	4.1	0.9	81	NEAR EAST COAST OF KAMCHATKA
17	20	01	17.5&	37.220	N	4.170	W	9					11	SPAIN. <MDD>. mbLg 2.2 (MDD).
17	20	03	04.5&	12.015	N	60.879	W	28					7	WINDWARD ISLANDS. <TRN>. MD 3.2 (TRN).
17	20	39	52.0*	5.213	S	142.323	E	33	N			0.2	5	NEW GUINEA, PAPUA NEW GUINEA
17	21	45	34.9*	23.908	S	179.921	W	600	G	4.4		0.9	21	SOUTH OF FIJI ISLANDS
17	22	12	47.1	45.540	N	26.351	E	10	G			0.4	6	ROMANIA
17	23	18	01.6&	34.122	N	116.931	W	7					29	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt in the epicentral area.
17	23	54	26.4*	7.919	S	128.809	E	200	G	4.8		1.4	11	BANDA SEA
18	00	40	26.9&	33.139	S	70.921	W	76					21	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.1 (GUC). Felt (III) at Santiago and (II) at Algarrobo, El Tabo, San Antonio, Valparaiso and Vina del Mar, Chile.
18	00	45	11.1&	33.157	S	70.931	W	71					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
18	00	54	19.0&	36.747	N	121.446	W	8					15	CENTRAL CALIFORNIA. <GM-P>. MD 3.3 (GM).
18	03	59	10.0*	21.196	S	173.851	E	33	N	4.4		1.4	20	VANUATU ISLANDS REGION
18	04	10	20.6	27.555	N	90.977	E	22	D	5.2	4.5	0.9	193	BHUTAN
18	04	46	29.9*	29.201	N	130.527	E	40	D	4.4		1.3	12	RYUKYU ISLANDS
18	05	01	27.0	30.210	S	178.341	W	200	G	4.7		1.0	46	KERMADEC ISLANDS, NEW ZEALAND
18	05	09	08.6*	51.684	N	7.631	E	10	G			1.0	16	GERMANY. ML 3.2 (LDG), 2.9 (STR), 2.8 (UCC).
18	05	24	53.2&	18.250	N	103.190	W	11					8	NEAR COAST OF MICHOACAN, MEXICO. <UNM>. MD 4.1 (UNM).
18	06	07	46.4&	57.361	N	156.742	W	101		4.2			57	ALASKA PENINSULA. <AEIC>.
18	06	22	12.8&	57.257	N	153.686	W	10					11	KODIAK ISLAND REGION. <AEIC>. ML 2.9 (AEIC).
18	06	30	34.4	14.162	S	166.736	E	33	N	4.8	4.3	0.9	82	VANUATU ISLANDS
18	07	02	19.5	29.270	N	130.521	E	40	D	4.4	4.0	1.1	33	RYUKYU ISLANDS. Felt (I JMA) on Nakano-shima.
18	07	29	17.2?	15.00	S	173.68	W	33	N	4.3		0.8	11	SAMOA ISLANDS REGION
18	08	03	35.2*	18.473	N	81.646	W	33	N	3.7		0.8	9	CARIBBEAN SEA
18	08	17	54.2*	14.832	N	123.467	E	23	D	4.4		0.9	18	LUZON, PHILIPPINE ISLANDS
18	08	18	19.3	17.525	S	178.937	W	516	*	4.5		0.8	76	FIJI ISLANDS REGION
18	08	41	46.3&	58.260	N	155.167	W	111		3.5			34	ALASKA PENINSULA. <AEIC>.
18	08	50	18.5	14.164	S	166.610	E	54	D	4.2		1.1	43	VANUATU ISLANDS
18	09	26	51.5&	34.076	S	70.410	W	0					7	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
18	09	56	05.7&	43.100	N	5.000	E	2					26	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 3.2 (STR), 3.0 (LDG).
18	10	26	44.5&	57.186	N	154.069	W	0					19	KODIAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
18	10	28	12.9&	34.286	S	71.111	W	62					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
18	10	50	33.4*	43.189	S	15.591	W	10	G	4.9	4.5	1.4	22	SOUTHERN MID-ATLANTIC RIDGE
18	11	10	20.0&	40.870	N	7.220	W	8					30	PORTUGAL. <MDD>. ML 3.5 (LDG). mbLg 3.1 (MDD).
18	11	25	24.2&	61.495	N	148.255	W	12		4.7	3.7		148	SOUTHERN ALASKA. <AEIC>. ML 4.9 (AEIC), 4.7 (PMR). Felt (IV) at Anchorage, Palmer and Wasilla.
18	11	39	55.0*	19.231	S	178.360	W	550	G	3.8		0.4	16	FIJI ISLANDS REGION
18	12	07	07.9&	34.003	S	70.151	W	14					6	CHILE-ARGENTINA BORDER REGION. <GUC>.
18	12	24	19.4	7.547	S	126.403	E	346		4.6		1.0	49	BANDA SEA
18	12	57	38.1&	32.355	S	71.715	W	19					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
18	13	45	47.6	41.350	N	20.445	E	10	G			0.9	11	ALBANIA. ML 3.3 (ROM).
18	13	48	11.2	2.371	S	138.008	E	33	N	3.8		1.0	19	IRIAN JAYA, INDONESIA
18	13	55	11.6&	36.717	N	35.723	E	10	G				4	TURKEY. <ISK>. MD 3.2 (ISK).
18	15	03	16.8&	40.236	N	28.856	E	6					4	TURKEY. <ISK>. MD 2.6 (ISK).
18	15	31	15.3*	0.558	S	99.282	E	47	D	4.1		1.1	14	SOUTHERN SUMATERA, INDONESIA
18	15	43	55.9*	1.714	N	127.129	E	100	G	4.2		0.9	13	HALMAHERA, INDONESIA
18	16	13	39.8&	34.404	S	70.883	W	91					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
18	16	19	00.7	4.459	S	141.829	E	33	N	3.6		0.9	10	NEW GUINEA, PAPUA NEW GUINEA
18	16	27	33.1&	19.176	N	98.955	W	10					9	CENTRAL MEXICO. <UNM>. MD 2.9 (UNM).
18	17	00	20.2&	60.044	N	141.445	W	9					33	SOUTHEASTERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PGC).
18	18	00	12.7	45.852	N	149.116	E	116	D	5.4		0.9	423	KURIL ISLANDS. Mw 5.6 (GS), 5.6 (HRV). Felt (III) at Kurilsk, Iturup and (II) on Shikotan-to. Moment Tensor (GS): Dep 109; Principal axes (scale 10**17 Nm): (T) Val=2.27, Plg=36, Azm=85; (N) Val=0.23, Plg=19, Azm=189; (P) Val=-2.50, Plg=48, Azm=302; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=118, Dip=20, Slip=-162; NP2: Strike=11, Dip=84, Slip=-71. Centroid, Moment Tensor (HRV): Centroid origin time 18:00:16.1; Lat 45.68 N; Lon 149.31 E; Dep 125.2; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.44, Plg=46, Azm=108; (N) Val=0.24, Plg=7, Azm=205; (P) Val=-2.68, Plg=44, Azm=302; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=107, Dip=7, Slip=172; NP2: Strike=205, Dip=89, Slip=83.
18	18	43	23.0*	29.414	N	130.480	E	79	?			0.7	11	RYUKYU ISLANDS
18	18	52	49.2&	19.193	N	98.988	W	3					9	CENTRAL MEXICO. <UNM>. MD 2.9 (UNM).
18	19	54	24.9&	36.247	N	27.915	E	10	G				16	DODECANESE ISLANDS. <ISK>. MD 3.3 (ISK).
18	19	57	05.5*	15.726	N	146.250	E	115	D	4.8		1.2	15	MARIANA ISLANDS
18	19	57	25.8	36.183	N	31.244	E	67		4.0		0.8	59	TURKEY. MD 4.0 (ISK).
18	20	37	19.9&	45.200	N	6.600	E	2					6	FRANCE. <LDG>. ML 1.8 (LDG).
18	20	55	35.3*	2.859	N	127.555	E	178	?	4.4		0.8	13	NORTHERN MOLUCCA SEA
18	20	57	44.1*	58.008	S	148.049	E	10	G	4.5	5.1	1.3	26	WEST OF MACQUARIE ISLAND. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:57:47.7; Lat 58.13 S; Lon 148.15 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.65, Plg=1, Azm=209; (N) Val=-0.37, Plg=78, Azm=302; (P) Val=-2.28, Plg=12, Azm=119; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=254, Dip=81, Slip=-172; NP2: Strike=163, Dip=82, Slip=-9.
18	21	08	59.7&	33.143	S	70.278	W	3					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
18	22	19	33.2&	45.300	N	6.600	E	2					4	FRANCE. <LDG>. ML 1.4 (LDG).
18	22	58	24.4&	43.877	N	8.035	E	15					4	CORSICA. <GEN>. ML 1.6 (GEN).
18	23	07	21.6	34.868	S	108.554	W	10	G	4.9	4.4	0.8	55	SOUTHERN EAST PACIFIC RISE
18	23	17	36.1&	57.292	N	153.675	W	9					15	KODIAK ISLAND REGION. <AEIC>. ML 2.9 (AEIC).

18	23	36	05.1&	36.844	N	121.580	W	8					8	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
18	23	48	32.0	15.709	S	174.180	W	100	G	4.8		0.5	63	TONGA ISLANDS
19	00	02	32.0	29.824	S	71.725	W	58	*			1.0	27	NEAR COAST OF CENTRAL CHILE. MD 4.5 (GUC). Felt (IV) at Punitaqui and (III) at Coquimbo and La Serena.
19	00	24	39.2*	25.877	S	179.993	W	500	G	4.8		1.1	42	SOUTH OF FIJI ISLANDS
19	00	30	28.6*	4.021	S	151.253	E	100	G	4.3		1.4	11	NEW BRITAIN REGION, P.N.G.
19	00	38	07.1*	3.976	S	151.057	E	100	G	4.1		1.0	15	NEW IRELAND REGION, P.N.G.
19	00	51	00.7&	48.000	N	3.900	W	14					7	FRANCE. <LDG>. ML 1.9 (LDG).
19	01	22	42.8&	32.370	S	71.355	W	44					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
19	01	51	44.3&	32.023	S	70.268	W	118					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
19	02	07	24.0	13.742	S	167.154	E	213	*	5.0		1.0	133	VANUATU ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:07:28.9; Lat 13.51 S; Lon 167.35 E; Dep 238.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.89, Plg=50, Azm=353; (N) Val=-0.72, Plg=36, Azm=206; (P) Val=-6.16, Plg=17, Azm=104; Best double couple: Mo=6.5*10**16 Nm; NP1: Strike=154, Dip=42, Slip=30; NP2: Strike=41, Dip=70, Slip=128.
19	02	53	34.1	15.615	N	91.973	W	215	D	4.4		1.3	48	MEXICO-GUATEMALA BORDER REGION
19	03	23	25.8&	32.148	S	69.274	W	197					14	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.8 (GUC).
19	03	43	39.1&	46.300	N	2.900	E	4					6	FRANCE. <LDG>. ML 1.5 (LDG).
19	04	39	11.2	50.705	N	129.595	W	10	G	4.3		0.9	97	VANCOUVER ISLAND REGION. ML 4.3 (PGC). MD 4.1 (SEA).
19	05	26	20.6*	52.510	N	167.494	W	33	N	4.5		1.0	18	FOX ISLANDS, ALEUTIAN ISLANDS
19	05	46	13.5&	34.210	S	70.296	W	5					7	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
19	06	15	55.2&	33.786	S	71.400	W	41					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
19	06	33	31.0	22.370	S	179.283	W	550	G	4.0		0.7	32	SOUTH OF FIJI ISLANDS
19	06	40	57.0&	34.745	S	70.343	W	0					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
19	06	49	16.5	25.055	S	177.935	W	300	G	4.2		0.9	53	SOUTH OF FIJI ISLANDS
19	06	50	03.7	33.356	S	78.037	E	10	G			1.0	10	MID-INDIAN RIDGE
19	06	55	11.0	3.998	S	151.580	E	33	N	5.0	4.7	1.4	37	NEW IRELAND REGION, P.N.G. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:55:05.5; Lat 4.00 S Fix; Lon 151.58 E Fix; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**16 Nm): (T) Val=9.82, Plg=24, Azm=166; (N) Val=-3.19, Plg=63, Azm=15; (P) Val=-6.63, Plg=12, Azm=261; Best double couple: Mo=8.2*10**16 Nm; NP1: Strike=306, Dip=65, Slip=9; NP2: Strike=212, Dip=82, Slip=154.
19	07	53	34.2&	34.637	S	71.909	W	35					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
19	07	58	38.4&	42.525	N	19.052	E	11		3.6			89	NORTHWESTERN BALKAN REGION. <PDG>. ML 4.0 (PDG), 3.9 (THE).
19	08	19	01.9&	53.658	N	166.065	W	75					13	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>.
19	08	42	20.8*	20.666	N	120.147	E	31	D	4.1		1.1	15	PHILIPPINE ISLANDS REGION
19	09	06	25.7&	55.625	N	161.102	W	104					14	ALASKA PENINSULA. <AEIC>.
19	09	06	32.7&	32.169	S	70.571	W	117					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
19	09	08	18.2*	3.493	S	145.425	E	46	*	4.3		1.3	26	NEAR N COAST OF NEW GUINEA, PNG.
19	09	45	50.3&	18.086	N	61.905	W	19					4	LEEWARD ISLANDS. <TRN>. MD 2.9 (TRN).
19	09	50	32.6&	17.675	N	61.555	W	31					5	LEEWARD ISLANDS. <TRN>. MD 3.2 (TRN).
19	10	18	31.0&	44.344	N	7.347	E	10					8	NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
19	11	03	30.7*	6.966	S	129.969	E	144	?	4.3		0.5	10	BANDA SEA
19	11	31	17.0?	13.83	N	91.89	W	36	D	4.3		1.4	26	NEAR COAST OF GUATEMALA
19	12	26	19.6	43.806	N	86.334	E	20	D	4.6		0.9	67	NORTHERN XINJIANG, CHINA
19	12	44	16.9&	44.700	N	10.300	E	10					27	NORTHERN ITALY. <LDG>. ML 3.1 (LDG).
19	12	55	16.3*	1.824	N	125.945	E	33	N	4.5		1.2	18	NORTHERN MOLUCCA SEA
19	13	26	38.8?	14.78	S	173.99	W	33	N	4.0		0.8	13	SAMOA ISLANDS REGION
19	13	32	18.8&	34.891	S	71.576	W	71					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.6 (GUC).
19	13	40	08.5&	33.102	S	69.214	W	2					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.8 (GUC).
19	13	42	25.8*	21.154	N	94.607	E	150	G	3.6		0.6	7	MYANMAR
19	14	24	57.9&	16.161	N	97.937	W	16					18	OAXACA, MEXICO. <UNM>. MD 4.4 (UNM).
19	15	08	24.1&	16.890	N	101.411	W	16					17	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.3 (UNM).
19	16	27	50.2*	39.128	N	27.552	E	10	G			0.5	5	TURKEY
19	16	35	38.9*	7.501	S	128.769	E	150	G	4.2		1.2	14	BANDA SEA
19	16	35	43.9&	44.495	N	7.315	E	3					4	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
19	17	00	45.8&	53.790	N	162.876	W	0					10	SOUTH OF ALASKA. <AEIC>. ML 2.8 (AEIC).
19	17	17	36.8&	34.066	S	71.489	W	40					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
19	17	41	43.6	6.179	S	147.745	E	55		5.3	5.2	1.0	81	EASTERN NEW GUINEA REG., P.N.G. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:41:46.9; Lat 6.36 S; Lon 148.03 E; Dep 43.6; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.34, Plg=13, Azm=140; (N) Val=0.04, Plg=76, Azm=293; (P) Val=-3.38, Plg=6, Azm=49; Best double couple: Mo=3.4*10**17 Nm; NP1: Strike=184, Dip=77, Slip=175; NP2: Strike=275, Dip=85, Slip=14.
19	17	53	42.7&	11.692	N	61.221	W	18					5	WINDWARD ISLANDS. <TRN>. MD 3.5 (TRN).
19	17	58	02.4*	6.632	S	147.430	E	71	*	4.4		0.9	20	EASTERN NEW GUINEA REG., P.N.G.
19	18	48	52.2*	3.449	S	139.995	E	33	N	3.7		0.5	7	IRIAN JAYA, INDONESIA
19	19	39	01.2*	27.876	N	52.565	E	33	N	4.1		1.2	16	SOUTHERN IRAN
19	19	47	50.1?	17.16	S	70.59	W	115	*	4.4		0.9	10	NEAR COAST OF PERU
19	20	51	34.2&	31.138	S	71.716	W	17					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
19	22	31	57.9&	34.086	S	71.938	W	39					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
19	22	47	16.0&	62.980	N	148.062	W	63					17	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
19	23	38	46.5&	59.566	N	153.322	W	111					26	SOUTHERN ALASKA. <AEIC>.
20	00	35	44.6&	40.850	N	7.210	W	11					54	PORTUGAL. <MDD>. ML 3.8 (LDG). mbLg 3.5 (MDD).
20	00	49	14.1&	46.000	N	7.000	E	2					5	SWITZERLAND. <LDG>. ML 2.0 (LDG).
20	01	02	46.0?	46.05	N	148.94	E	350	G	3.7		1.3	11	NORTHWEST OF KURIL ISLANDS
20	01	10	13.1&	40.840	N	7.180	W	11					34	PORTUGAL. <MDD>. mbLg 3.4 (MDD). ML 3.1 (LDG).
20	01	15	48.0&	46.830	N	8.610	E	10					14	SWITZERLAND. <STR>. ML 2.2 (LDG), 2.1 (STR).
20	01	16	14.2*	46.051	N	16.125	E	5	G			0.8	9	NORTHWESTERN BALKAN REGION. ML 2.4 (VIE), 2.1 (ZAG).
20	02	14	39.2*	46.043	N	16.120	E	5	G			0.9	7	NORTHWESTERN BALKAN REGION. ML 2.3 (VIE), 2.0 (ZAG).
20	02	27	48.1*	5.498	S	147.376	E	171		4.8		0.8	18	EASTERN NEW GUINEA REG., P.N.G.
20	02	58	44.1&	36.764	N	121.469	W	7					10	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
20	03	02	09.6*	14.981	N	119.069	E	33	N	4.3		1.5	10	LUZON, PHILIPPINE ISLANDS
20	03	08	44.1&	38.442	S	175.956	E	200	G			0.3	15	NORTH ISLAND, NEW ZEALAND
20	03	55	42.4?	22.67	S	175.46	W	33	N	3.9		1.2	9	TONGA ISLANDS REGION
20	04	38	48.8&	30.859	S	71.855	W	14					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).

20	04	42	06.9?	6.45	S	146.82	E	105	*	4.0		1.3	13	EASTERN NEW GUINEA REG., P.N.G.
20	04	46	37.7?	46.08	N	16.27	E	5	G			0.2	5	NORTHWESTERN BALKAN REGION. ML 1.7 (ZAG).
20	04	50	19.8	45.414	N	150.727	E	33	N	4.9	4.0	1.1	104	KURIL ISLANDS
20	05	03	31.9?	54.10	S	134.35	W	10	G	4.6		0.9	10	PACIFIC-ANTARCTIC RIDGE
20	05	10	57.1	31.160	N	141.768	E	38	*	4.3		0.7	25	SOUTH OF HONSHU, JAPAN
20	05	26	45.2&	32.375	S	71.390	W	35					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
20	06	40	55.8	28.932	N	139.329	E	441		6.1		0.9	488	BONIN ISLANDS REGION. Mw 7.1 (GS), 7.1 (HRV). Me 6.8 (GS). Felt (III JMA) on Chichi-jima and at Tateyama, Honshu. Felt (II JMA) in the Tokyo-Yokohama area, Honshu. Broadband Source Parameters (GS): Dep 425; NP1: Strike=340, Dip=81, Slip=-60; NP2: Strike=85, Dip=31, Slip=-162; Radiated energy 3.8*10**14 Nm. A small onset is followed by two large events about 7 and 12 seconds later. Depth based on the first large event. Moment Tensor (GS): Dep 434; Principal axes (scale 10**19 Nm): (T) Val=3.93, Plg=31, Azm=63; (N) Val=0.80, Plg=17, Azm=164; (P) Val=-4.72, Plg=54, Azm=279; Best double couple: Mo=4.3*10**19 Nm; NP1: Strike=111, Dip=21, Slip=-145; NP2: Strike=348, Dip=78, Slip=-72. Centroid, Moment Tensor (HRV): Centroid origin time 06:41:10.5; Lat 28.99 N; Lon 139.47 E; Dep 425.5; Half-duration 4.7 sec; Principal axes (scale 10**19 Nm): (T) Val=4.33, Plg=32, Azm=46; (N) Val=0.80, Plg=25, Azm=153; (P) Val=-5.13, Plg=47, Azm=273; Best double couple: Mo=4.7*10**19 Nm; NP1: Strike=83, Dip=27, Slip=-162; NP2: Strike=337, Dip=82, Slip=-64.
20	06	59	12.5*	29.047	N	139.512	E	432	*	4.3		0.6	15	SOUTH OF HONSHU, JAPAN
20	07	19	43.9&	33.749	S	72.051	W	15					8	OFF COAST OF CENTRAL CHILE. <GUC>.
20	07	32	40.6&	37.464	N	118.815	W	7					13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
20	08	11	45.4*	8.767	S	124.240	E	33	N	4.5		1.0	9	TIMOR REGION, INDONESIA
20	08	46	21.5&	10.942	N	62.041	W	64					4	NEAR COAST OF VENEZUELA. <TRN>. MD 2.6 (TRN).
20	09	34	36.4	31.213	S	68.629	W	100	G			1.1	19	SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (GUC).
20	09	36	34.7	45.561	N	136.926	E	351	D	5.2		0.8	374	NEAR SOUTHEAST COAST OF RUSSIA
20	09	45	35.6*	28.872	N	142.032	E	44	D	4.5		1.1	21	BONIN ISLANDS REGION
20	09	46	57.0&	42.381	N	18.518	E	3					5	NORTHWESTERN BALKAN REGION. <PDG>. ML 0.9 (PDG).
20	09	53	26.7&	44.300	N	7.800	E	2					6	NORTHERN ITALY. <LDG>. ML 2.2 (LDG).
20	10	13	47.8	54.048	S	134.314	W	10	G	4.7	5.2	1.0	33	PACIFIC-ANTARCTIC RIDGE
20	10	34	09.8?	53.54	N	34.64	W	10	G	4.5	4.4	1.4	9	NORTH ATLANTIC OCEAN
20	10	34	14.9*	30.669	N	140.931	E	82	?	4.3		1.0	15	SOUTH OF HONSHU, JAPAN
20	10	36	11.4*	52.412	N	35.158	W	10	G	4.5		1.5	25	NORTH ATLANTIC OCEAN
20	10	43	27.6&	38.554	N	22.975	E	3		3.6			33	GREECE. <THE>. ML 3.7 (THE).
20	11	34	20.5*	25.327	N	128.380	E	33	N	4.0		1.4	11	RYUKYU ISLANDS
20	12	46	07.7*	37.395	N	72.217	E	200	G	4.1		0.8	16	TAJIKISTAN
20	12	48	26.3&	45.634	N	14.418	E	10	G			0.6	5	NORTHWESTERN BALKAN REGION. ML 1.4 (LJU).
20	13	11	38.5*	15.748	S	13.071	W	10	G	4.5	3.9	0.8	16	SOUTHERN MID-ATLANTIC RIDGE
20	14	23	28.9	36.687	N	12.836	W	10	G			1.0	52	NORTH ATLANTIC OCEAN. mbLg 3.7 (MDD).
20	14	56	40.0	51.531	N	175.389	E	33	N	5.4		0.9	283	RAT ISLANDS, ALEUTIAN ISLANDS
20	14	59	24.5*	37.003	N	35.602	E	10	G			1.3	5	TURKEY. MD 3.3 (ISK).
20	15	00	08.1	51.618	N	175.248	E	33	N	5.6	6.0	1.0	376	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 6.3 (GS), 6.2 (HRV). Me 5.9 (GS). Ms 5.9 (BRK). Broadband Source Parameters (GS): Dep 11; NP1: Strike=69, Dip=80, Slip=90; NP2: Strike=249, Dip=10, Slip=90; Radiated energy 1.6*10**13 Nm. Moment Tensor (GS): Dep 3; Principal axes (scale 10**18 Nm): (T) Val=3.47, Plg=52, Azm=337; (N) Val=0.25, Plg=1, Azm=246; (P) Val=-3.73, Plg=38, Azm=155; Best double couple: Mo=3.6*10**18 Nm; NP1: Strike=240, Dip=7, Slip=84; NP2: Strike=66, Dip=83, Slip=91. Centroid, Moment Tensor (HRV): Centroid origin time 15:00:09.9; Lat 51.61 N; Lon 175.25 E; Dep 16.0 Bdy; Half-duration 3.1 sec; Principal axes (scale 10**18 Nm): (T) Val=2.20, Plg=59, Azm=338; (N) Val=0.01, Plg=5, Azm=76; (P) Val=-2.21, Plg=31, Azm=169; Best double couple: Mo=2.2*10**18 Nm; NP1: Strike=273, Dip=15, Slip=108; NP2: Strike=75, Dip=76, Slip=85.
20	15	01	50.5&	39.838	S	174.398	E	100	G			0.5	13	NORTH ISLAND, NEW ZEALAND
20	15	07	39.1	51.606	N	175.251	E	33	N	4.9		1.0	114	RAT ISLANDS, ALEUTIAN ISLANDS
20	15	23	14.5&	60.318	N	151.501	W	49					40	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
20	15	31	21.2&	38.964	N	28.224	E	5					5	TURKEY. <ISK>. MD 2.9 (ISK).
20	15	46	45.7	10.773	S	162.569	E	40	*	4.9		1.2	67	SOLOMON ISLANDS
20	16	03	58.9*	15.706	N	122.989	E	33	N	3.6		0.9	6	PHILIPPINE ISLANDS REGION
20	16	38	47.5	51.469	N	175.295	E	33	N	4.6		1.0	96	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR).
20	18	31	56.0	58.364	N	143.109	W	10	G			0.7	38	GULF OF ALASKA. ML 3.6 (PMR), 3.4 (AEIC).
20	18	38	16.0?	9.79	S	160.51	E	145	*	4.0		1.3	12	SOLOMON ISLANDS
20	19	19	54.4	34.337	N	24.431	E	67	?	4.2		1.1	22	CRETE
20	19	41	23.4*	6.842	N	73.244	W	173	*	4.6		1.3	22	NORTHERN COLOMBIA
20	19	41	41.9	51.583	N	175.353	E	33	N	5.3	4.5	1.0	288	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.2 (HRV). ML 5.0 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 19:41:41.2; Lat 51.44 N; Lon 174.67 E; Dep 15.0 Bdy; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.19, Plg=52, Azm=307; (N) Val=-1.68, Plg=19, Azm=63; (P) Val=-7.52, Plg=31, Azm=165; Best double couple: Mo=8.4*10**16 Nm; NP1: Strike=300, Dip=22, Slip=149; NP2: Strike=59, Dip=79, Slip=71.
20	19	50	43.8	47.041	N	151.984	E	122	*	4.2		0.8	35	KURIL ISLANDS
20	20	23	31.2&	16.232	N	97.960	W	15					10	OAXACA, MEXICO. <UNM>. MD 4.0 (UNM).
20	20	46	24.1*	5.508	S	77.464	W	33	N	4.2		0.9	11	NORTHERN PERU
20	21	13	13.7&	36.984	N	35.592	E	10	G				10	TURKEY. <ISK>. MD 3.6 (ISK).
20	21	18	53.6	30.065	N	131.994	E	33	N			1.0	16	KYUSHU, JAPAN
20	21	19	17.7&	52.697	N	163.255	W	64					13	SOUTH OF ALASKA. <AEIC>. ML 3.5 (AEIC).
20	21	45	47.2?	25.46	N	128.90	E	33	N	3.4		1.0	10	RYUKYU ISLANDS
20	22	49	55.8*	25.590	N	129.338	E	33	N	4.0		1.0	17	SOUTHEAST OF RYUKYU ISLANDS
20	22	53	51.4&	44.371	N	7.424	E	5					8	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).

20	23	15	06.2*	7.632	S	127.620	E	120	?	4.2	1.3	17	BANDA SEA
20	23	26	43.7&	43.100	N	0.030	W	8				15	PYRENEES. <LDG>. ML 2.7 (STR), 2.5 (LDG).
20	23	29	33.9	51.602	N	16.164	E	5	G		0.8	16	POLAND. ML 3.7 (GRF), 3.1 (VIE), 3.0 (WAR), 3.0 (CLL).
20	23	42	30.0&	62.087	N	148.980	W	42				36	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.1 (PMR).
20	23	49	58.4&	34.374	N	117.649	W	9		4.4		62	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.4 (PAS). Felt in the Riverside, San Bernardino and Wrightwood areas. Also felt in the Los Angeles area.
21	00	12	46.3*	29.135	N	139.730	E	389	?	4.0	1.0	13	SOUTH OF HONSHU, JAPAN
21	00	56	57.0&	37.200	N	3.670	W	0	G			8	SPAIN. <MDD>. mbLg 1.8 (MDD).
21	01	11	31.9*	51.485	N	175.221	E	33	N	4.5	1.1	32	RAT ISLANDS, ALEUTIAN ISLANDS
21	01	35	55.0	17.404	S	167.226	E	33	N		0.8	37	VANUATU ISLANDS
21	01	58	02.3	51.514	N	159.505	E	33	N	4.7	1.0	54	OFF EAST COAST OF KAMCHATKA
21	03	00	39.5	23.302	S	68.521	W	107	D	4.1	1.3	28	NORTHERN CHILE
21	03	09	39.1*	53.194	N	171.250	W	123	D	4.0	1.0	22	FOX ISLANDS, ALEUTIAN ISLANDS
21	03	24	21.8	51.448	N	175.340	E	33	N	4.8	1.0	85	RAT ISLANDS, ALEUTIAN ISLANDS
21	03	31	58.2*	56.361	N	3.183	E	10	G		1.4	5	NORTH SEA
21	03	44	11.7*	26.703	N	126.958	E	115	D		1.2	13	RYUKYU ISLANDS
21	03	49	57.5	31.977	S	69.290	W	150	G		0.6	15	SAN JUAN PROVINCE, ARGENTINA
21	03	55	27.0&	36.678	N	121.304	W	6				13	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM).
21	03	58	15.3&	36.679	N	121.305	W	6				12	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
21	04	19	55.6	47.153	N	9.294	E	5	G		1.0	35	GERMANY. ML 3.2 (VIE), 2.9 (LDG), 2.7 (STR).
21	04	32	43.8*	15.322	N	96.145	W	5	G	3.7	1.0	25	NEAR COAST OF OAXACA, MEXICO. MD 4.4 (UNM).
21	05	07	53.8&	27.445	S	70.227	W	120				7	NEAR COAST OF NORTHERN CHILE. <GUC>.
21	05	13	12.9	34.228	N	48.159	E	49		4.9 4.4	1.1	193	WESTERN IRAN. Mw 5.0 (HRV). Felt at Arak, Borujerd, Hamadan Kangavar, Malayer, Nahavand and Tuysarkan. Centroid, Moment Tensor (HRV): Centroid origin time 05:13:14.2; Lat 34.38 N; Lon 48.03 E; Dep 21.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.51, Plg=6, Azm=291; (N) Val=-0.39, Plg=4, Azm=201; (P) Val=-3.12, Plg=83, Azm=78; Best double couple: Mo=3.3*10**16 Nm; NP1: Strike=25, Dip=39, Slip=-84; NP2: Strike=197, Dip=51, Slip=-95.
21	05	19	19.0&	34.528	S	71.572	W	56				6	NEAR COAST OF CENTRAL CHILE. <GUC>.
21	05	40	32.6&	61.495	N	147.670	W	37				54	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
21	06	01	19.3?	13.99	N	121.36	E	33	N		0.9	7	MINDORO, PHILIPPINE ISLANDS
21	06	10	52.6*	31.711	S	69.186	W	133	?		0.8	14	SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (GUC).
21	06	22	41.3	46.687	N	95.891	E	20	D	4.7	1.0	56	MONGOLIA
21	06	37	08.5*	40.556	N	77.667	E	33	N	4.1	0.8	14	KYRGYZSTAN-XINJIANG BORDER REG.
21	06	54	38.0&	38.240	N	118.380	W	11				24	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 3.5 (REN). ML 3.8 (GS).
21	07	14	35.1*	5.102	S	153.623	E	64	*		0.4	11	NEW IRELAND REGION, P.N.G.
21	07	23	18.7	21.046	S	67.549	W	191	D	4.5	1.2	91	CHILE-BOLIVIA BORDER REGION
21	07	34	49.2*	43.233	N	104.413	E	33	N		1.5	12	MONGOLIA
21	08	16	25.4*	1.680	S	123.380	E	33	N		1.1	9	SULAWESI, INDONESIA
21	08	32	24.1&	46.263	N	14.503	E	10	G		0.5	6	NORTHWESTERN BALKAN REGION. ML 1.5 (LJU).
21	08	58	31.9	51.498	N	175.152	E	33	N	4.4	0.9	41	RAT ISLANDS, ALEUTIAN ISLANDS
21	09	07	03.0	19.182	S	168.965	E	133		4.8	1.0	77	VANUATU ISLANDS
21	09	46	58.9*	6.225	S	150.129	E	33	N	4.2	1.1	11	NEW BRITAIN REGION, P.N.G.
21	11	04	07.5	21.019	S	178.879	W	550	G	4.5	1.0	103	FIJI ISLANDS REGION
21	11	23	31.2&	43.070	N	1.520	W	3				4	PYRENEES. <STR>. ML 3.0 (STR), 2.6 (LDG).
21	13	00	12.7	4.808	N	77.596	W	55	*	4.7	1.3	26	NEAR WEST COAST OF COLOMBIA. MD 4.9 (UPA).
21	13	10	42.6	46.170	N	13.749	E	10	G		1.1	18	AUSTRIA. ML 3.1 (VIE), 2.5 (LJU).
21	13	21	11.3&	32.350	S	71.374	W	45				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
21	13	35	27.7*	36.266	N	141.519	E	33	N		1.1	7	NEAR EAST COAST OF HONSHU, JAPAN
21	13	38	36.9?	36.08	N	141.29	E	33	N		1.0	6	NEAR EAST COAST OF HONSHU, JAPAN
21	13	45	08.0?	3.91	S	104.06	W	10	G	4.6 4.5	1.1	20	CENTRAL EAST PACIFIC RISE
21	13	53	19.9	42.634	N	145.119	E	33	N		0.8	11	HOKKAIDO, JAPAN REGION. Felt (II JMA) in eastern Hokkaido.
21	14	39	31.9*	45.489	N	14.445	E	10	G		0.9	5	NORTHWESTERN BALKAN REGION. ML 1.4 (LJU).
21	14	42	08.9*	18.790	S	169.432	E	242	*	4.3	1.3	21	VANUATU ISLANDS
21	16	10	53.3*	26.968	S	26.512	E	5	G	4.7	1.5	23	REPUBLIC OF SOUTH AFRICA
21	17	01	42.8&	35.301	S	71.380	W	107				12	CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
21	17	27	03.1&	44.821	N	148.188	E	100	G		0.9	6	KURIL ISLANDS
21	17	42	19.4&	16.886	N	100.196	W	0				6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).
21	18	14	41.4*	3.581	S	130.682	E	33	N	3.7	1.5	13	SERAM, INDONESIA
21	18	43	26.7	51.702	N	175.079	E	33	N	4.9 4.7	1.0	149	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:43:25.0; Lat 51.77 N; Lon 175.33 E; Dep 15.0 Bdy; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.08, Plg=54, Azm=347; (N) Val=0.09, Plg=1, Azm=79; (P Val=-1.17, Plg=36, Azm=169; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=265, Dip=9, Slip=96; NP2: Strike=78, Dip=81, Slip=89.
21	18	55	45.7	36.254	N	137.746	E	10	G	4.4	1.2	21	EASTERN HONSHU, JAPAN. Felt (IV JMA) at Kamikochi. Felt (II JMA) in central Nagano and (I JMA) in parts of Gifu, Niigata and Toyama Prefectures.
21	18	58	37.2*	51.751	N	175.030	E	33	N	4.9	1.2	26	RAT ISLANDS, ALEUTIAN ISLANDS
21	19	09	33.9&	36.540	N	4.470	W	16				11	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.1 (MDD).
21	19	48	24.4*	36.627	N	137.678	E	10	G		0.1	5	EASTERN HONSHU, JAPAN. Felt (III JMA) at Kamikochi.
21	20	32	19.1*	7.000	S	129.078	E	150	G	3.8	1.0	17	BANDA SEA
21	21	56	43.3&	47.452	N	120.146	W	1				8	WASHINGTON. <SEA-P>. MD 2.6 (SEA).
21	23	11	47.5&	58.515	N	150.666	W	69				22	GULF OF ALASKA. <AEIC>. ML 3.1 (AEIC), 3.3 (PMR).
21	23	21	31.5*	39.408	S	177.626	E	33	N		0.7	13	OFF E. COAST OF N. ISLAND, N.Z. ML 4.1 (WEL).
21	23	34	53.1*	54.962	N	159.316	E	202	*	3.7	1.5	13	NEAR EAST COAST OF KAMCHATKA
21	23	45	42.8?	16.99	S	174.39	E	33	N	4.3	1.2	7	FIJI ISLANDS REGION
21	23	56	14.8&	19.994	N	99.386	W	42				7	CENTRAL MEXICO. <UNM>. MD 3.0 (UNM).
21	23	59	12.7*	17.997	S	167.435	E	33	N		1.2	6	VANUATU ISLANDS
22	00	27	29.2*	0.913	N	79.199	W	33	N	4.3	1.0	21	NEAR COAST OF ECUADOR
22	00	30	39.5*	12.874	N	143.556	E	134	*	4.3	0.8	15	SOUTH OF MARIANA ISLANDS
22	00	40	32.2	48.336	N	9.072	E	10	G		0.8	11	GERMANY. ML 2.4 (LDG), 2.2 (STR), 2.0 (FUR).
22	00	44	57.6&	32.136	S	71.060	W	21				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
22	00	58	57.1&	35.943	N	117.329	W	1				31	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
22	02	01	25.8?	30.91	S	70.76	W	100	G		0.6	13	CHILE-ARGENTINA BORDER REGION. MD 3.4 (GUC).
22	02	05	11.6&	60.552	N	148.889	W	21				40	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.2 (AEIC).

22	03	27	08.7&	63.215	N	150.636	W	130		4.0		42	CENTRAL ALASKA. <AEIC>.
22	05	00	22.2*	49.958	N	77.687	E	33	N	3.8	1.1	12	EASTERN KAZAKHSTAN
22	05	25	34.1*	20.759	S	69.036	W	125	?		1.3	8	NORTHERN CHILE
22	05	38	54.4*	9.366	S	119.143	E	33	N		0.9	5	SUMBA REGION, INDONESIA
22	05	57	17.8&	34.010	S	71.383	W	48				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.9 (GUC).
22	06	11	42.5&	32.378	S	71.380	W	35				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
22	06	26	43.7&	37.617	N	118.812	W	5				12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM).
22	06	40	56.0&	16.271	N	61.164	W	21				11	LEEWARD ISLANDS. <FDF>. ML 3.6 (FDF).
22	06	43	04.4*	25.524	N	129.286	E	33	N	4.4	1.3	15	SOUTHEAST OF RYUKYU ISLANDS
22	07	12	42.0&	59.030	N	137.190	W	0	G			.18	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.5 (PGC), 3.2 (AEIC).
22	07	29	31.3*	21.111	S	178.920	W	600	G	4.1	1.2	23	FIJI ISLANDS REGION
22	07	30	57.1?	6.58	S	147.53	E	72	*	3.9	1.1	17	EASTERN NEW GUINEA REG., P.N.G.
22	07	58	10.9&	31.582	S	69.990	W	161				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.6 (GUC).
22	08	00	40.2*	25.474	N	129.071	E	33	N	3.9	0.9	11	SOUTHEAST OF RYUKYU ISLANDS
22	08	46	12.5&	59.842	N	153.292	W	127				26	SOUTHERN ALASKA. <AEIC>.
22	09	33	30.7	21.066	S	178.841	W	562	*	4.5	0.9	95	FIJI ISLANDS REGION
22	09	46	18.3&	37.833	N	29.211	E	10	G			6	TURKEY. <ISK>. MD 3.0 (ISK).
22	09	50	21.4&	60.937	N	147.683	W	20				36	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
22	11	09	46.9	3.062	S	142.036	E	20		5.4 5.4	1.0	143	NEAR N COAST OF NEW GUINEA, PNG. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:09:52.2; Lat 2.85 S; Lon 142.28 E; Dep 23.9; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.15, Plg=44, Azm=315; (N) Val=0.17, Plg=37, Azm=179; (P) Val=-3.31, Plg=24, Azm=70; Best double couple: Mo=3.2*10**17 Nm; NP1: Strike=113, Dip=39, Slip=19; NP2: Strike=8, Dip=78, Slip=128.
22	11	22	59.2&	17.046	N	99.404	W	65				7	GUERRERO, MEXICO. <UNM>. MD 3.8 (UNM).
22	11	26	27.0	8.731	S	120.498	E	139	*	4.6	1.4	32	FLORES REGION, INDONESIA
22	11	57	37.2?	40.94	N	20.17	E	10	G		1.2	10	GREECE-ALBANIA BORDER REGION. ML 2.7 (PDG).
22	12	09	23.8	56.510	N	164.060	E	33	N	4.4	1.0	38	KOMANDORSKY ISLANDS REGION
22	12	15	10.2&	33.002	S	71.074	W	61				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.1 (GUC).
22	12	32	27.9	18.655	N	146.428	E	57	*	5.0 5.1	1.0	123	MARIANA ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:32:31.0; Lat 18.55 N; Lon 146.95 E; Dep 30.0 Bdy; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.74, Plg=75, Azm=324; (N) Val=-0.08, Plg=9, Azm=195; (P) Val=-1.65, Plg=11, Azm=103; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=181, Dip=35, Slip=73; NP2: Strike=21, Dip=57, Slip=101.
22	13	34	26.7*	6.078	N	126.940	E	33	N	4.4	1.1	16	MINDANAO, PHILIPPINE ISLANDS
22	13	51	53.1&	59.751	N	152.947	W	103		4.5		92	SOUTHERN ALASKA. <AEIC>.
22	14	40	59.5&	35.298	N	78.424	E	33	N		1.1	7	EASTERN KASHMIR
22	14	41	04.5&	47.500	N	4.000	W	19				22	FRANCE. <LDG>. ML 3.6 (LDG).
22	15	11	27.5&	44.757	N	7.446	E	31				9	NORTHERN ITALY. <GEN>. ML 2.2 (GEN).
22	15	41	31.3&	44.480	N	7.251	E	14				5	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
22	16	20	52.2*	51.570	N	16.047	E	5	G		0.8	11	POLAND. ML 3.1 (VIE), 3.0 (WAR).
22	17	13	08.1&	36.773	N	121.477	W	7				9	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).
22	17	52	56.5&	61.482	N	149.953	W	33				38	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.2 (PMR).
22	19	06	41.1&	33.159	S	70.236	W	7				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
22	19	20	28.2*	55.163	N	162.122	E	33	N	4.0	1.4	12	NEAR EAST COAST OF KAMCHATKA
22	20	03	31.5&	34.455	S	70.732	W	103				12	CHILE-ARGENTINA BORDER REGION. <GUC>.
22	20	05	42.8&	34.839	S	71.016	W	85				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
22	20	29	17.7&	55.379	N	164.282	W	54				9	UNIMAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
22	20	35	07.7	51.568	N	16.233	E	5	G		0.4	14	POLAND. ML 3.4 (GRF), 3.2 (WAR), 3.1 (VIE).
22	20	44	05.0&	37.330	N	5.530	W	15				11	SPAIN. <MDD>. mbLg 2.2 (MDD).
22	21	11	53.5	52.430	N	167.640	W	66	*	4.6	1.2	30	FOX ISLANDS, ALEUTIAN ISLANDS
22	21	20	21.8&	59.652	N	153.093	W	109				34	SOUTHERN ALASKA. <AEIC>.
22	21	35	12.6&	54.116	N	164.005	W	57				10	UNIMAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
22	21	44	51.8&	39.240	N	0.250	W	15				10	SPAIN. <MDD>. mbLg 2.1 (MDD).
22	22	58	28.4	15.577	N	119.400	E	33	N	5.0 4.7	1.1	67	LUZON, PHILIPPINE ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:58:28.5; Lat 15.81 N; Lon 119.22 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.48, Plg=69, Azm=114; (N) Val=-0.09, Plg=6, Azm=8; (P) Val=-1.39, Plg=20, Azm=275; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=355, Dip=25, Slip=76; NP2: Strike=190, Dip=65, Slip=97.
22	23	20	28.7	36.281	N	113.984	W	5	G		0.8	10	WESTERN ARIZONA. ML 3.3 (GS).
22	23	25	50.7&	45.044	N	7.107	E	15				19	NORTHERN ITALY. <GEN>. ML 2.2 (GEN), 2.2 (LDG).
22	23	28	23.0*	3.010	S	142.204	E	10	G	3.7	1.3	13	NEAR N COAST OF NEW GUINEA, PNG.
22	23	58	28.5*	20.779	S	178.619	W	600	G	4.3	0.8	23	FIJI ISLANDS REGION
23	00	14	43.5&	38.830	N	0.740	W	15				9	SPAIN. <MDD>. mbLg 2.1 (MDD).
23	00	22	19.9&	34.230	S	70.628	W	101				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
23	00	32	54.6	4.694	N	124.651	E	47		5.0 4.4	1.2	75	CELEBES SEA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:32:57.1; Lat 4.85 N; Lon 124.50 E; Dep 36.8; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.31, Plg=63, Azm=210; (N) Val=-0.01, Plg=20, Azm=346; (P) Val=-1.30, Plg=17, Azm=83; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=201, Dip=33, Slip=129; NP2: Strike=336, Dip=65, Slip=67.
23	00	49	41.6?	51.61	N	159.22	E	33	N	4.2	1.1	10	OFF EAST COAST OF KAMCHATKA
23	01	18	32.6&	7.401	N	80.354	W	0				4	PANAMA. <UPA>. MD 3.6 (UPA).
23	02	11	51.7	32.638	S	71.436	W	33	N		0.7	17	NEAR COAST OF CENTRAL CHILE. MD 4.6 (GUC). Felt (III) at Papudo, Quintero, Vina del Mar and Zapallar; (II) at San Felipe and Valparaiso.
23	04	01	20.7&	35.674	S	71.517	W	117				12	CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
23	04	47	24.4&	34.184	S	70.207	W	11				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
23	04	55	43.2&	44.814	N	6.562	E	4				17	FRANCE. <GEN>. ML 2.2 (GEN), 2.2 (LDG).
23	04	58	48.9&	32.736	S	71.996	W	36				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
23	05	22	03.2	53.772	N	169.313	E	33	N	4.2	0.7	23	KOMANDORSKY ISLANDS REGION
23	05	36	12.9	14.697	N	120.046	E	70	D	6.1	0.9	391	LUZON, PHILIPPINE ISLANDS. Mw 6.1 (GS), 6.0 (HRV). Me 5.9 (GS). Felt (VI RF) at Subic; (V RF) at Antipolo, Manila and

													Rizal; (IV RF) at Bulacan, Dagupan, Malolos and Quezon; (III RF) at Buco, Puerto Galera and Tagaytay; (II RF) at Baguio. Broadband Source Parameters (GS): Dep 30; NP1: Strike=5, Dip=60, Slip=90; NP2: Strike=185, Dip=30, Slip=90; Radiated energy 1.5*10**13 Nm. Moment Tensor (GS): Dep 38; Principal axes (scale 10**18 Nm): (T) Val=1.38, Plg=72, Azm=268; (N) Val=-0.03, Plg=1, Azm=1; (P) Val=-1.35, Plg=18, Azm=91; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=183, Dip=27, Slip=92; NP2: Strike=1, Dip=63, Slip=89. Centroid, Moment Tensor (HRV): Centroid origin time 05:36:12.1; Lat 14.69 N; Lon 119.88 E; Dep 44.6; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=1.16, Plg=78, Azm=284; (N) Val=-0.04, Plg=6, Azm=166; (P) Val=-1.13, Plg=10, Azm=75; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=158, Dip=35, Slip=80; NP2: Strike=350, Dip=56, Slip=97.
23	05	37	28.6&	44.160	N	7.838	E	8				23	NORTHERN ITALY. <GEN>. ML 2.5 (LDG), 2.4 (GEN), 2.1 (STR).
23	06	00	27.2&	62.903	N	151.178	W	127		3.4		48	CENTRAL ALASKA. <AEIC>.
23	06	54	05.1*	9.483	S	124.443	E	33	N	4.4	0.8	7	TIMOR REGION, INDONESIA
23	07	17	32.7?	63.07	S	162.59	E	10	G	4.6	1.5	12	BALLENY ISLANDS REGION
23	08	17	56.6*	41.501	N	50.611	E	73	D	4.4	1.3	26	CASPIAN SEA
23	08	34	31.1	45.996	N	10.613	E	10	G		1.1	22	NORTHERN ITALY. ML 2.6 (VIE), 2.5 (LDG).
23	09	18	14.5&	32.378	S	71.339	W	45				18	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC).
23	09	31	30.9&	36.630	S	71.376	W	184				11	CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
23	09	51	56.0&	9.146	N	78.360	W	50				4	PANAMA. <UPA>. MD 3.2 (UPA).
23	09	59	02.9*	72.826	N	129.583	E	10	G	4.5	1.3	14	NORTHCENTRAL SIBERIA, RUSSIA
23	10	30	54.3&	43.100	N	0.700	W	2				8	PYRENEES. <LDG>. ML 2.7 (STR), 2.1 (LDG).
23	10	59	08.0*	0.570	N	127.024	E	60	*	4.7	0.9	14	HALMAHERA, INDONESIA
23	11	13	16.9&	37.190	N	5.380	W	24				6	SPAIN. <MDD>. mbLg 1.8 (MDD).
23	12	04	15.4*	81.944	N	118.630	E	10	G	4.2	1.2	21	EAST OF SEVERNAYA ZEMLYA, RUSSIA
23	12	07	44.0*	1.496	N	126.145	E	33	N	4.5	1.2	13	NORTHERN MOLUCCA SEA
23	12	18	40.4&	34.222	S	70.105	W	5				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
23	12	21	16.2	16.322	N	98.675	W	33	N	4.7	4.3 1.0	67	NEAR COAST OF GUERRERO, MEXICO. MD 4.7 (UNM).
23	12	36	56.8*	8.616	N	74.455	W	33	N	4.1	1.0	12	NORTHERN COLOMBIA. MD 4.5 (UPA).
23	12	50	41.0&	39.920	N	120.900	W	3				17	NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM), 3.2 (REN). ML 3.5 (BRK). Felt at Quincy.
23	13	13	12.2*	65.422	N	163.904	W	10	G	3.4	1.5	12	NORTHERN ALASKA
23	13	19	26.7&	33.415	S	70.516	W	93				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
23	13	57	15.3	11.663	N	88.038	W	55		5.7	6.3 1.0	449	OFF COAST OF CENTRAL AMERICA. Mw 6.7 (GS), 6.7 (HRV). Me 6.6 (GS). Ms 6.2 (BRK). Felt at Managua and along the Pacific coast of Nicaragua. Broadband Source Parameters (GS): Dep 12; NP1: Strike=327, Dip=72, Slip=-70; NP2: Strike=97, Dip=27, Slip=-136; Radiated energy 1.8*10**14 Nm. Moment Tensor (GS): Dep 9; Principal axes (scale 10**19 Nm): (T) Val=1.20, Plg=15, Azm=12; (N) Val=-0.02, Plg=37, Azm=114; (P) Val=-1.18, Plg=49, Azm=264; Best double couple: Mo=1.2*10**19 Nm; NP1: Strike=63, Dip=44, Slip=-149; NP2: Strike=310, Dip=69, Slip=-50. Centroid, Moment Tensor (HRV): Centroid origin time 13:57:16.6; Lat 11.58 N; Lon 88.55 W; Dep 15.0 Fix; Half-duration 5.1 sec; Principal axes (scale 10**19 Nm): (T) Val=1.22, Plg=1, Azm=41; (N) Val=0.02, Plg=11, Azm=131; (P) Val=-1.24, Plg=79, Azm=305; Best double couple: Mo=1.2*10**19 Nm; NP1: Strike=120, Dip=45, Slip=-106; NP2: Strike=322, Dip=47, Slip=-74.
23	14	01	11.3	51.515	N	175.345	E	33	N	5.3	1.0	107	RAT ISLANDS, ALEUTIAN ISLANDS
23	15	13	59.2*	11.460	N	88.219	W	33	N	4.2	0.9	11	OFF COAST OF CENTRAL AMERICA
23	15	30	19.9	4.908	S	144.060	E	94	*	3.3	1.2	15	NEAR N COAST OF NEW GUINEA, PNG.
23	15	42	23.7&	34.099	N	116.953	W	10				29	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt in the San Bernardino-Yucaipa area.
23	15	57	03.1&	34.111	N	116.926	W	5				8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
23	16	06	03.2*	17.311	S	69.066	W	146	*	3.9	0.9	8	PERU-BOLIVIA BORDER REGION
23	16	08	34.0*	3.556	N	126.568	E	49	*	4.3	0.9	17	TALAUD ISLANDS, INDONESIA
23	18	01	53.7*	28.147	N	142.868	E	10	G	4.7	4.0 1.4	31	BONIN ISLANDS REGION
23	18	13	12.5	43.854	N	111.013	W	5	G		0.5	20	EASTERN IDAHO. ML 3.2 (GS).
23	18	16	16.3	43.842	N	111.025	W	5	G	4.2	0.8	47	EASTERN IDAHO. ML 4.2 (GS), 4.0 (BUT). Felt in the Teton Valley. Also felt in Grand Teton National Park, Wyoming.
23	18	22	18.2	31.969	S	69.863	W	121	D	4.6	0.9	85	SAN JUAN PROVINCE, ARGENTINA. MD 4.9 (GUC).
23	18	28	51.3&	8.575	N	82.796	W	0	G			5	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.7 (UPA).
23	19	10	29.0	52.785	N	176.314	W	210		4.6	0.9	72	ANDREANOF ISLANDS, ALEUTIAN IS.
23	19	36	01.4	24.313	N	141.879	E	179	?	4.3	1.1	37	VOLCANO ISLANDS REGION
23	19	46	52.4&	62.112	N	147.748	W	36				28	CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.3 (PMR).
23	19	59	32.6&	32.715	S	72.384	W	27				9	OFF COAST OF CENTRAL CHILE. <GUC>.
23	21	23	09.3&	42.509	N	19.062	E	16				6	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.4 (PDG).
23	21	45	31.0&	32.304	S	71.349	W	46				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
23	21	55	07.0&	36.169	N	120.274	W	16				7	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM). ML 2.8 (PAS).
23	22	39	58.2	45.043	N	9.183	E	10	G		1.0	54	NORTHERN ITALY. ML 2.9 (LDG), 2.9 (STR).
23	22	48	23.6*	34.741	N	25.798	E	33	N		0.7	14	CRETE
23	23	30	10.3&	32.590	S	71.703	W	18				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
23	23	35	06.3&	59.563	N	153.458	W	121				41	SOUTHERN ALASKA. <AEIC>.
24	00	42	01.4&	36.620	N	4.510	W	87				13	STRAIT OF GIBRALTAR. <MDD>.
24	00	57	22.1*	34.184	N	139.156	E	43	*	4.3	1.0	16	NEAR S. COAST OF HONSHU, JAPAN
24	01	15	54.3?	17.57	S	179.52	W	550	G	4.7	1.1	21	FIJI ISLANDS REGION
24	01	31	54.6&	36.764	N	35.475	E	10	G			7	TURKEY. <ISK>. MD 3.3 (ISK).
24	01	35	56.7	17.989	S	178.449	W	561	D	4.9	1.0	193	FIJI ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:36:02.8; Lat 17.96 S; Lon 178.27 W; Dep 583.7; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.03, Plg=30, Azm=77; (N) Val=0.10, Plg=21, Azm=180; (P) Val=-1.13, Plg=52, Azm=300; Best double couple:

														Mo=1.1*10**17 Nm; NP1: Strike=121, Dip=25, Slip=-151; NP2: Strike=5, Dip=78, Slip=-68.
24	01	48	07.3?	30.68	S	71.80	W	33	N			0.3	13	NEAR COAST OF CENTRAL CHILE. MD 4.2 (GUC).
24	02	00	37.4&	36.836	N	35.447	E	10	G	4.1			47	TURKEY. <ISK>. MD 4.1 (ISK).
24	02	06	31.3&	36.820	N	35.412	E	10	G				12	TURKEY. <ISK>. MD 3.6 (ISK).
24	02	18	34.7*	34.177	N	139.180	E	33	N	4.1		1.2	14	NEAR S. COAST OF HONSHU, JAPAN
24	02	45	34.2	31.892	S	69.448	W	115	D	5.0		1.0	121	SAN JUAN PROVINCE, ARGENTINA. Mw 5.1 (HRV). MD 5.3 (GUC). Centroid, Moment Tensor (HRV): Centroid origin time 02:45:31.3; Lat 32.84 S; Lon 69.32 W; Dep 115.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.69, Plg=16, Azm=24; (N) Val=-0.24, Plg=8, Azm=116; (P) Val=-5.45, Plg=72, Azm=231; Best double couple: Mo=5.6*10**16 Nm; NP1: Strike=102, Dip=29, Slip=-106; NP2: Strike=300, Dip=62, Slip=-81.
24	03	42	30.5?	72.18	N	2.07	E	10	G	4.1		1.5	5	NORWEGIAN SEA
24	04	00	45.9&	34.513	S	72.145	W	32					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
24	04	06	11.4&	7.093	N	82.326	W	37					5	SOUTH OF PANAMA. <UPA>. MD 3.8 (UPA).
24	04	10	51.5	3.655	N	126.566	E	33	N	4.7	4.0	1.0	27	TALAUD ISLANDS, INDONESIA
24	04	34	13.3?	31.64	S	67.83	W	100	G			0.8	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (GUC).
24	04	56	16.4	4.449	S	102.597	E	34	D	5.2		1.0	68	SOUTHERN SUMATERA, INDONESIA. Felt (III) at Kepahiang and Liwa.
24	06	24	30.0&	41.189	N	20.418	E	8					12	ALBANIA. <PDG>. ML 3.2 (PDG).
24	06	30	08.3&	37.494	N	118.840	W	9					8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK).
24	07	10	43.7&	32.712	S	69.981	W	116					9	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.0 (GUC).
24	07	20	51.5?	11.48	S	118.53	E	33	N	3.8		0.9	6	SOUTH OF SUMBAWA, INDONESIA
24	07	32	21.5*	30.001	N	87.919	E	33	N			1.0	9	XIZANG
24	07	43	22.2	1.389	N	120.840	E	33	N	4.5		1.1	15	MINAHASSA PENINSULA, SULAWESI
24	08	04	59.2&	61.384	N	152.210	W	134		2.9			52	SOUTHERN ALASKA. <AEIC>.
24	08	11	25.0&	44.017	N	8.453	E	0					7	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
24	08	24	28.5*	51.409	N	16.208	E	5	G			0.6	5	POLAND. ML 3.2 (VIE), 2.9 (WAR).
24	08	25	07.0&	34.398	S	70.441	W	122					8	CHILE-ARGENTINA BORDER REGION. <GUC>.
24	08	46	23.4	31.574	S	67.060	W	132	D	4.6		0.9	70	SAN JUAN PROVINCE, ARGENTINA. MD 4.7 (GUC).
24	09	05	58.2&	33.621	S	71.701	W	35					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
24	09	21	44.2*	35.960	N	70.478	E	126	D	4.3		1.0	11	HINDU KUSH REGION, AFGHANISTAN
24	09	25	37.8&	33.685	S	70.983	W	69					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
24	09	35	55.1&	45.200	N	6.500	E	2					5	FRANCE. <LDG>. ML 2.0 (LDG).
24	09	40	05.0	11.489	N	87.917	W	46	*	4.4		1.1	53	NEAR COAST OF NICARAGUA. MD 4.7 (SJR).
24	10	02	22.5*	23.566	S	179.899	W	490	?	4.4		1.1	27	SOUTH OF FIJI ISLANDS
24	11	32	32.2*	36.511	N	9.963	W	100	G			0.6	19	WEST OF GIBRALTAR
24	11	34	08.5&	38.096	S	176.403	E	200	G			0.3	12	NORTH ISLAND, NEW ZEALAND
24	11	45	36.5&	59.343	N	153.021	W	92					45	SOUTHERN ALASKA. <AEIC>.
24	12	00	12.1?	5.49	S	147.19	E	187	*	3.9		1.0	10	EASTERN NEW GUINEA REG., P.N.G.
24	12	11	55.7&	53.291	N	163.428	W	35		4.1			30	UNIMAK ISLAND REGION. <AEIC>. ML 4.0 (AEIC).
24	12	12	09.5	13.791	S	34.729	E	46	D	4.8		1.0	46	MALAWI
24	14	19	56.5	37.728	N	141.954	E	58	D	4.3		1.1	28	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in northern Fukushima and (I JMA) in southern Iwate, eastern Fukushima and Miyagi Prefectures.
24	17	05	39.1	53.818	N	169.542	W	182		4.7		0.9	150	FOX ISLANDS, ALEUTIAN ISLANDS
24	17	37	23.4&	41.910	N	19.216	E	8					11	ALBANIA. <PDG>. ML 2.7 (PDG).
24	18	31	26.6*	52.108	N	173.905	W	33	N	3.9		0.9	5	ANDREANOF ISLANDS, ALEUTIAN IS.
24	19	16	01.8&	37.599	N	118.811	W	5					9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK).
24	19	46	33.6?	51.70	N	176.50	W	61	*	4.3		1.5	12	ANDREANOF ISLANDS, ALEUTIAN IS.
24	19	53	38.9	17.128	N	99.838	W	33	N			0.8	15	GUERRERO, MEXICO. MD 4.3 (UNM).
24	19	58	23.3?	51.03	N	177.21	W	33	N			1.2	6	ANDREANOF ISLANDS, ALEUTIAN IS.
24	20	50	27.8*	39.626	N	20.514	E	33	N	3.5		1.5	33	GREECE-ALBANIA BORDER REGION. ML 3.5 (PDG).
24	21	10	30.3&	9.056	N	79.618	W	0	G				4	PANAMA. <UPA>. MD 3.2 (UPA).
24	21	39	40.7&	37.050	N	5.280	W	7					11	SPAIN. <MDD>. mbLg 2.5 (MDD).
24	22	22	08.9&	38.885	N	29.239	E	8					10	TURKEY. <ISK>. MD 3.0 (ISK).
24	22	36	45.0&	37.050	N	5.270	W	3					10	SPAIN. <MDD>. mbLg 2.5 (MDD).
24	22	37	25.9&	33.795	S	70.860	W	74					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
24	22	44	33.1&	40.603	N	28.978	E	12					6	TURKEY. <ISK>. MD 2.7 (ISK).
24	23	00	41.2&	32.486	S	69.970	W	131					8	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.0 (GUC).
24	23	11	41.5	45.969	N	10.688	E	5	G			0.9	29	NORTHERN ITALY. ML 3.0 (STR), 2.8 (VIE), 2.7 (LDG).
24	23	37	01.4&	59.308	N	153.687	W	98					53	SOUTHERN ALASKA. <AEIC>.
25	00	16	16.8	48.683	N	7.901	E	10	G			0.8	18	FRANCE. ML 2.4 (LDG).
25	00	34	48.5	43.381	N	126.829	W	10	G	3.8		0.6	61	OFF COAST OF OREGON
25	01	28	57.0&	40.330	N	124.890	W	18					9	NEAR COAST OF NORTHERN CALIF. <GM-P>. ML 3.3 (GM), 3.5 (BRK).
25	02	49	34.1	24.599	N	122.557	E	33	N	4.3		1.2	15	TAIWAN REGION
25	03	05	31.5	42.876	N	12.968	E	10	G			0.7	14	CENTRAL ITALY. ML 3.1 (LDG).
25	03	31	30.0&	39.990	N	0.560	E	4					15	SPAIN. <MDD>. mbLg 2.9 (MDD). ML 2.6 (LDG).
25	05	28	00.0*	20.130	S	169.171	E	140	*	3.7		0.6	9	VANUATU ISLANDS
25	05	28	01.5&	44.814	N	6.636	E	8					5	FRANCE. <GEN>. ML 1.7 (GEN).
25	05	30	44.9&	42.500	N	19.069	E	17					6	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.3 (PDG).
25	05	42	50.6&	44.800	N	6.600	E	2					32	FRANCE. <LDG>. ML 2.5 (LDG), 2.5 (GEN), 2.4 (STR).
25	05	49	51.3*	13.265	N	88.611	W	200	G	4.2		0.9	11	EL SALVADOR
25	07	41	40.1	30.079	N	88.109	E	33	N	5.3	5.5	1.0	201	XIZANG. Mw 5.9 (HRV), 5.7 (GS). Felt at Qajortebu and Xigaze. Moment Tensor (GS): Dep 11; Principal axes (scale 10**17 Nm): (T) Val=3.80, Plg=12, Azm=88; (N) Val=-0.23, Plg=33, Azm=185; (P) Val=-3.57, Plg=55, Azm=341; Best double couple: Mo=3.7*10**17 Nm; NP1: Strike=144, Dip=44, Slip=-141; NP2: Strike=24, Dip=64, Slip=-53. Centroid, Moment Tensor (HRV): Centroid origin time 07:41:52.6; Lat 29.86 N; Lon 88.31 E; Dep 15.0 Fix; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=7.05, Plg=1, Azm=268; (N) Val=-0.49, Plg=16, Azm=177; (P) Val=-6.56, Plg=74, Azm=1; Best double couple: Mo=6.8*10**17 Nm; NP1: Strike=14, Dip=46, Slip=-67; NP2: Strike=162, Dip=48, Slip=-112.
25	07	59	00.7	30.024	N	88.188	E	33	N	4.6		0.9	35	XIZANG
25	08	01	07.3	44.938	N	18.446	E	10	G			0.5	40	NORTHWESTERN BALKAN REGION. ML 3.7 (PDG), 3.1 (LJU).
25	08	01	45.6*	30.061	N	88.172	E	33	N	4.1		0.6	8	XIZANG

25	08	06	21.7?	6.72	N	73.00	W	175	*		0.8	9	NORTHERN COLOMBIA
25	08	13	04.5?	30.17	N	88.13	E	33	N	3.9	1.4	8	XIZANG
25	08	32	33.2	9.202	S	117.029	E	55	*	4.4	1.2	34	SUMBAWA REGION, INDONESIA
25	08	48	41.5&	44.165	N	148.177	E	33	N		1.0	11	KURIL ISLANDS
25	08	55	24.3&	44.410	N	7.269	E	6				8	NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
25	09	43	06.0*	29.998	N	88.099	E	33	N	4.1	0.6	9	XIZANG
25	09	43	38.0*	36.418	N	71.085	E	245	*	3.8	0.8	15	AFGHANISTAN-TAJIKISTAN BORD REG.
25	09	55	18.6*	0.440	N	129.208	E	33	N	3.7	0.8	10	HALMAHERA, INDONESIA
25	09	56	44.0	29.831	N	87.910	E	33	N	4.4	0.9	18	XIZANG
25	10	04	44.2&	60.214	N	141.071	W	7				19	SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.7 (PGC).
25	10	13	42.6?	52.32	N	176.69	W	47	?	3.6	1.6	6	ANDREANOF ISLANDS, ALEUTIAN IS.
25	10	24	26.8&	63.450	N	151.297	W	15				25	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.8 (PMR).
25	10	25	06.0	29.983	N	88.103	E	33	N	4.4	0.8	17	XIZANG
25	10	57	46.2&	38.056	N	27.129	E	7				13	TURKEY. <ISK>. MD 3.4 (ISK).
25	11	28	07.4*	5.517	S	147.121	E	187		4.1	1.1	16	EASTERN NEW GUINEA REG., P.N.G.
25	11	54	18.4*	14.221	N	146.847	E	23	D	3.7	0.8	14	MARIANA ISLANDS
25	12	29	45.1	30.022	N	88.060	E	33	N	4.6	1.0	31	XIZANG
25	12	37	12.8	2.976	S	142.277	E	10	G	4.4	0.9	12	NEAR N COAST OF NEW GUINEA, PNG.
25	12	43	04.3	29.961	N	88.091	E	33	N	4.4	1.1	28	XIZANG
25	13	07	46.9&	30.621	S	71.680	W	55				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
25	13	39	49.5*	29.926	N	88.124	E	33	N	3.8	0.9	10	XIZANG
25	13	50	06.1*	30.099	N	88.054	E	33	N	4.1	0.9	13	XIZANG
25	13	52	53.4*	21.888	S	68.808	E	10	G		0.9	8	MID-INDIAN RIDGE
25	14	11	53.3*	21.213	N	146.514	E	33	N	3.6	1.1	11	MARIANA ISLANDS REGION
25	14	20	43.4&	44.600	N	6.700	E	2				26	FRANCE. <LDG>. ML 2.4 (LDG), 2.4 (GEN), 2.4 (STR).
25	14	50	57.3*	55.731	S	27.714	W	100	G	4.7	1.1	10	SOUTH SANDWICH ISLANDS REGION
25	14	54	51.9	1.684	S	99.560	E	33	N	4.9	1.1	50	SOUTHERN SUMATERA, INDONESIA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:54:53.9; Lat 2.00 S; Lon 99.31 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.69, Plg=16, Azm=46; (N) Val=0.35, Plg=72, Azm=203; (P) Val=-5.04, Plg=6, Azm=314; Best double couple: Mo=4.9*10**16 Nm; NP1: Strike=89, Dip=74, Slip=173; NP2: Strike=181, Dip=83, Slip=16.
25	14	55	03.4*	12.335	N	143.948	E	72	*	4.7	1.1	25	SOUTH OF MARIANA ISLANDS
25	15	16	02.7	29.976	N	88.105	E	33	N	4.4	1.0	24	XIZANG
25	16	05	23.8&	64.698	N	149.264	W	17				19	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
25	16	39	21.3*	55.015	N	162.114	E	33	N	4.2	1.0	11	NEAR EAST COAST OF KAMCHATKA
25	16	59	53.0	32.238	S	67.631	W	33	N		0.9	15	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (GUC).
25	17	09	15.6&	37.000	N	5.450	W	0	G			11	SPAIN. <MDD>. mbLg 2.2 (MDD).
25	17	22	46.2&	59.731	N	151.916	W	54				28	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.6 (AEIC).
25	17	48	36.5&	33.733	S	70.395	W	111				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
25	18	43	48.3&	36.990	N	5.410	W	1				10	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
25	18	45	03.6?	8.30	S	108.97	W	10	G	4.7	1.0	15	CENTRAL EAST PACIFIC RISE
25	18	56	47.1&	60.126	N	153.207	W	134		3.7		37	SOUTHERN ALASKA. <AEIC>.
25	19	15	20.9?	8.94	S	109.41	W	10	G	4.5	1.2	13	CENTRAL EAST PACIFIC RISE
25	19	48	16.8*	55.063	N	161.553	E	100	G	4.3	0.9	10	NEAR EAST COAST OF KAMCHATKA
25	19	48	47.3*	20.214	S	68.287	W	150	G	4.3	1.3	26	CHILE-BOLIVIA BORDER REGION
25	20	07	46.6&	60.409	N	152.025	W	82				19	SOUTHERN ALASKA. <AEIC>.
25	21	10	28.3&	32.773	S	71.668	W	15				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
25	21	19	13.5&	42.509	N	19.060	E	15				8	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.5 (PDG).
25	21	28	43.4	35.740	N	0.841	W	10	G		0.8	21	NORTHERN ALGERIA. mbLg 2.5 (MDD).
25	21	44	01.5&	37.200	N	3.780	W	0	G			14	SPAIN. <MDD>. mbLg 2.1 (MDD).
25	21	50	29.0&	46.600	N	2.500	E	6				7	FRANCE. <LDG>. ML 1.7 (LDG).
25	21	51	34.8&	60.169	N	141.196	W	2				21	SOUTHEASTERN ALASKA. <AEIC>. ML 2.8 (AEIC), 2.7 (PGC).
25	21	52	11.3&	46.600	N	2.400	E	2				6	FRANCE. <LDG>. ML 1.4 (LDG).
25	22	01	54.0&	42.289	N	13.920	E	10				56	CENTRAL ITALY. <ROM>. ML 3.2 (LDG), 3.0 (ROM).
25	22	32	08.6&	30.771	S	71.672	W	62				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
25	22	35	04.7	42.153	N	13.828	E	10	G		0.8	26	CENTRAL ITALY. ML 2.9 (LDG).
25	22	48	01.8&	17.329	N	96.428	W	88				9	OAXACA, MEXICO. <UNM>. MD 3.9 (UNM).
25	22	48	50.5&	63.117	N	150.863	W	130				13	CENTRAL ALASKA. <AEIC>.
25	23	00	46.5?	6.00	S	147.32	E	100	G	4.0	1.3	12	EASTERN NEW GUINEA REG., P.N.G.
25	23	18	51.8*	2.006	N	126.605	E	33	N	4.3	0.7	8	NORTHERN MOLUCCA SEA
25	23	23	34.8	30.299	N	88.112	E	33	N	4.6	1.2	21	XIZANG
25	23	36	18.5	35.960	N	23.902	E	33	N	4.2	1.1	152	CRETE
25	23	44	26.9	28.609	N	128.721	E	121	D	5.0	1.1	96	RYUKYU ISLANDS
25	23	47	14.0&	7.944	N	82.766	W	10	G			6	SOUTH OF PANAMA. <UPA>. MD 3.8 (UPA).
26	00	21	02.1&	8.217	N	82.740	W	9				4	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.6 (UPA).
26	00	49	30.6	19.209	N	145.491	E	200	G	4.4	1.1	33	MARIANA ISLANDS
26	01	35	41.1&	44.100	N	6.270	E	10	G			32	FRANCE. <STR>. ML 2.1 (LDG), 1.9 (STR).
26	01	41	39.6&	43.090	N	0.430	W	10	G			7	PYRENEES. <STR>. ML 2.5 (STR), 2.5 (LDG). Felt (III) in the Ossau Valley, France.
26	01	54	19.1*	43.360	N	147.691	E	33	N	4.8	1.0	13	KURIL ISLANDS
26	02	04	48.3	2.944	S	142.226	E	33	N	4.8 4.2	1.0	52	NEAR N COAST OF NEW GUINEA, PNG.
26	02	08	35.2&	43.010	N	0.590	W	10	G			7	PYRENEES. <STR>. ML 2.8 (STR), 2.6 (LDG).
26	02	34	44.0&	67.160	N	143.000	W	0	G			3	NORTHERN ALASKA. <PGC-P>. ML 3.6 (PGC).
26	03	57	33.9&	36.580	N	4.440	W	94				12	STRAIT OF GIBRALTAR. <MDD>.
26	04	28	40.8&	18.980	N	66.920	W	38				7	PUERTO RICO REGION. <MPR>. MD 2.8 (MPR).
26	05	02	23.1&	35.054	S	71.149	W	101				11	CENTRAL CHILE. <GUC>. MD 2.8 (GUC).
26	05	20	48.7	5.453	S	151.720	E	56		5.0	0.8	56	NEW BRITAIN REGION, P.N.G. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:20:49.2; Lat 5.72 S; Lon 152.01 E; Dep 46.2; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.17, Plg=59, Azm=308; (N) Val=0.11, Plg=14, Azm=64; (P) Val=-1.28, Plg=27, Azm=161; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=281, Dip=22, Slip=130; NP2: Strike=59, Dip=73, Slip=75.
26	05	23	44.1	5.490	S	151.755	E	74	?	5.0	0.9	56	NEW BRITAIN REGION, P.N.G.
26	05	54	58.1*	13.064	N	143.933	E	155	*	4.1	1.2	15	SOUTH OF MARIANA ISLANDS
26	06	01	59.3*	6.143	S	152.435	E	33	N	4.2	0.7	7	NEW BRITAIN REGION, P.N.G.
26	07	43	28.7&	33.347	S	70.744	W	73				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
26	07	53	13.0*	5.484	S	152.001	E	64	*	4.0	1.0	13	NEW BRITAIN REGION, P.N.G.
26	08	05	20.9	20.710	S	178.014	W	500	G	4.1	0.9	26	FIJI ISLANDS REGION

26	08	06	26.4&	34.162	S	70.377	W	2				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
26	08	37	24.4*	2.525	S	138.809	E	33	N	3.9	1.2	15	IRIAN JAYA, INDONESIA
26	08	59	45.7&	32.664	S	71.668	W	27				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
26	10	16	31.0*	19.679	N	147.637	E	33	N	4.4	1.2	17	MARIANA ISLANDS REGION
26	10	41	13.7&	18.750	N	65.990	W	69				10	PUERTO RICO REGION. <MPR>. MD 3.6 (MPR).
26	12	42	49.5*	43.421	N	146.762	E	38	D	4.8	1.2	26	KURIL ISLANDS
26	12	44	35.1&	34.359	S	70.004	W	13				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
26	13	12	48.1&	39.308	N	122.769	W	12				9	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
26	13	53	47.1	8.689	S	118.592	E	153	*	4.1	1.3	18	SUMBAWA REGION, INDONESIA
26	14	35	13.0	6.246	S	155.113	E	163	*	4.4	0.8	30	SOLOMON ISLANDS
26	15	49	53.2*	5.718	S	152.369	E	33	N	4.5	1.0	12	NEW BRITAIN REGION, P.N.G.
26	15	50	15.0&	37.160	N	117.830	W	9				28	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. Mw 3.7 (BRK). MD 3.8 (REN). ML 4.0 (BRK), 4.0 (GS). Moment Tensor (BRK): Dep 5; Principal axes (scale 10**14 Nm): (T) Val=4.05, Plg=9, Azm=268; (N) Val=0.00, Plg=15, Azm=0; (P) Val=-4.05, Plg=73, Azm=147; Best double couple: Mo=4.1*10**14 Nm; NP1: Strike=190, Dip=56, Slip=-72; NP2: Strike=341, Dip=38, Slip=-114.
26	15	55	30.8&	59.497	N	150.088	W	11				36	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
26	16	22	30.4*	19.504	N	147.371	E	33	N	4.3	1.2	15	MARIANA ISLANDS REGION
26	17	05	50.1&	42.890	N	2.760	E	11				21	PYRENEES. <MDD>. ML 2.8 (LDG). mbLg 2.7 (MDD).
26	17	07	43.1&	54.440	N	161.733	W	15				18	ALASKA PENINSULA. <AEIC>. ML 3.6 (AEIC).
26	18	03	54.1&	36.610	N	5.440	W	0	G			7	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
26	19	00	22.6&	32.513	S	71.854	W	27				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
26	19	17	55.0&	42.511	N	19.068	E	13				7	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.1 (PDG).
26	19	19	49.8&	42.500	N	19.068	E	12				8	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.1 (PDG).
26	19	44	27.2%	19.689	N	147.380	E	33	N		1.3	9	MARIANA ISLANDS REGION
26	19	54	31.9&	42.510	N	19.059	E	16				8	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.7 (PDG).
26	20	46	37.0&	34.286	N	118.435	W	10				32	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt in the San Fernando Valley and as far as Pasadena.
26	21	16	58.0*	19.612	N	147.678	E	33	N		1.0	10	MARIANA ISLANDS REGION
26	21	50	04.3	43.859	N	110.996	W	5	G		0.7	24	WYOMING. ML 3.5 (GS), 3.8 (BUT).
26	21	51	10.3&	34.008	N	118.423	W	11				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt in the epicentral area.
26	22	59	40.0&	44.329	N	6.785	E	5				20	FRANCE. <GEN>. ML 2.3 (GEN), 1.9 (LDG).
27	00	06	54.4&	53.759	N	163.939	W	12		4.5		12	UNIMAK ISLAND REGION. <AEIC>. ML 3.7 (AEIC).
27	00	08	04.4*	46.594	N	149.826	E	150	G	4.3	1.1	34	KURIL ISLANDS
27	00	30	42.0	40.893	N	145.514	E	33	N	4.7	0.9	51	OFF EAST COAST OF HONSHU, JAPAN
27	01	54	14.1	26.589	N	141.908	E	33	N	4.9 4.3	0.8	70	BONIN ISLANDS REGION. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:54:16.6; Lat 26.38 N; Lon 142.05 E; Dep 48.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.06, Plg=34, Azm=0; (N) Val=1.21, Plg=18, Azm=257; (P) Val=-6.27, Plg=50, Azm=144; Best double couple: Mo=5.7*10**16 Nm; NP1: Strike=140, Dip=20, Slip=-25; NP2: Strike=254, Dip=81, Slip=-108.
27	02	06	02.5&	34.367	S	69.993	W	6				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
27	02	27	20.8&	33.918	S	71.090	W	66				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
27	02	54	35.0&	57.770	N	136.500	W	5	G			16	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.8 (PGC), 3.9 (AEIC).
27	03	10	03.9	51.117	N	176.210	W	33	N	4.5 4.2	1.0	57	ANDREANOF ISLANDS, ALEUTIAN IS.
27	03	10	17.8&	32.511	N	115.236	W	6	G			29	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.4 (PAS). MD 3.6 (ECX).
27	04	22	06.7&	43.700	N	7.700	E	2				6	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 1.8 (LDG).
27	04	30	17.7&	43.732	N	7.695	E	5				27	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.4 (GEN), 2.3 (LDG), 2.2 (STR).
27	05	29	23.7&	43.200	N	1.000	W	2				12	PYRENEES. <LDG>. mbLg 2.6 (MDD). ML 2.3 (LDG).
27	05	35	07.6&	61.594	N	150.374	W	45				19	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
27	05	49	26.5&	57.928	N	154.219	W	74				8	KODIAK ISLAND REGION. <AEIC>.
27	06	56	35.8&	58.945	N	151.660	W	59				19	KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
27	07	22	20.7*	7.431	S	127.818	E	100	G	4.3	1.4	17	BANDA SEA
27	07	45	17.9*	11.916	N	87.878	W	50	*	4.3	1.4	30	NEAR COAST OF NICARAGUA
27	07	47	14.4&	31.506	S	69.777	W	144				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.1 (GUC).
27	07	55	45.9*	5.797	S	147.150	E	117	*	4.1	1.4	23	EASTERN NEW GUINEA REG., P.N.G.
27	07	58	16.7?	30.81	S	71.75	W	33	N		0.4	14	NEAR COAST OF CENTRAL CHILE. MD 4.1 (GUC).
27	08	02	39.1	53.391	N	153.825	E	450	G	4.2	0.7	66	SEA OF OKHOTSK
27	08	38	58.2	39.712	N	77.035	E	33	N	4.6 4.3	1.2	32	SOUTHERN XINJIANG, CHINA
27	08	53	11.5*	39.730	N	76.901	E	33	N	4.2	1.2	12	SOUTHERN XINJIANG, CHINA
27	09	01	21.0*	39.759	N	77.176	E	33	N	4.4	1.2	23	SOUTHERN XINJIANG, CHINA
27	09	03	36.6	39.660	N	77.343	E	33	N	5.6 6.4	1.0	369	SOUTHERN XINJIANG, CHINA. Mw 6.4 (GS), 6.4 (HRV). Me 6.1 (GS). Ms 6.1 (BRK). At least 3 people killed, 7 injured, more than 3,600 houses destroyed, 18,771 damaged and 159 livestock killed in Jiashi County. Broadband Source Parameters (GS): Dep 17; NP1: Strike=60, Dip=80, Slip=5; NP2: Strike=329, Dip=85, Slip=170; Radiated energy 3.2*10**13 Nm. Moment Tensor (GS): Dep 15; Principal axes (scale 10**18 Nm): (T) Val=4.02, Plg=3, Azm=95; (N) Val=0.29, Plg=83, Azm=206; (P) Val=-4.30, Plg=7, Azm=5; Best double couple: Mo=4.2*10**18 Nm; NP1: Strike=140, Dip=83, Slip=-177; NP2: Strike=50, Dip=87, Slip=-7. Centroid, Moment Tensor (HRV): Centroid origin time 09:03:40.8; Lat 39.51 N; Lon 77.22 E; Dep 32.0 Fix; Half-duration 3.9 sec; Principal axes (scale 10**18 Nm): (T) Val=4.08, Plg=8, Azm=104; (N) Val=-0.37, Plg=78, Azm=331; (P) Val=-3.70, Plg=8, Azm=195; Best double couple: Mo=3.9*10**18 Nm; NP1: Strike=240, Dip=78, Slip=0; NP2: Strike=330, Dip=90, Slip=-168.
27	09	11	48.0	57.563	S	66.237	W	10	G	4.6 4.8	0.7	34	DRAKE PASSAGE
27	09	47	58.7*	39.470	N	77.266	E	33	N	4.0	1.1	11	SOUTHERN XINJIANG, CHINA
27	10	05	44.2*	20.219	S	66.793	W	235	*		1.0	6	SOUTHERN BOLIVIA
27	10	44	23.1?	7.03	N	73.09	W	144	?	4.0	1.2	21	NORTHERN COLOMBIA
27	10	53	53.3*	39.623	N	77.078	E	33	N	3.7	1.3	9	SOUTHERN XINJIANG, CHINA
27	11	15	39.9*	3.685	N	126.661	E	138	?	4.1	0.6	8	TALAUD ISLANDS, INDONESIA

27	11	15	54.9	39.387	N	76.969	E	33	N	4.7		0.8	42	SOUTHERN XINJIANG, CHINA
27	11	17	52.6&	53.681	N	166.188	W	77					9	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>.
27	11	57	38.8*	24.045	S	66.774	W	193	*			0.5	8	SALTA PROVINCE, ARGENTINA
27	12	29	06.1?	41.16	S	80.68	E	10	G	4.3		1.2	7	MID-INDIAN RIDGE
27	12	45	49.2?	3.31	S	101.16	E	33	N			1.1	8	SOUTHERN SUMATERA, INDONESIA
27	12	57	24.0*	39.683	N	76.832	E	33	N			1.5	11	SOUTHERN XINJIANG, CHINA
27	13	52	27.7&	34.067	S	70.094	W	7					8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
27	14	19	46.4*	51.574	N	16.022	E	5	G			0.6	12	POLAND. ML 3.5 (VIE), 3.0 (WAR).
27	14	30	09.9*	39.195	N	77.635	E	33	N	4.4		1.5	9	SOUTHERN XINJIANG, CHINA
27	14	31	07.7&	40.470	N	29.215	E	10	G				4	TURKEY. <ISK>. MD 2.6 (ISK).
27	15	00	34.2&	34.077	S	70.334	W	3					6	CHILE-ARGENTINA BORDER REGION. <GUC>.
27	16	07	01.3*	19.806	S	178.377	W	600	G	3.9		1.1	17	FIJI ISLANDS REGION
27	16	19	04.0?	30.77	N	98.87	E	33	N			0.9	8	XIZANG
27	16	51	45.8	19.274	N	108.446	W	10	G	5.0	4.7	1.1	109	REVILLA GIGEDO ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:51:51.3; Lat 19.33 N; Lon 108.45 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.41, Plg=14, Azm=76; (N) Val=-0.13, Plg=62, Azm=193; (P) Val=-1.29, Plg=24, Azm=340; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=120, Dip=63, Slip=-172; NP2: Strike=26, Dip=83, Slip=-28.
27	17	44	46.4&	43.000	N	1.600	W	2					4	PYRENEES. <LDG>. ML 2.7 (STR), 2.2 (LDG).
27	19	26	47.8	18.013	S	178.527	W	600	G	4.6		0.8	70	FIJI ISLANDS REGION
27	20	01	45.3*	6.336	S	148.506	E	75	*	4.0		0.6	13	NEW BRITAIN REGION, P.N.G.
27	21	23	52.1*	37.280	N	57.143	E	10	G	3.9		1.0	14	TURKMENISTAN-IRAN BORDER REGION
27	22	24	55.1?	14.04	S	167.12	E	150	G			0.7	6	VANUATU ISLANDS
27	22	46	55.2*	1.510	N	126.470	E	100	G	4.3		0.8	13	NORTHERN MOLUCCA SEA
27	23	06	06.4	51.149	N	176.130	W	33	N	4.6	4.7	0.9	85	ANDREANOF ISLANDS, ALEUTIAN IS.
27	23	45	01.2	5.378	N	126.194	E	138		4.8		1.1	44	MINDANAO, PHILIPPINE ISLANDS
28	00	28	20.1&	36.120	N	2.480	W	6					5	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
28	00	55	04.3&	39.764	N	29.056	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
28	00	57	30.1?	39.43	N	76.87	E	33	N	4.5		1.5	10	SOUTHERN XINJIANG, CHINA
28	01	36	41.4&	34.103	S	70.435	W	5					5	CHILE-ARGENTINA BORDER REGION. <GUC>.
28	01	51	36.9&	32.496	S	70.210	W	109					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
28	02	18	57.3*	32.475	S	71.850	W	10	G			1.5	20	NEAR COAST OF CENTRAL CHILE. MD 4.4 (GUC).
28	02	20	01.3*	2.589	N	101.225	W	10	G	4.4	4.0	1.2	23	EAST CENTRAL PACIFIC OCEAN
28	02	27	30.4&	36.140	N	2.200	W	8					5	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.7 (MDD).
28	02	32	30.3&	32.467	S	71.856	W	15		4.7			20	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC).
28	02	35	30.6*	7.356	S	154.907	E	33	N	4.1		1.2	8	SOLOMON ISLANDS
28	02	54	16.0*	37.128	N	20.974	E	10	G			1.5	17	IONIAN SEA
28	03	01	49.3	39.044	N	22.431	E	33	N	3.8		0.9	27	GREECE. ML 3.9 (PDG). Felt in the Lamia area.
28	03	23	32.3*	51.371	N	16.211	E	5	G			1.0	6	POLAND
28	03	34	47.5	19.536	N	147.449	E	33	N	4.5		0.9	24	MARIANA ISLANDS REGION
28	04	10	14.7*	30.154	N	132.178	E	33	N	4.1		1.4	21	SOUTHEAST OF SHIKOKU, JAPAN
28	04	29	19.6	78.365	N	6.913	E	10	G	4.5		0.9	51	SVALBARD REGION
28	05	04	49.4*	51.015	N	176.266	W	33	N			1.2	6	ANDREANOF ISLANDS, ALEUTIAN IS.
28	05	26	25.3*	58.859	S	24.753	W	33	N	4.4		1.5	20	SOUTH SANDWICH ISLANDS REGION
28	06	11	13.2?	19.16	N	144.93	E	33	N	4.6		0.6	8	MARIANA ISLANDS
28	06	40	12.6&	41.907	S	173.514	E	33	N			1.0	12	SOUTH ISLAND, NEW ZEALAND. ML 4.3 (WEL). Felt at Wellington on the North Island.
28	07	18	56.4*	47.931	N	153.174	E	150	G	4.0		1.2	10	KURIL ISLANDS
28	07	23	33.4&	36.150	N	2.520	W	0	G				9	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.8 (MDD).
28	07	57	16.3	31.052	S	71.398	W	78		4.5		1.0	38	NEAR COAST OF CENTRAL CHILE. MD 4.6 (GUC).
28	08	18	41.1*	25.744	S	179.109	E	550	G	4.1		1.1	26	SOUTH OF FIJI ISLANDS
28	08	24	32.4*	19.481	S	168.964	E	41	D	4.1		1.5	24	VANUATU ISLANDS
28	08	44	52.3*	51.258	N	179.879	W	33	N	4.0		0.9	16	ANDREANOF ISLANDS, ALEUTIAN IS.
28	10	03	25.2*	48.698	N	10.145	E	5	G			0.3	7	GERMANY. ML 2.4 (STR), 2.3 (VIE).
28	10	12	31.4	51.135	N	176.145	W	33	N	4.5		1.0	34	ANDREANOF ISLANDS, ALEUTIAN IS.
28	10	18	52.8&	32.281	S	70.686	W	101					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
28	10	41	52.2&	37.391	N	16.516	E	10					25	IONIAN SEA. <ROM>. ML 3.5 (ROM).
28	11	04	06.6	18.385	N	66.463	W	89	D	4.3		1.0	49	PUERTO RICO REGION. MD 4.4 (MPR). Minor damage in the San Juan area. Felt (V) throughout Puerto Rico.
28	11	19	54.7*	51.725	N	175.110	E	33	N	4.5		1.0	16	RAT ISLANDS, ALEUTIAN ISLANDS
28	11	52	42.9&	31.249	S	71.743	W	26					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
28	12	08	55.6	18.155	N	68.257	W	83	D	4.5		0.8	34	MONA PASSAGE. MD 3.9 (MPR).
28	12	40	58.7	0.154	S	125.018	E	66	D	6.2		1.2	306	SOUTHERN MOLUCCA SEA. Mw 6.1 (GS), 6.1 (HRV). Me 6.1 (GS). Felt (IV) at Tondano and (III) at Bitung and Gorontalo, Indonesia. Broadband Source Parameters (GS): Dep 43; NP1: Strike=0, Dip=60, Slip=90; NP2: Strike=180, Dip=30, Slip=90; Radiated energy 3.6*10**13 Nm. Moment Tensor (GS): Dep 37; Principal axes (scale 10**18 Nm): (T) Val=1.81, Plg=58, Azm=319; (N) Val=0.00, Plg=27, Azm=175; (P) Val=-1.81, Plg=16, Azm=76; Best double couple: Mo=1.8*10**18 Nm; NP1: Strike=133, Dip=37, Slip=42; NP2: Strike=8, Dip=66, Slip=120. Centroid, Moment Tensor (HRV): Centroid origin time 12:41:02.0; Lat 0.12 S; Lon 125.46 E; Dep 45.0 Bdy; Half-duration 2.9 sec; Principal axes (scale 10**18 Nm): (T) Val=1.78, Plg=69, Azm=280; (N) Val=0.01, Plg=11, Azm=40; (P) Val=-1.79, Plg=18, Azm=133; Best double couple: Mo=1.8*10**18 Nm; NP1: Strike=240, Dip=29, Slip=113; NP2: Strike=34, Dip=63, Slip=78.
28	12	44	32.6&	17.417	N	95.042	W	175					6	OAXACA, MEXICO. <UNM>. MD 4.0 (UNM).
28	15	31	38.2	51.437	N	175.526	E	33	N	5.5	4.8	0.9	298	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.4 (HRV). ML 5.0 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 15:31:37.3; Lat 51.39 N; Lon 176.07 E; Dep 15.0 Bdy; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.46, Plg=57, Azm=37; (N) Val=-0.29, Plg=11, Azm=290; (P) Val=-1.17, Plg=30, Azm=193; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=252, Dip=18, Slip=51; NP2: Strike=112, Dip=76, Slip=101.
28	15	50	47.9	34.340	N	141.056	E	56	*	4.8		0.9	71	OFF EAST COAST OF HONSHU, JAPAN

28	16	28	30.2*	34.961	N	26.019	E	33	N			1.1	12	CRETE
28	16	33	36.4	51.510	N	175.490	E	33	N	4.8	4.5	1.0	87	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.9 (PMR).
28	16	34	26.6&	46.200	N	0.900	W	2					14	FRANCE. <LDG>. ML 2.4 (LDG).
28	17	29	38.5&	32.243	S	71.804	W	26					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
28	17	37	24.0?	43.23	N	127.27	W	10	G			0.4	26	OFF COAST OF OREGON
28	17	38	47.4&	61.320	N	149.774	W	42					29	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
28	19	20	49.7&	44.462	N	7.228	E	14					5	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
28	19	28	15.9?	17.58	S	179.13	W	550	G	4.1		0.9	19	FIJI ISLANDS REGION
28	20	18	52.6?	43.53	S	173.06	E	10	G			0.5	6	OFF E. COAST OF S. ISLAND, N.Z. ML 3.6 (WEL). Felt at Christchurch.
28	20	38	33.8%	36.892	N	35.614	E	10	G			0.7	5	TURKEY
28	20	51	15.9	39.656	N	77.014	E	33	N	4.4		1.0	19	SOUTHERN XINJIANG, CHINA
28	20	51	20.6&	44.570	N	6.850	E	10					54	FRANCE. <STR>. ML 2.9 (STR), 2.9 (GEN), 2.7 (LDG).
28	21	13	11.1&	44.363	N	6.940	E	5					4	FRANCE. <GEN>. ML 1.5 (GEN).
28	21	30	34.7	5.045	S	68.313	E	10	G	4.4		0.6	21	CHAGOS ARCHIPELAGO REGION
28	21	34	00.5*	34.385	N	69.406	E	50	G	3.8		1.3	18	AFGHANISTAN. Felt at Kabul.
28	22	01	55.7	30.191	N	88.150	E	33	N	4.9	4.5	0.9	84	XIZANG. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:02:02.4; Lat 30.08 N; Lon 88.41 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.11, Plg=0, Azm=109; (N) Val=1.04, Plg=0, Azm=19; (P) Val=-4.15, Plg=90, Azm=180; Best double couple: Mo=3.6*10**16 Nm; NP1: Strike=199, Dip=45, Slip=-90; NP2: Strike=19, Dip=45, Slip=-90.
28	22	13	00.3&	34.395	S	70.489	W	14					8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
28	22	19	45.7	51.432	N	16.155	E	5	G			0.7	11	POLAND. ML 3.3 (VIE), 3.0 (WAR).
28	22	25	57.5?	46.74	N	90.78	E	33	N	4.0		1.1	7	NORTHERN XINJIANG, CHINA
28	22	31	05.5&	37.237	N	27.967	E	10	G				4	TURKEY. <ISK>. MD 3.0 (ISK).
28	23	06	32.8&	16.560	N	95.405	W	144					5	OAXACA, MEXICO. <UNM>. MD 3.9 (UNM).
28	23	46	43.9	35.522	N	139.879	E	76	D	5.2		1.0	244	NEAR S. COAST OF HONSHU, JAPAN. Mw 5.4 (HRV). Two people slightly injured in the Tokyo-Yokohama area. Centroid, Moment Tensor (HRV): Centroid origin time 23:46:43.0; Lat 35.56 N; Lon 139.98 E; Dep 49.6; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.21, Plg=6, Azm=339; (N) Val=0.03, Plg=49, Azm=242; (P) Val=-1.23, Plg=40, Azm=74; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=109, Dip=58, Slip=-26; NP2: Strike=213, Dip=68, Slip=-145.
28	23	57	04.5?	21.41	S	176.90	W	300	G	4.3		0.9	16	FIJI ISLANDS REGION
29	00	04	23.0	5.734	S	151.914	E	33	N	5.0	4.7	1.0	53	NEW BRITAIN REGION, P.N.G.
29	00	42	05.9&	44.900	N	2.900	E	5					33	FRANCE. <LDG>. ML 3.0 (STR), 2.8 (LDG).
29	01	17	30.7?	40.33	N	53.04	E	33	N	4.0		1.2	11	TURKMENISTAN
29	01	17	36.0&	18.117	N	67.094	W	8					9	MONA PASSAGE. <MPR>. MD 3.0 (MPR).
29	02	02	53.8&	44.672	N	7.163	E	16					4	NORTHERN ITALY. <GEN>. ML 1.5 (GEN).
29	02	16	12.0	39.570	S	173.908	E	10	G			1.0	15	OFF W. COAST OF N. ISLAND, N.Z. ML 4.7 (WEL). Felt at New Plymouth.
29	03	59	33.2&	39.715	N	39.261	E	10	G				10	TURKEY. <ISK>. MD 3.8 (ISK).
29	04	49	56.4	2.013	S	27.593	E	10	G	4.5		1.0	22	ZAIRE
29	05	34	27.9*	60.277	S	150.752	E	10	G	4.2		0.8	12	WEST OF MACQUARIE ISLAND
29	05	52	12.4&	43.100	N	0.500	W	4					9	PYRENEES. <LDG>. ML 2.5 (STR), 2.1 (LDG). Felt (III) in the Ossau Valley, France.
29	06	03	38.4&	34.098	S	70.359	W	3					6	CHILE-ARGENTINA BORDER REGION. <GUC>.
29	06	09	27.0&	47.470	N	115.830	W	2					27	MONTANA. <BUT-P>. ML 2.9 (BUT). MD 2.7 (SEA).
29	06	16	26.9&	32.293	S	71.737	W	23					10	NEAR COAST OF CENTRAL CHILE. <GUC>.
29	06	51	12.0&	36.070	N	2.440	W	0	G				13	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.8 (MDD).
29	07	26	49.3	11.873	N	125.134	E	94	*			0.4	11	SAMAR, PHILIPPINE ISLANDS
29	07	40	38.7&	59.293	N	151.558	W	47					22	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.4 (AEIC).
29	07	49	32.0&	38.780	N	119.650	W	7					25	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 3.8 (REN). ML 3.5 (BRK), 3.4 (GS).
29	07	57	17.2	53.334	N	159.749	E	68	*	4.5		0.9	44	NEAR EAST COAST OF KAMCHATKA
29	08	30	21.1	55.737	S	27.045	W	33	N	5.6	5.6	0.8	139	SOUTH SANDWICH ISLANDS REGION. Mw 6.0 (GS), 6.0 (HRV). Moment Tensor (GS): Dep 8; Principal axes (scale 10**18 Nm): (T) Val=1.21, Plg=51, Azm=238; (N) Val=-0.22, Plg=3, Azm=332; (P) Val=-0.99, Plg=39, Azm=64; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=176, Dip=7, Slip=114; NP2: Strike=332, Dip=84, Slip=87. Centroid, Moment Tensor (HRV): Centroid origin time 08:30:26.6; Lat 55.77 S; Lon 26.96 W; Dep 15.0 Fix; Half-duration 2.3 sec; Principal axes (scale 10**18 Nm): (T) Val=0.98, Plg=60, Azm=247; (N) Val=0.15, Plg=4, Azm=149; (P) Val=-1.13, Plg=30, Azm=57; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=133, Dip=16, Slip=74; NP2: Strike=330, Dip=75, Slip=95.
29	08	43	13.3&	32.136	S	71.331	W	86					9	NEAR COAST OF CENTRAL CHILE. <GUC>.
29	08	46	25.5&	62.934	N	147.913	W	65					22	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC).
29	09	33	04.6&	32.279	S	71.118	W	77					9	NEAR COAST OF CENTRAL CHILE. <GUC>.
29	09	39	17.3*	2.004	S	139.738	E	33	N	3.8		1.1	6	NEAR NORTH COAST OF IRIAN JAYA
29	10	13	58.2?	55.38	S	26.72	W	33	N			1.3	11	SOUTH SANDWICH ISLANDS REGION
29	11	03	56.0	12.641	N	123.483	E	33	N	4.6		1.4	26	LUZON, PHILIPPINE ISLANDS
29	11	40	34.5&	32.431	S	71.353	W	38					15	NEAR COAST OF CENTRAL CHILE. <GUC>.
29	11	52	16.8*	34.139	N	139.178	E	33	N	4.3		1.0	15	NEAR S. COAST OF HONSHU, JAPAN
29	14	55	34.5*	4.927	S	134.212	E	33	N			1.5	9	IRIAN JAYA REGION, INDONESIA
29	15	18	41.8	34.263	N	26.154	E	33	N	4.0		1.2	54	CRETE
29	15	36	13.9&	33.689	S	70.187	W	117					8	CHILE-ARGENTINA BORDER REGION. <GUC>.
29	15	54	26.4*	2.728	S	142.393	E	10	G	3.1		0.8	5	NEAR N COAST OF NEW GUINEA, PNG.
29	16	23	36.9	51.467	N	175.421	E	33	N	4.8		0.9	71	RAT ISLANDS, ALEUTIAN ISLANDS
29	16	44	46.7&	44.727	N	7.655	E	15					10	NORTHERN ITALY. <GEN>. ML 2.4 (GEN).
29	16	48	04.9*	51.489	N	175.193	E	33	N	4.4		1.0	15	RAT ISLANDS, ALEUTIAN ISLANDS
29	19	22	28.5*	16.220	S	176.144	W	350	G	4.4		0.7	32	FIJI ISLANDS REGION
29	19	52	29.0	30.283	N	94.730	E	33	N	4.1		0.6	10	XIZANG
29	20	08	03.1&	34.099	S	71.670	W	42					9	NEAR COAST OF CENTRAL CHILE. <GUC>.
29	20	11	30.0&	54.611	N	160.456	W	15					13	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
29	20	14	04.0	43.411	N	108.986	E	33	N	4.7	4.3	1.2	60	MONGOLIA

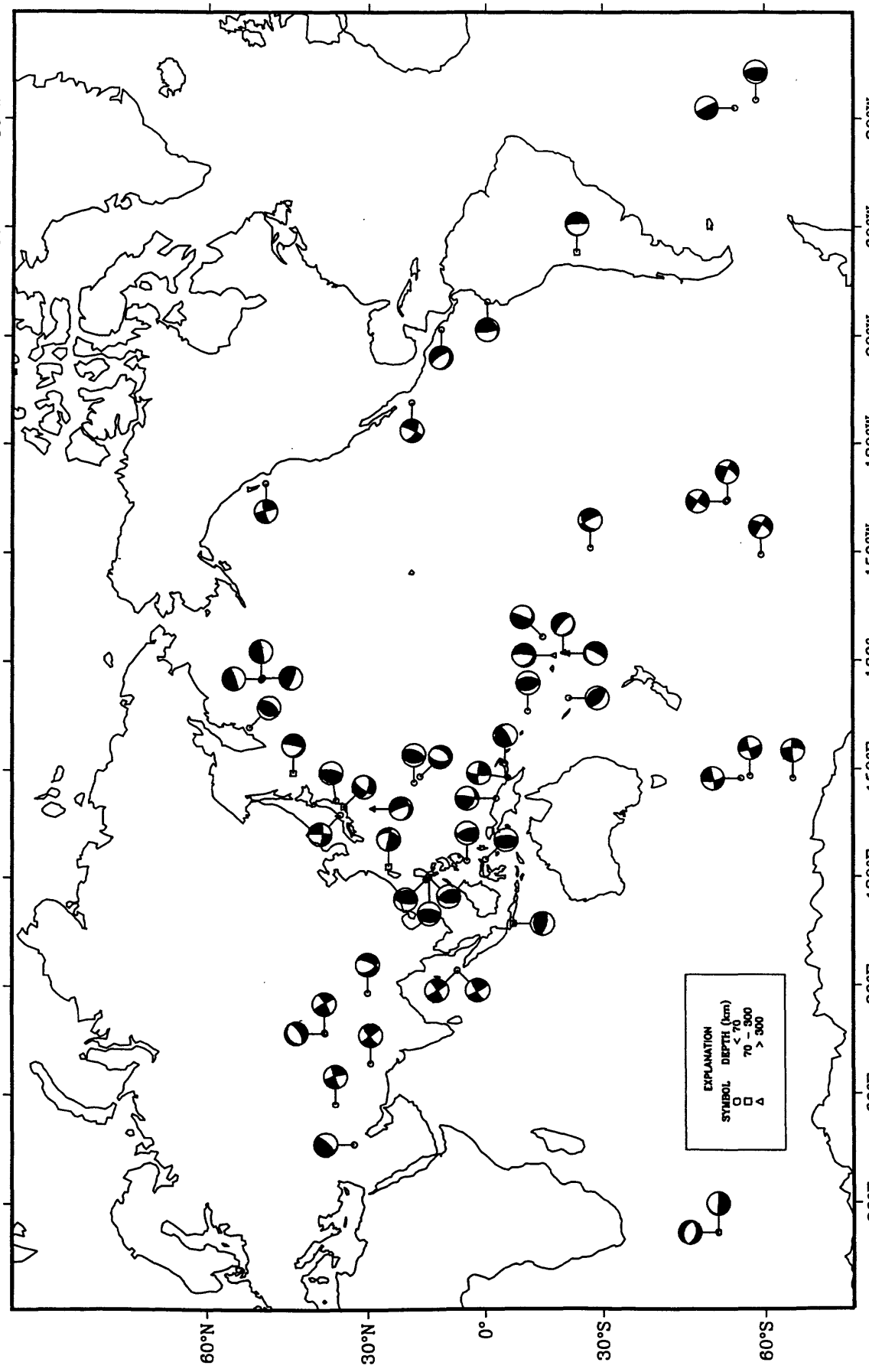
29 20 39 31.0& 18.828 N 65.236 W 53 4 PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
29 20 52 00.6 11.003 S 166.193 E 109 D 4.5 1.0 46 SANTA CRUZ ISLANDS
29 21 06 35.9& 42.500 N 1.900 E 2 9 PYRENEES. <LDG>. ML 1.9 (LDG).
29 21 15 01.1 22.997 S 169.943 E 33 N 4.5 4.3 1.1 40 LOYALTY ISLANDS REGION
29 21 29 15.4 5.107 S 129.453 E 225 * 4.6 1.2 42 BANDA SEA
29 21 31 37.4& 32.149 S 70.240 W 112 11 CHILE-ARGENTINA BORDER REGION. <GUC>.
29 21 50 34.1 51.579 N 174.990 E 33 N 4.6 0.9 74 NEAR ISLANDS, ALEUTIAN ISLANDS
29 22 05 13.9& 33.133 S 70.290 W 4 10 CHILE-ARGENTINA BORDER REGION. <GUC>.
29 22 12 34.6* 17.826 N 146.026 E 142 * 4.5 1.0 24 MARIANA ISLANDS
29 22 32 56.8 46.063 N 15.037 E 10 G 0.2 6 NORTHWESTERN BALKAN REGION. ML 2.4 (VIE).
29 23 13 20.6* 51.252 N 176.311 W 33 N 4.1 1.4 30 ANDREANOF ISLANDS, ALEUTIAN IS.
29 23 32 35.0& 58.770 N 150.655 W 49 14 GULF OF ALASKA. <AEIC>. ML 2.6 (AEIC).
30 00 02 02.6& 33.498 S 73.004 W 27 11 OFF COAST OF CENTRAL CHILE. <GUC>.
30 00 21 17.6? 41.22 S 176.02 E 33 N 0.1 5 OFF E. COAST OF N. ISLAND, N.Z. ML 3.6 (WEL). Felt near Upper Hutt.
30 00 26 10.2 43.445 N 11.537 E 10 G 1.2 54 CENTRAL ITALY. ML 3.3 (STR), 3.1 (LDG).
30 00 43 53.5 29.253 S 66.341 W 33 N 4.9 1.3 26 LA RIOJA PROVINCE, ARGENTINA
30 01 18 22.9 46.172 N 13.624 E 10 G 1.1 76 AUSTRIA. ML 3.9 (FUR), 3.8 (VIE), 3.6 (STR), 3.5 (LDG). MD 3.8 (ROM).
30 01 38 49.7& 15.943 N 61.021 W 27 6 LEEWARD ISLANDS. <FDF>. ML 2.7 (FDF).
30 01 48 08.7 17.092 N 148.133 E 33 N 6.0 6.1 0.9 356 MARIANA ISLANDS REGION. Mw 6.3 (GS), 6.3 (HRV). Me 6.2 (GS). Ms 6.1 (BRK).
Broadband Source Parameters (GS): Dep 12; NP1: Strike=45, Dip=40, Slip=-60; NP2: Strike=188, Dip=56, Slip=-113; Radiated energy 4.1*10**13 Nm.
Moment Tensor (GS): Dep 5; Principal axes (scale 10**18 Nm): (T) Val=2.72, Plg=6, Azm=109; (N) Val=0.02, Plg=19, Azm=201; (P) Val=-2.74, Plg=70, Azm=2; Best double couple: Mo=2.7*10**18 Nm; NP1: Strike=180, Dip=42, Slip=-118; NP2: Strike=36, Dip=54, Slip=-67.
Centroid, Moment Tensor (HRV): Centroid origin time 01:48:11.4; Lat 17.08 N; Lon 148.40 E; Dep 16.0 Bdy; Half-duration 3.6 sec; Principal axes (scale 10**18 Nm): (T) Val=3.51, Plg=6, Azm=271; (N) Val=-0.20, Plg=6, Azm=180; (P) Val=-3.31, Plg=82, Azm=45; Best double couple: Mo=3.4*10**18 Nm; NP1: Strike=8, Dip=39, Slip=-80; NP2: Strike=175, Dip=51, Slip=-98.
30 02 00 03.6* 17.192 N 148.305 E 33 N 4.1 0.9 16 MARIANA ISLANDS REGION
30 02 32 48.6* 29.161 N 140.522 E 126 ? 4.4 1.1 29 SOUTH OF HONSHU, JAPAN
30 02 33 01.5& 33.942 S 70.482 W 14 7 CHILE-ARGENTINA BORDER REGION. <GUC>.
30 03 12 03.9* 2.453 S 140.029 E 33 N 3.7 1.3 11 NEAR NORTH COAST OF IRIAN JAYA
30 03 37 48.9 30.044 N 88.077 E 33 N 4.8 5.0 1.1 79 XIZANG
30 03 49 48.1* 29.904 N 87.989 E 33 N 4.0 1.2 12 XIZANG
30 04 11 05.4& 17.146 N 148.309 E 33 N 0.8 12 MARIANA ISLANDS REGION
30 04 11 35.0 30.034 N 88.081 E 33 N 4.6 1.1 57 XIZANG
30 04 32 15.8 39.443 N 0.302 W 5 G 1.0 16 SPAIN. ML 2.6 (LDG). mbLg 2.3 (MDD).
30 04 36 51.4 19.810 N 94.675 E 65 D 4.6 0.7 102 MYANMAR
30 05 41 50.8& 34.090 S 71.412 W 45 8 NEAR COAST OF CENTRAL CHILE. <GUC>.
30 05 57 15.9& 17.880 N 65.660 W 0 5 PUERTO RICO REGION. <MPR>. MD 2.9 (MPR).
30 06 05 44.2 5.318 S 151.853 E 68 * 4.7 0.9 26 NEW BRITAIN REGION, P.N.G.
30 06 10 24.7* 39.896 N 142.345 E 33 N 3.7 0.8 9 NEAR EAST COAST OF HONSHU, JAPAN
30 06 10 26.3* 42.506 N 102.965 E 33 N 3.8 0.8 6 MONGOLIA
30 06 35 32.2& 47.100 N 7.500 E 2 17 SWITZERLAND. <LDG>. ML 2.3 (LDG), 2.0 (STR), 1.9 (FBB).
30 06 54 17.3& 53.102 N 4.349 W 16 6 UNITED KINGDOM. <BGS>. ML 0.4 (BGS).
30 07 52 25.3 23.934 S 66.906 W 220 D 4.9 1.2 179 JUJUY PROVINCE, ARGENTINA. Mw 5.7 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 07:52:32.7; Lat 23.62 S; Lon 66.72 W; Dep 216.8; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.52, Plg=40, Azm=93; (N) Val=-0.28, Plg=7, Azm=357; (P) Val=-3.24, Plg=49, Azm=259; Best double couple: Mo=3.4*10**17 Nm; NP1: Strike=235, Dip=8, Slip=-32; NP2: Strike=357, Dip=86, Slip=-97.
30 08 01 07.0& 30.318 S 71.357 W 55 9 NEAR COAST OF CENTRAL CHILE. <GUC>.
30 09 03 17.5* 6.108 S 147.239 E 109 * 4.0 1.5 15 EASTERN NEW GUINEA REG., P.N.G.
30 09 06 43.6* 5.514 S 152.785 E 33 N 4.3 1.3 11 NEW BRITAIN REGION, P.N.G.
30 09 30 26.3* 46.171 N 13.652 E 10 G 1.1 9 AUSTRIA. ML 2.9 (VIE), 2.4 (LJU).
30 10 28 38.3& 58.786 N 153.682 W 77 34 KODIAK ISLAND REGION. <AEIC>.
30 10 33 42.5* 33.653 N 135.379 E 33 N 1.4 6 NEAR S. COAST OF WESTERN HONSHU
30 11 03 55.1* 11.657 N 92.746 E 33 N 3.8 1.0 13 ANDAMAN ISLANDS, INDIA
30 11 04 35.1& 36.310 N 7.890 W 4 20 STRAIT OF GIBRALTAR. <MDD>. mbLg 2.4 (MDD).
30 11 12 40.2& 46.200 N 7.700 E 2 5 SWITZERLAND. <LDG>. ML 1.9 (LDG).
30 11 33 33.0& 50.910 N 130.660 W 10 G 5.4 6.0 396 VANCOUVER ISLAND REGION. <PGC-P>. Mw 6.1 (GS), 6.1 (HRV). Me 6.1 (GS).
Broadband Source Parameters (GS): Dep 6; NP1: Strike=345, Dip=85, Slip=-170; NP2: Strike=254, Dip=80, Slip=-5; Radiated energy 3.5*10**13 Nm. Two events about 3 seconds apart. Depth based on first event.
Moment Tensor (GS): Dep 3; Principal axes (scale 10**18 Nm): (T) Val=1.47, Plg=8, Azm=114; (N) Val=0.04, Plg=80, Azm=251; (P) Val=-1.51, Plg=7, Azm=23; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=158, Dip=80, Slip=180; NP2: Strike=249, Dip=90, Slip=10.
Centroid, Moment Tensor (HRV): Centroid origin time 11:33:41.1; Lat 50.98 N; Lon 130.58 W; Dep 15.0 Fix; Half-duration 2.6 sec; Principal axes (scale 10**18 Nm): (T) Val=1.60, Plg=2, Azm=122; (N) Val=-0.08, Plg=75, Azm=25; (P) Val=-1.51, Plg=15, Azm=213; Best double couple: Mo=1.6*10**18 Nm; NP1: Strike=256, Dip=78, Slip=-10; NP2: Strike=348, Dip=81, Slip=-168.
30 12 35 54.0* 28.416 S 74.264 E 10 G 4.5 0.4 12 MID-INDIAN RIDGE
30 12 48 04.2& 61.780 N 151.987 W 116 3.2 37 SOUTHERN ALASKA. <AEIC>.
30 12 54 20.9& 38.832 N 122.788 W 2 8 NORTHERN CALIFORNIA. <GM-P>. MD 2.7 (GM).
30 13 52 05.4& 34.850 S 71.052 W 105 9 NEAR COAST OF CENTRAL CHILE. <GUC>.

30	14	34	06.7*	32.704	N	121.604	E	33	N			1.2	7	SOUTHEASTERN CHINA. ML 3.9 (BJI).
30	14	34	43.2	53.669	N	161.867	E	33	N	5.5	5.2	0.9	434	OFF EAST COAST OF KAMCHATKA. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:34:49.1; Lat 53.57 N; Lon 162.33 E; Dep 38.0; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.13, Plg=79, Azm=337; (N) Val=0.58, Plg=6, Azm=214; (P) Val=-2.72, Plg=9, Azm=123; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=205, Dip=36, Slip=80; NP2: Strike=38, Dip=54, Slip=97.
30	14	37	02.0*	53.889	N	161.625	E	33	N	5.2		1.2	35	OFF EAST COAST OF KAMCHATKA
30	15	25	37.3*	12.257	N	144.434	E	54	D	4.2		0.9	16	SOUTH OF MARIANA ISLANDS
30	15	36	43.5*	18.791	N	145.607	E	250	G	3.6		0.7	11	MARIANA ISLANDS
30	15	39	10.7*	31.456	S	68.811	W	150	G			0.7	13	SAN JUAN PROVINCE, ARGENTINA
30	16	03	19.8*	74.422	N	10.002	E	10	G	4.1		1.3	10	NORWEGIAN SEA
30	16	07	51.7*	37.264	N	69.618	E	163	?	4.1		1.3	22	AFGHANISTAN-TAJIKISTAN BORD REG.
30	16	28	25.9&	43.726	N	7.704	E	8					34	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.6 (GEN), 2.5 (LDG), 2.5 (STR).
30	16	29	48.8	12.270	N	144.022	E	33	N	4.8		1.3	39	SOUTH OF MARIANA ISLANDS
30	16	55	56.4*	37.344	N	69.612	E	186	?	3.2		0.9	10	AFGHANISTAN-TAJIKISTAN BORD REG.
30	17	23	05.0&	32.382	S	71.375	W	41					12	NEAR COAST OF CENTRAL CHILE. <GUC>.
30	17	36	48.7?	39.85	S	47.35	E	10	G			0.8	7	SOUTHWEST INDIAN RIDGE
30	17	47	01.6*	38.678	N	142.553	E	33	N			0.9	9	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in northern Miyagi Prefecture.
30	18	14	26.3?	18.31	N	146.03	E	33	N	4.4		1.0	13	MARIANA ISLANDS
30	18	20	45.4&	62.198	N	142.456	W	1					39	CENTRAL ALASKA. <AEIC>. ML 3.7 (AEIC), 3.7 (PMR), 4.0 (PGC).
30	18	43	05.9?	12.18	N	144.38	E	33	N			1.3	7	SOUTH OF MARIANA ISLANDS
30	19	26	10.3&	32.556	S	71.415	W	36					13	NEAR COAST OF CENTRAL CHILE. <GUC>.
30	19	54	53.1&	62.166	N	142.384	W	11					21	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.1 (PGC).
30	20	06	40.3*	18.690	N	70.271	W	33	N	4.2		0.8	13	DOMINICAN REPUBLIC REGION
30	20	42	57.0*	7.418	S	119.310	E	316	*	3.9		1.4	12	FLORES SEA
30	20	55	50.6*	37.035	N	8.812	W	10	G			1.0	29	PORTUGAL. mbLg 2.6 (MDD).
30	21	09	17.3	17.127	N	148.080	E	33	N	4.7		1.0	35	MARIANA ISLANDS REGION
30	21	10	24.0	49.176	N	6.929	E	5	G			0.9	13	GERMANY. ML 2.9 (UCC), 2.6 (FBB). Mining induced event in the Lorraine region, France.
30	22	03	54.4&	62.198	N	142.266	W	16					27	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.7 (PGC).
30	22	12	56.9*	24.657	N	99.374	E	33	N	4.0		1.0	15	YUNNAN, CHINA
30	22	55	10.4	42.937	N	7.187	W	33	N			1.2	30	SPAIN. ML 3.2 (LDG). mbLg 3.1 (MDD). Felt (IV) at Triacastela and (III) at Baralla, Becerrea, Lugo and Sarria.
30	23	01	22.3&	35.148	N	117.358	W	7					29	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
30	23	02	21.0*	24.609	N	99.459	E	33	N	3.8		1.3	8	YUNNAN, CHINA. ML 3.8 (BJI).
30	23	27	22.9&	33.641	S	70.844	W	70					11	CHILE-ARGENTINA BORDER REGION. <GUC>.
30	23	36	34.9	6.289	S	148.773	E	57	*	4.6		1.0	27	NEW BRITAIN REGION, P.N.G.
31	00	08	03.2&	34.108	N	116.919	W	5					28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
31	00	29	11.2*	42.009	N	81.677	E	33	N	3.9		1.3	6	NORTHERN XINJIANG, CHINA
31	00	33	21.1&	34.300	S	71.213	W	80					12	NEAR COAST OF CENTRAL CHILE. <GUC>.
31	00	46	02.7*	33.515	S	67.872	W	200	G			0.5	12	MENDOZA PROVINCE, ARGENTINA
31	01	12	25.2*	39.808	N	76.896	E	33	N			1.4	9	SOUTHERN XINJIANG, CHINA
31	01	37	13.5?	15.85	S	74.50	W	33	N			0.8	5	NEAR COAST OF PERU
31	01	44	56.0*	2.463	S	11.722	W	10	G	4.6	4.2	1.2	39	NORTH OF ASCENSION ISLAND
31	01	55	36.0*	15.356	N	104.760	W	33	N	4.3		0.9	20	OFF COAST OF MICHOACAN, MEXICO
31	02	12	48.4*	36.831	N	76.931	E	85	?	3.8		1.3	11	KASHMIR-XINJIANG BORDER REGION
31	02	25	10.5&	34.023	S	70.107	W	9					8	CHILE-ARGENTINA BORDER REGION. <GUC>.
31	02	32	04.1	45.949	N	14.779	E	10	G	4.1		1.2	199	NORTHWESTERN BALKAN REGION. ML 4.9 (VIE), 4.8 (FUR), 4.7 (LDG), 4.7 (CLL), 4.6 (PDG), 4.5 (FBB), 4.3 (ROM), 4.2 (LJU). Felt (VI) in the epicentral area, Slovenia. Also felt (V) in much of Karnten and Steiermark, Austria.
31	03	19	39.3	56.142	S	27.602	W	79	D	5.0		0.8	40	SOUTH SANDWICH ISLANDS REGION
31	03	21	51.5&	62.798	N	149.762	W	74					68	CENTRAL ALASKA. <AEIC>.
31	03	40	05.2	51.625	N	16.231	E	5	G			0.8	29	POLAND. ML 4.2 (GRF), 3.9 (FUR), 3.7 (VIE), 3.5 (WAR).
31	04	45	46.2&	37.180	N	3.750	W	0	G				12	SPAIN. <MDD>. mbLg 2.3 (MDD).
31	04	49	17.3&	32.538	S	71.819	W	15					10	NEAR COAST OF CENTRAL CHILE. <GUC>.
31	04	52	02.7	36.560	N	71.077	E	233	D	4.0		0.8	48	AFGHANISTAN-TAJIKISTAN BORD REG.
31	04	57	48.1	2.643	S	134.708	E	33	N	4.7		1.3	32	IRIAN JAYA REGION, INDONESIA
31	05	17	19.2&	17.175	N	95.431	W	193					11	OAXACA, MEXICO. <UNM>. MD 3.9 (UNM).
31	05	42	24.7&	43.876	N	7.748	E	7					5	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 1.5 (GEN).
31	05	46	02.7*	24.604	N	123.366	E	33	N	4.0		0.5	9	SOUTHWESTERN RYUKYU ISLANDS
31	06	16	07.6*	33.758	S	72.007	W	33	N			0.5	13	OFF COAST OF CENTRAL CHILE
31	06	31	19.6&	31.724	S	72.919	W	10					10	OFF COAST OF CENTRAL CHILE. <GUC>.
31	08	07	25.3&	38.831	N	27.780	E	5					6	TURKEY. <ISK>. MD 2.7 (ISK).
31	09	18	12.5?	1.91	N	97.99	W	21	D	4.0		0.9	11	WEST OF GALAPAGOS ISLANDS
31	09	53	45.8	45.912	N	14.885	E	10	G			0.8	9	NORTHWESTERN BALKAN REGION. ML 3.0 (VIE), 2.4 (LJU).
31	09	54	04.2&	44.556	N	8.604	E	9					10	NORTHERN ITALY. <GEN>. ML 2.2 (GEN).
31	09	59	17.6&	32.384	S	71.410	W	28					10	NEAR COAST OF CENTRAL CHILE. <GUC>.
31	10	23	09.9*	21.585	S	170.769	E	33	N	4.3		1.4	17	LOYALTY ISLANDS REGION
31	10	23	59.2	7.351	S	129.282	E	126	*	4.7		1.0	35	BANDA SEA
31	10	34	33.7&	40.825	N	29.518	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
31	10	44	56.1	17.021	N	148.096	E	33	N	4.7	4.4	1.1	58	MARIANA ISLANDS REGION
31	11	00	32.7	31.835	S	72.917	W	30	D	4.7		0.9	68	OFF COAST OF CENTRAL CHILE
31	11	11	06.1?	27.69	S	65.49	E	10	G	4.0		0.6	10	SOUTH INDIAN OCEAN
31	12	09	55.0*	19.577	N	147.482	E	33	N	3.8		0.9	11	MARIANA ISLANDS REGION
31	12	23	14.5&	53.028	N	5.309	W	13					8	UNITED KINGDOM. <BGS>. ML 2.0 (BGS).
31	12	34	13.3*	36.629	N	71.414	E	200	G	4.2		0.8	11	AFGHANISTAN-TAJIKISTAN BORD REG.
31	12	41	52.1?	20.95	S	178.30	W	400	G	3.8		1.1	22	FIJI ISLANDS REGION
31	13	04	13.1*	45.930	N	14.879	E	10	G			0.2	5	NORTHWESTERN BALKAN REGION. ML 1.1 (LJU).
31	13	04	53.6	13.879	N	125.004	E	33	D	4.7		1.1	37	PHILIPPINE ISLANDS REGION
31	13	14	03.8*	16.948	N	148.336	E	33	N	3.9		1.0	21	MARIANA ISLANDS REGION
31	14	12	51.2&	54.607	N	161.229	W	0					13	ALASKA PENINSULA. <AEIC>. ML 2.9 (AEIC).
31	14	38	25.7*	16.967	N	148.391	E	33	N	3.4		0.7	9	MARIANA ISLANDS REGION
31	14	48	24.4	35.878	N	26.872	E	33	N	4.2		1.4	84	CRETE. MD 3.9 (ISK).
31	15	04	50.3?	54.33	N	161.97	E	33	N	4.4		1.3	11	NEAR EAST COAST OF KAMCHATKA
31	15	41	06.0	15.555	S	69.263	W	281	D	4.6		1.0	112	PERU-BOLIVIA BORDER REGION. Felt (II) at Arica, Chile.
31	16	37	00.3&	44.610	N	6.842	E	5					36	FRANCE. <GEN>. ML 2.7 (GEN), 2.4 (LDG), 2.4 (STR).
31	16	43	09.8*	39.875	N	23.499	E	33	N			0.6	10	AEGEAN SEA

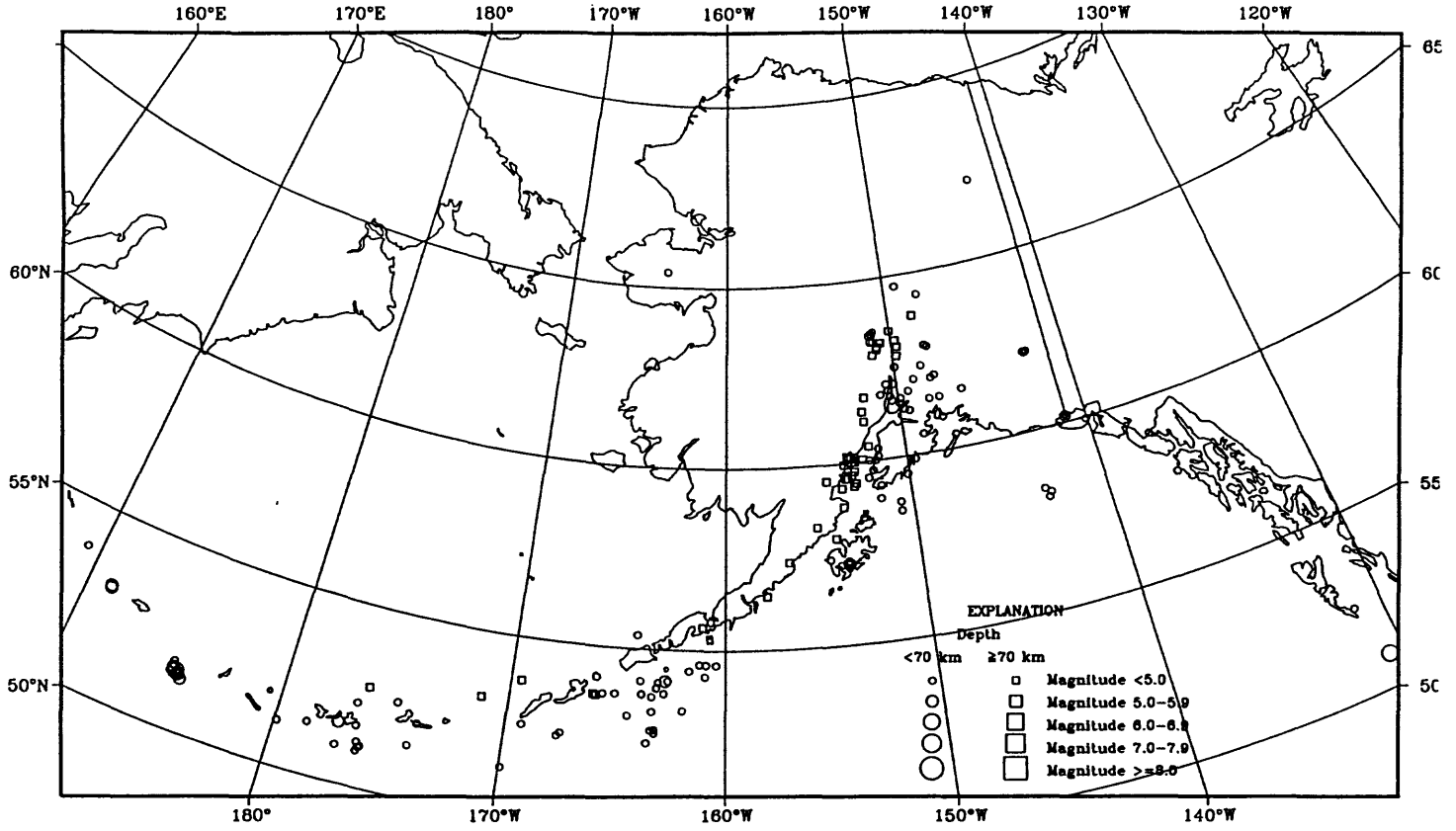
31	17	26	40.3*	45.722	N	27.045	E	33	N		0.8	5	ROMANIA
31	17	41	52.1&	43.100	N	0.700	W	2				8	PYRENEES. <LDG>. ML 2.6 (STR), 2.4 (LDG).
31	17	43	32.2	6.767	S	130.241	E	100	G	4.0	0.5	9	BANDA SEA
31	18	30	19.4&	63.273	N	151.252	W	13				28	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.8 (PMR).
31	19	16	20.8	14.944	N	120.196	E	68		5.1 4.7	1.0	131	LUZON, PHILIPPINE ISLANDS. Mw 5.4 (HRV). Felt in the Manila area and in Pampanga and Zambales Provinces. Centroid, Moment Tensor (HRV): Centroid origin time 19:16:20.6; Lat 15.06 N; Lon 119.97 E; Dep 50.6; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.43, Plg=70, Azm=182; (N) Val=-0.32, Plg=19, Azm=350; (P) Val=-1.12, Plg=4, Azm=82; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=191, Dip=45, Slip=118; NP2: Strike=334, Dip=52, Slip=65.
31	21	08	18.5*	15.689	N	98.242	W	10	G	4.3	1.1	27	OFF COAST OF GUERRERO, MEXICO. MD 4.5 (UNM).
31	21	15	38.8&	40.770	N	29.049	E	5				12	TURKEY. <ISK>. MD 3.2 (ISK).
31	21	41	50.4?	3.05	S	134.92	E	33	N	4.0	0.9	8	IRIAN JAYA REGION, INDONESIA
31	21	50	09.6&	61.624	N	149.879	W	40				50	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 2.6 (PMR).
31	22	00	58.9	41.894	N	23.244	E	10	G		0.9	11	GREECE-BULGARIA BORDER REGION
31	22	04	25.8*	42.937	N	12.213	E	10	G		1.0	11	CENTRAL ITALY
31	22	18	06.5&	45.300	N	0.800	E	2				24	FRANCE. <LDG>. ML 2.7 (STR), 2.5 (LDG).
31	22	21	14.3&	45.300	N	0.800	E	2				10	FRANCE. <LDG>. ML 2.3 (STR), 2.1 (LDG).
31	22	34	24.9*	43.200	N	12.606	E	10	G		1.1	25	CENTRAL ITALY. ML 3.1 (LDG).
31	22	38	12.8	43.201	N	26.132	E	10	G		0.6	16	BULGARIA

Compiled by Pamela J. Benfield, Don L. Blakeman, George L. Choy, Stuart K. Koyanagi, Alena L. Leeds, John H. Minsch, Waverly J. Person, Stuart A. Sipkin, William K. Smith and Madeleine D. Zirbes.

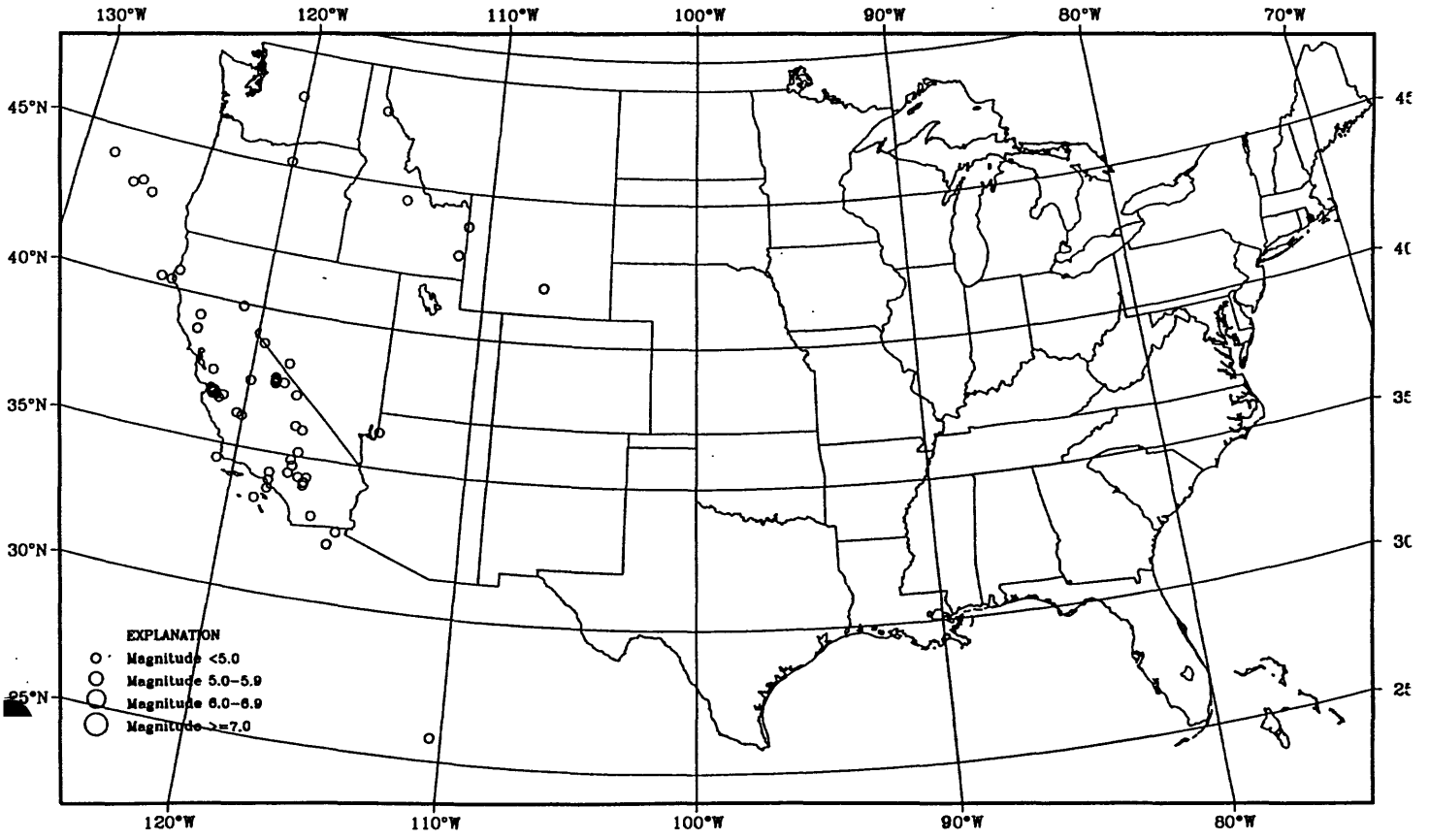
Earthquake Focal Mechanisms for August 1998



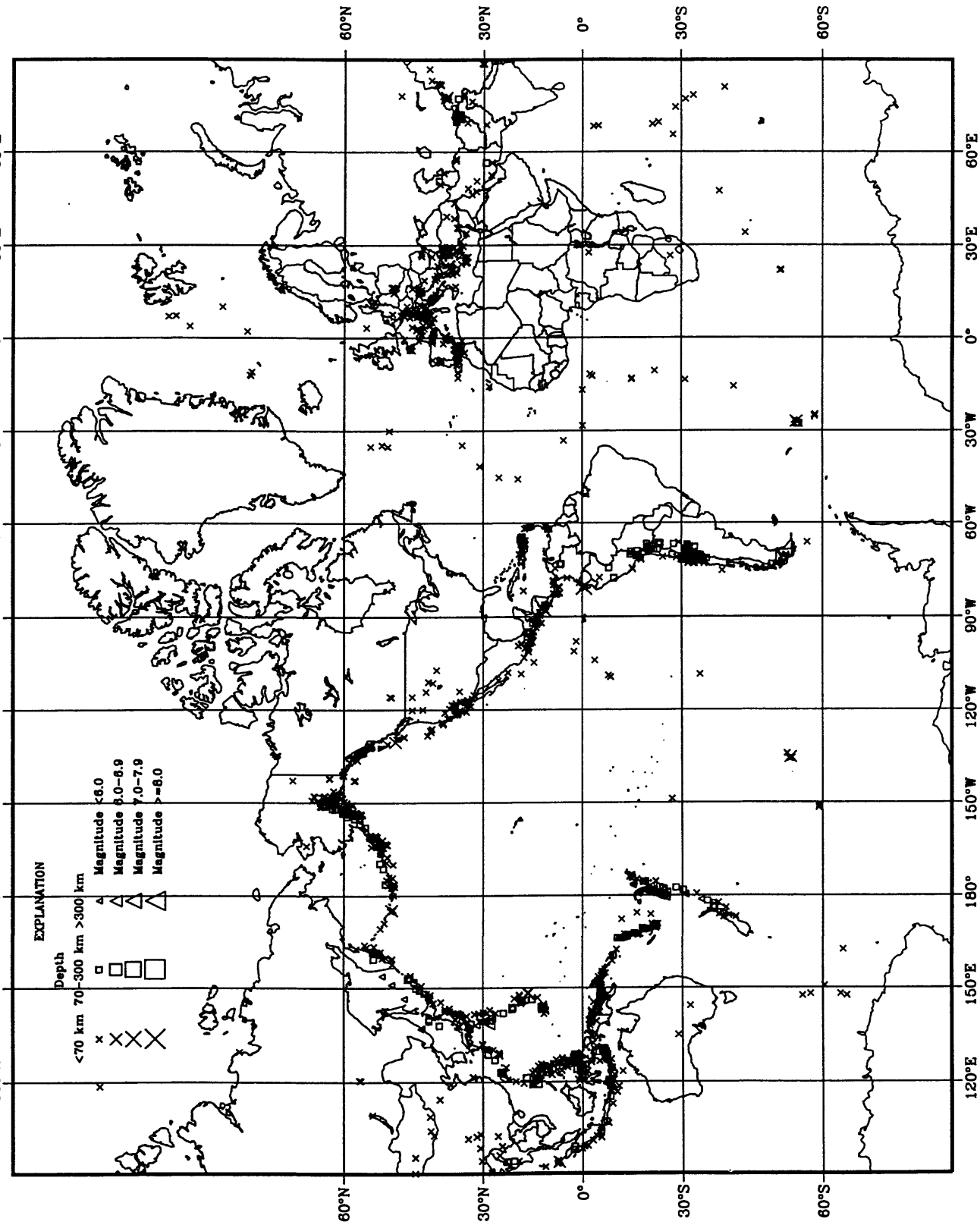
Earthquake epicenters in Alaska and adjacent regions for August 1998



Earthquake epicenters in the conterminous United States and adjacent regions for August 1998



Earthquakes located worldwide in August 1998



USGS
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U.S. Department of the Interior
U.S. Geological Survey

Preliminary Determination of Epicenters

Monthly Listing

National Earthquake Information Center

SEPTEMBER 1998

ORIGIN TIME UTC DAY	HR	MN	SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH		MAGNITUDE GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00	07	02.1&	59.483 N	153.279 W	110					11	SOUTHERN ALASKA. <AEIC>.
01	00	27	39.8&	60.142 N	152.552 W	99					18	SOUTHERN ALASKA. <AEIC>.
01	00	32	39.1	18.677 N	70.589 W	19	D	4.3		1.1	49	DOMINICAN REPUBLIC REGION
01	00	34	44.8&	43.100 N	0.200 W	2					12	PYRENEES. <LDG>. ML 2.9 (STR), 2.2 (LDG). Felt (II) at Argeles, France.
01	00	41	20.2&	41.260 N	22.570 E	7					8	NORTHWESTERN BALKAN REGION. <SKO>.
01	00	57	41.2*	39.551 N	77.245 E	33	N			1.2	11	SOUTHERN XINJIANG, CHINA
01	01	19	37.5	17.555 S	174.771 W	220	D	5.3		0.7	252	TONGA ISLANDS. Mw 5.6 (GS), 5.6 (HRV). Moment Tensor (GS): Dep 214; Principal axes (scale 10**17 Nm): (T) Val=3.31, Plg=49, Azm=348; (N) Val=-0.49, Plg=34, Azm=207; (P) Val=-2.82, Plg=20, Azm=103; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=151, Dip=39, Slip=27; NP2: Strike=39, Dip=73, Slip=126. Centroid, Moment Tensor (HRV): Centroid origin time 01:19:41.5; Lat 17.55 S; Lon 174.52 W; Dep 219.2; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.05, Plg=51, Azm=350; (N) Val=-0.02, Plg=21, Azm=232; (P) Val=-3.04, Plg=31, Azm=128; Best double couple: Mo=3.0*10**17 Nm; NP1: Strike=170, Dip=24, Slip=26; NP2: Strike=56, Dip=80, Slip=112.
01	01	21	17.7*	34.315 N	140.363 E	80	*			0.9	14	NEAR EAST COAST OF HONSHU, JAPAN
01	02	51	29.6&	53.596 N	164.932 W	1					5	UNIMAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
01	04	03	59.7&	32.606 S	71.665 W	5					10	NEAR COAST OF CENTRAL CHILE. <GUC>.
01	04	10	11.0*	51.443 N	16.188 E	5	G			0.9	8	POLAND. ML 3.1 (VIE), 2.7 (WAR).
01	04	32	54.5*	23.890 N	123.138 E	82	*			0.9	12	SOUTHWESTERN RYUKYU ISLANDS. Felt (I JMA) on Iriomote-shima.
01	04	34	34.3	32.819 S	179.542 E	269	*	4.8		1.0	60	SOUTH OF KERMADEC ISLANDS
01	05	19	12.8&	34.442 S	70.634 W	115					10	CHILE-ARGENTINA BORDER REGION. <GUC>.
01	05	28	50.2&	60.047 N	152.999 W	108					25	SOUTHERN ALASKA. <AEIC>.
01	05	37	23.3*	12.920 N	143.551 E	33	N			1.1	11	SOUTH OF MARIANA ISLANDS
01	05	57	01.5*	17.764 S	64.984 W	33	N	4.4		1.4	25	CENTRAL BOLIVIA
01	05	59	59.3*	5.605 S	151.877 E	33	N	4.3		1.4	13	NEW BRITAIN REGION, P.N.G.
01	06	53	51.6*	51.187 N	178.180 W	33	N	4.3		1.1	12	ANDREANOF ISLANDS, ALEUTIAN IS.
01	06	53	52.6&	43.790 N	7.360 E	10	G				6	NEAR SOUTH COAST OF FRANCE. <STR>. ML 1.4 (STR).
01	07	31	09.0?	12.26 N	86.80 W	33	N	3.8		1.1	12	NICARAGUA
01	08	29	12.7	28.049 S	70.439 W	87	D	4.6		0.9	57	CENTRAL CHILE. Felt (III) at Copiapo and Tierra Amarilla; (II) at Chanaral, Diego de Almagro, Freirina, Huasco, Inca de Oro and Vallenar.
01	08	39	24.4&	59.897 N	153.261 W	118					17	SOUTHERN ALASKA. <AEIC>.
01	09	15	18.4&	45.030 N	3.100 E	2	G				4	FRANCE. <STR>. ML 2.5 (STR).
01	09	19	42.8&	49.143 N	127.775 W	10	G	4.4			100	VANCOUVER ISLAND REGION. <PGC-P>. ML 4.0 (PGC).
01	09	20	31.4&	38.812 N	27.726 E	15					9	TURKEY. <ISK>. MD 3.0 (ISK).
01	09	59	16.3&	37.360 N	3.530 W	1					10	SPAIN. <MDD>. mbLg 2.1 (MDD).
01	10	29	49.0	58.206 S	26.533 W	152	D	5.4		0.7	125	SOUTH SANDWICH ISLANDS REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:29:54.5; Lat 58.50 S; Lon 26.10 W; Dep 158.2; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.76, Plg=62, Azm=259; (N) Val=-0.27, Plg=15, Azm=20; (P) Val=-2.50, Plg=23, Azm=116; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=234, Dip=26, Slip=127; NP2: Strike=14, Dip=70, Slip=74.
01	10	42	38.1*	40.659 S	173.984 E	100	G			0.2	10	COOK STRAIT, NEW ZEALAND
01	10	53	15.1*	10.477 S	165.788 E	150	G	4.2		0.8	10	SANTA CRUZ ISLANDS
01	10	56	44.9&	36.651 N	121.265 W	4					12	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM).
01	11	56	50.6&	40.250 N	29.214 E	8					8	TURKEY. <ISK>. MD 2.7 (ISK).
01	13	09	37.3&	15.418 N	96.693 W	35					6	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.0 (UNM).
01	13	16	36.6*	17.002 N	148.260 E	37	D	3.8		0.8	19	MARIANA ISLANDS REGION
01	13	27	11.4&	31.872 S	71.523 W	15					10	NEAR COAST OF CENTRAL CHILE. <GUC>.
01	13	53	51.7	36.505 N	26.940 E	150	G			0.8	19	DODECANESE ISLANDS
01	14	16	12.4&	15.660 N	96.750 W	8					4	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 3.9 (UNM).
01	14	18	36.8&	47.980 N	7.590 E	10	G				16	SWITZERLAND. <STR>. ML 1.9 (STR), 1.9 (FBB).
01	14	28	20.5&	34.818 S	69.976 W	158					11	CHILE-ARGENTINA BORDER REGION. <GUC>.

01	14	33	41.9	16.758	S	173.597	W	33	N	5.4	0.8	152	TONGA ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:33:50.9; Lat 16.88 S; Lon 173.31 W; Dep 72.6; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.11, Plg=35, Azm=270; (N) Val=-0.09, Plg=20, Azm=15; (P) Val=-2.03, Plg=48, Azm=128; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=306, Dip=21, Slip=-160; NP2: Strike=197, Dip=83, Slip=-70.
01	15	03	05.9*	11.260	S	165.368	E	33	N	4.1	1.1	12	SANTA CRUZ ISLANDS
01	15	12	04.1*	9.313	S	110.735	E	33	N	4.1	1.1	20	SOUTH OF JAWA, INDONESIA
01	15	20	45.3&	33.732	S	70.029	W	4				7	CHILE-ARGENTINA BORDER REGION. <GUC>.
01	15	38	43.6?	1.91	N	97.51	W	10	G	4.2	0.9	11	WEST OF GALAPAGOS ISLANDS
01	15	47	52.0&	36.830	N	6.920	W	15				27	STRAIT OF GIBRALTAR. <MDD>. mbLg 3.0 (MDD).
01	17	49	06.3&	57.400	N	156.654	W	117		4.2		58	ALASKA PENINSULA. <AEIC>.
01	18	02	29.0&	47.800	N	4.700	W	2				4	FRANCE. <LDG>. ML 2.2 (LDG).
01	18	12	02.0*	7.822	N	137.289	E	33	N	4.3	1.0	23	WESTERN CAROLINE ISLANDS
01	18	12	49.2&	50.732	N	130.584	W	10	G	4.4		116	VANCOUVER ISLAND REGION. <PGC-P>. ML 4.6 (PGC).
01	18	37	56.1*	4.222	N	122.897	E	550	G	4.2	0.7	14	CELEBES SEA
01	18	51	48.0&	43.400	N	5.490	E	1	G			15	NEAR SOUTH COAST OF FRANCE. <STR>. ML 3.0 (STR). Mining induced event in the Gardanne area.
01	19	36	01.8&	58.446	N	153.379	W	72				51	KODIAK ISLAND REGION. <AEIC>.
01	20	30	19.7*	49.828	N	18.420	E	10	G		0.4	6	CZECH AND SLOVAK REPUBLICS. ML 2.9 (VIE).
01	20	41	39.8	45.913	N	14.893	E	10	G		0.9	10	NORTHWESTERN BALKAN REGION. ML 2.5 (VIE), 2.1 (LJU). Felt (IV) at Sentvid pri Sticni, Slovenia.
01	21	06	43.3&	33.125	S	70.817	W	73				9	CHILE-ARGENTINA BORDER REGION. <GUC>.
01	22	51	08.2	44.700	N	10.007	E	10	G		0.9	32	NORTHERN ITALY. ML 2.9 (LDG).
01	23	31	07.6*	17.879	S	178.437	W	550	G	4.1	1.0	20	FIJI ISLANDS REGION
01	23	56	20.9&	60.918	N	140.217	W	6				21	SOUTHEASTERN ALASKA. <AEIC>. ML 3.2 (AEIC).
01	23	59	24.7&	40.008	N	28.775	E	10	G			10	TURKEY. <ISK>. MD 2.9 (ISK).
02	00	20	53.3*	5.769	S	154.467	E	119	?	4.3	0.9	21	SOLOMON ISLANDS
02	00	20	53.8*	36.053	S	103.698	W	10	G	4.6 4.3	0.9	21	SOUTHERN PACIFIC OCEAN
02	00	46	44.4&	47.100	N	3.100	W	2				4	FRANCE. <LDG>. ML 1.9 (LDG).
02	01	07	15.5&	36.965	N	121.595	W	7				10	CENTRAL CALIFORNIA. <GM-P>. ML 3.0 (GM), 3.1 (BRK). Felt at Gilroy.
02	02	00	16.7&	46.200	N	2.800	E	2				9	FRANCE. <LDG>. ML 1.6 (LDG), 1.5 (STR).
02	02	01	24.7	61.332	N	146.944	W	47	D	4.6	0.9	135	SOUTHERN ALASKA. ML 4.6 (PMR), 4.3 (AEIC). Felt (IV) at Cordova and Valdez; (III) at Anchorage, Eagle River, Palmer and Wasilla.
02	03	01	24.4*	5.120	N	127.600	E	33	N	3.8	1.3	14	PHILIPPINE ISLANDS REGION
02	03	38	22.0	35.260	N	30.931	E	33	N		0.9	17	EASTERN MEDITERRANEAN SEA. MD 3.6 (ISK).
02	03	50	38.8&	32.234	S	70.928	W	64				10	CHILE-ARGENTINA BORDER REGION. <GUC>.
02	04	29	34.3	7.673	S	124.888	E	368		4.5	0.9	39	BANDA SEA
02	04	34	58.1&	36.830	N	1.990	W	11				10	WESTERN MEDITERRANEAN SEA. <MDD>. mbLg 2.3 (MDD).
02	05	42	15.2	8.091	S	117.937	E	33	N	3.6	0.8	8	SUMBAWA REGION, INDONESIA
02	06	13	15.8&	34.531	S	70.630	W	111				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
02	06	54	40.7*	37.584	S	177.099	E	184		4.4	1.0	42	OFF E. COAST OF N. ISLAND, N.Z.
02	07	12	40.9*	7.024	N	73.218	W	142	*	4.1	1.0	22	NORTHERN COLOMBIA
02	07	58	17.3&	31.766	S	70.514	W	120				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
02	08	15	52.4&	30.734	S	71.637	W	41				10	NEAR COAST OF CENTRAL CHILE. <GUC>.
02	08	32	13.2&	60.852	N	149.903	W	37				49	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC), 3.3 (PMR).
02	08	37	29.9	5.410	N	126.764	E	50	G	6.6 6.7	1.0	424	MINDANAO, PHILIPPINE ISLANDS. Mw 6.8 (GS), 6.8 (HRV). Me 6.7 (GS). Ms 6.7 (BRK). Items knocked from shelves (IV RF) at General Santos. Felt (IV RF) on Samal; (III RF) at Butuan, Davao and Kidapawan; (II RF) at Bislig, Cagayan de Oro and Cotabato; (I RF) at Zamboanga. Felt in much of Mindanao. Broadband Source Parameters (GS): Dep 13; NP1: Strike=45, Dip=53, Slip=120; NP2: Strike=181, Dip=46, Slip=56; Radiated energy 2.3*10**14 Nm. Two events about 2.5 seconds apart. Depth based on first event. Moment Tensor (GS): Dep 50; Principal axes (scale 10**19 Nm): (T) Val=1.88, Plg=74, Azm=257; (N) Val=0.09, Plg=15, Azm=55; (P) Val=-1.96, Plg=6, Azm=147; Best double couple: Mo=1.9*10**19 Nm; NP1: Strike=253, Dip=41, Slip=113; NP2: Strike=44, Dip=52, Slip=71. Centroid, Moment Tensor (HRV): Centroid origin time 08:37:35.0; Lat 5.43 N; Lon 126.95 E; Dep 40.4; Half-duration 6.6 sec; Principal axes (scale 10**19 Nm): (T) Val=2.00, Plg=72, Azm=255; (N) Val=0.17, Plg=17, Azm=56; (P) Val=-2.17, Plg=5, Azm=147; Best double couple: Mo=2.1*10**19 Nm; NP1: Strike=255, Dip=42, Slip=115; NP2: Strike=42, Dip=53, Slip=69. Scalar Moment (PPT): Mo=3.3*10**19 Nm.
02	08	38	00.0&	17.960	N	66.340	W	9				10	PUERTO RICO REGION. <MPR>. MD 3.3 (MPR).
02	08	50	40.1&	60.850	N	149.883	W	37				31	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
02	09	05	26.6&	45.600	N	2.900	E	2				14	FRANCE. <LDG>. ML 2.6 (LDG), 2.3 (STR).
02	09	17	30.4&	31.848	S	70.407	W	115				10	CHILE-ARGENTINA BORDER REGION. <GUC>.
02	09	57	44.3&	41.209	N	29.207	E	11				5	TURKEY. <ISK>. MD 2.7 (ISK).
02	10	39	50.1&	46.200	N	7.200	E	2				4	SWITZERLAND. <LDG>. ML 2.2 (LDG).
02	10	56	03.0&	31.861	S	71.900	W	39				6	NEAR COAST OF CENTRAL CHILE. <GUC>.
02	11	24	07.2&	36.839	N	121.298	W	7				28	CENTRAL CALIFORNIA. <GM-P>. Mw 4.0 (BRK). ML 3.9 (GM), 4.0 (BRK). Felt at Hollister. Moment Tensor (BRK): Dep 8; Principal axes (scale 10**15 Nm): (T) Val=1.00, Plg=1, Azm=299; (N) Val=0.00, Plg=77, Azm=207; (P) Val=-1.00, Plg=13, Azm=29; Best double couple: Mo=1.0*10**15 Nm; NP1: Strike=165, Dip=81, Slip=-170; NP2: Strike=73, Dip=80, Slip=-9.
02	11	36	58.4*	0.154	S	129.676	E	33	N	3.4	1.1	9	HALMAHERA, INDONESIA
02	11	39	14.6*	41.174	N	24.053	E	10	G		1.2	11	GREECE-BULGARIA BORDER REGION
02	11	42	48.1*	41.227	N	24.066	E	10	G		1.1	10	GREECE-BULGARIA BORDER REGION
02	12	02	44.3&	41.994	N	20.162	E	14				11	ALBANIA. <PDG>. ML 2.7 (PDG).
02	12	14	10.9	1.541	N	126.698	E	90	*	4.7	1.2	43	NORTHERN MOLUCCA SEA
02	12	22	53.0*	17.047	N	148.319	E	36	D	3.5	1.0	15	MARIANA ISLANDS REGION
02	12	51	16.9	23.650	S	66.590	W	200	G	4.3	1.0	40	JUJUY PROVINCE, ARGENTINA

02	12	51	33.9	47.263	N	9.384	E	10	G		1.1	23	GERMANY. ML 3.4 (VIE), 3.2 (FUR), 2.8 (STR).
02	12	58	40.5*	48.216	N	156.594	E	50	D	4.4	1.1	21	EAST OF KURIL ISLANDS
02	13	53	21.9*	6.955	N	72.892	W	150	G	3.8	0.9	10	NORTHERN COLOMBIA
02	14	11	49.2*	4.011	S	140.698	E	69	*	3.8	1.1	13	IRIAN JAYA, INDONESIA
02	15	43	08.3&	31.144	S	72.118	W	14				12	OFF COAST OF CENTRAL CHILE. <GUC>.
02	15	51	56.8*	5.304	N	126.872	E	45	*	4.1	1.2	18	MINDANAO, PHILIPPINE ISLANDS
02	16	24	08.6&	36.843	N	121.300	W	7				16	CENTRAL CALIFORNIA. <GM-P>. ML 3.4 (GM), 3.4 (BRK).
02	16	36	25.2	56.228	N	164.063	E	33	N	4.4	0.9	23	KOMANDORSKY ISLANDS REGION
02	16	41	56.5&	36.843	N	121.301	W	7				16	CENTRAL CALIFORNIA. <GM-P>. ML 3.3 (GM), 3.4 (BRK).
02	17	13	12.9&	63.274	N	151.155	W	11				26	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).
02	17	13	56.2&	33.873	S	70.306	W	107				11	CHILE-ARGENTINA BORDER REGION. <GUC>.
02	17	27	46.1*	37.077	N	141.680	E	33	N		0.5	7	NEAR EAST COAST OF HONSHU, JAPAN
02	17	37	14.3*	14.141	S	166.973	E	33	N	4.7	1.3	52	VANUATU ISLANDS. Felt on Espiritu Santo.
02	18	10	09.2*	11.395	S	166.780	E	76	?	4.2	1.0	19	SANTA CRUZ ISLANDS
02	18	10	38.6*	34.255	N	141.439	E	33	N		0.9	7	OFF EAST COAST OF HONSHU, JAPAN
02	18	33	27.8&	56.140	N	3.710	W	2				6	UNITED KINGDOM. <BGS>. ML 1.8 (BGS). Felt (II) at Dollar, Scotland.
02	18	45	38.0&	31.857	S	69.635	W	165				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
02	18	49	20.5&	43.100	N	0.600	W	2				4	PYRENEES. <LDG>. ML 2.0 (LDG).
02	18	52	42.2	29.695	S	178.790	W	230	D	5.4	0.8	194	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:52:42.7; Lat 29.59 S; Lon 178.38 W; Dep 206.3; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.07, Plg=29, Azm=208; (N) Val=-0.10, Plg=16, Azm=109; (P) Val=-1.97, Plg=56, Azm=353; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=335, Dip=22, Slip=-42; NP2: Strike=105, Dip=76, Slip=-107.
02	19	26	04.7&	34.264	S	70.463	W	101				11	CHILE-ARGENTINA BORDER REGION. <GUC>.
02	19	49	28.4	4.937	S	152.182	E	68		5.0	0.8	65	NEW BRITAIN REGION, P.N.G.
02	20	13	03.6	2.704	N	121.931	E	612		5.4	1.0	87	CELEBES SEA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:13:08.5; Lat 2.89 N; Lon 122.30 E; Dep 594.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.30, Plg=25, Azm=314; (N) Val=2.35, Plg=30, Azm=59; (P) Val=-8.66, Plg=49, Azm=191; Best double couple: Mo=7.5*10**16 Nm; NP1: Strike=359, Dip=34, Slip=-154; NP2: Strike=247, Dip=76, Slip=-59.
02	20	19	55.1*	18.337	S	175.363	W	250	G	4.2	0.8	15	TONGA ISLANDS
02	20	31	04.4&	43.370	N	5.400	E	1	G			14	NEAR SOUTH COAST OF FRANCE. <STR>. ML 2.4 (STR).
02	20	40	08.9	12.919	S	169.175	E	659	*	4.9	0.9	139	SANTA CRUZ ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:40:12.7; Lat 12.82 S; Lon 169.38 E; Dep 637.4; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=0.91, Plg=19, Azm=138; (N) Val=0.18, Plg=50, Azm=252; (P) Val=-1.10, Plg=34, Azm=34; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=181, Dip=51, Slip=-168; NP2: Strike=83, Dip=81, Slip=-39.
02	21	06	51.4	5.961	S	145.549	E	117		4.5	0.9	44	EASTERN NEW GUINEA REG., P.N.G.
02	21	18	32.7&	32.442	S	71.530	W	2				9	NEAR COAST OF CENTRAL CHILE. <GUC>.
02	21	50	19.8*	46.434	N	15.273	E	10	G		0.6	5	NORTHWESTERN BALKAN REGION. ML 1.9 (VIE).
02	23	57	29.4&	36.760	N	1.790	W	5				14	WESTERN MEDITERRANEAN SEA. <MDD>. mbLg 1.9 (MDD).
03	00	24	09.1&	36.676	N	68.972	E	33	N	3.7	1.0	7	HINDU KUSH REGION, AFGHANISTAN
03	00	30	30.8&	34.311	S	70.552	W	14				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
03	00	39	46.5&	45.800	N	7.100	E	2				5	NORTHERN ITALY. <LDG>. ML 2.1 (LDG).
03	02	01	36.6	8.192	N	125.914	E	42		4.9	1.2	66	MINDANAO, PHILIPPINE ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:01:36.3; Lat 7.92 N; Lon 126.27 E; Dep 24.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.17, Plg=16, Azm=207; (N) Val=0.49, Plg=56, Azm=90; (P) Val=-4.66, Plg=28, Azm=306; Best double couple: Mo=4.4*10**16 Nm; NP1: Strike=343, Dip=58, Slip=-9; NP2: Strike=78, Dip=82, Slip=-147.
03	02	07	28.8*	34.517	N	141.767	E	33	N	3.5	0.5	8	OFF EAST COAST OF HONSHU, JAPAN
03	02	33	40.9&	17.702	N	63.573	W	17				5	LEEWARD ISLANDS. <TRN>. MD 3.7 (TRN).
03	02	39	12.8*	16.971	S	70.336	W	129	*	4.3	1.5	20	SOUTHERN PERU
03	02	40	34.6&	32.090	S	70.231	W	114				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
03	03	05	18.4&	32.179	S	71.087	W	47				8	NEAR COAST OF CENTRAL CHILE. <GUC>.
03	03	25	52.0&	44.519	N	7.262	E	15				21	NORTHERN ITALY. <GEN>. ML 2.3 (GEN), 1.9 (STR), 1.8 (LDG).
03	03	37	10.8*	6.818	N	73.030	W	168	*	4.0	0.8	23	NORTHERN COLOMBIA
03	03	50	42.9?	27.89	S	65.79	E	10	G		1.1	7	SOUTH INDIAN OCEAN
03	04	17	22.5*	27.687	S	65.455	E	10	G	4.5	0.8	9	SOUTH INDIAN OCEAN
03	04	18	33.5?	6.69	N	73.06	W	175	?	3.8	1.2	15	NORTHERN COLOMBIA
03	04	30	55.2?	27.61	S	65.68	E	10	G	4.7	1.0	7	SOUTH INDIAN OCEAN
03	04	31	43.3?	20.37	S	168.67	E	33	N		1.3	9	LOYALTY ISLANDS
03	04	35	31.5?	27.70	S	65.88	E	10	G		1.0	9	SOUTH INDIAN OCEAN
03	04	36	00.6?	27.28	S	65.88	E	10	G		1.1	5	SOUTH INDIAN OCEAN
03	04	55	10.7?	27.58	S	65.81	E	10	G	4.5	1.3	11	SOUTH INDIAN OCEAN
03	05	04	16.4*	27.675	S	65.641	E	10	G	4.6	0.9	25	SOUTH INDIAN OCEAN
03	05	09	40.6?	27.57	S	65.69	E	10	G	4.6	1.5	6	SOUTH INDIAN OCEAN
03	05	29	22.4&	32.601	S	70.039	W	102				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
03	05	34	52.2?	27.59	S	65.74	E	10	G		1.0	7	SOUTH INDIAN OCEAN
03	05	49	42.4?	16.89	N	148.50	E	33	N	3.9	1.1	7	MARIANA ISLANDS REGION
03	06	01	21.4?	27.51	S	65.66	E	10	G		0.8	9	SOUTH INDIAN OCEAN
03	06	12	38.4*	27.636	S	65.667	E	10	G		0.8	15	SOUTH INDIAN OCEAN
03	06	19	06.9?	27.77	S	65.64	E	10	G	4.6	1.3	6	SOUTH INDIAN OCEAN
03	06	43	03.7	39.539	N	77.260	E	33	N	5.1 4.2	0.8	138	SOUTHERN XINJIANG, CHINA. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:43:06.6; Lat 39.47 N; Lon 77.30 E; Dep 31.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.78, Plg=13, Azm=144; (N) Val=-0.91, Plg=0, Azm=54; (P) Val=-2.87, Plg=77, Azm=324; Best double couple: Mo=3.3*10**16 Nm; NP1: Strike=234, Dip=32, Slip=-90; NP2: Strike=54, Dip=58, Slip=-90.

03	07	32	01.0?	27.95	S	65.73	E	10	G			1.2	6	SOUTH INDIAN OCEAN
03	07	34	46.9&	60.261	N	149.335	W	35					79	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.3 (AEIC).
03	07	52	44.9*	36.442	N	125.683	E	10	G			0.7	6	SOUTH KOREA. Felt at Asan, Sosan and Taejon.
03	07	58	21.1	39.716	N	140.760	E	38		5.7	5.7	0.8	361	EASTERN HONSHU, JAPAN. Mw 5.9 (GS), 5.8 (HRV). Eleven people slightly injured, items knocked from shelves (VI JMA) and power outages at Shizukuishi. Felt (IV JMA) in Akita; (III JMA) in Aomori, Miyagi, Niigata and Yamagata Prefectures. Landslides blocked two roads in the epicentral area. Moment Tensor (GS): Dep 5; Principal axes (scale 10**17 Nm): (T) Val=7.42, Plg=64, Azm=228; (N) Val=0.00, Plg=21, Azm=9; (P) Val=-7.42, Plg=15, Azm=105; Best double couple: Mo=7.4*10**17 Nm; NP1: Strike=222, Dip=35, Slip=128; NP2: Strike=358, Dip=63, Slip=67. Centroid, Moment Tensor (HRV): Centroid origin time 07:58:20.3; Lat 39.91 N; Lon 140.77 E; Dep 15.0 Bdy; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=5.97, Plg=62, Azm=208; (N) Val=1.14, Plg=28, Azm=21; (P) Val=-7.11, Plg=3, Azm=112; Best double couple: Mo=6.5*10**17 Nm; NP1: Strike=229, Dip=49, Slip=129; NP2: Strike=358, Dip=54, Slip=54. Scalar Moment (PPT): Mo=2.2*10**18 Nm.
03	08	10	24.3	39.739	N	140.726	E	33	N	4.3		1.0	24	EASTERN HONSHU, JAPAN
03	08	11	22.3?	45.22	N	14.40	E	5	G			0.3	6	NORTHWESTERN BALKAN REGION. ML 1.7 (LJU).
03	08	31	28.6&	39.614	N	29.284	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
03	09	00	01.7?	45.18	N	14.38	E	5	G			0.4	6	NORTHWESTERN BALKAN REGION. ML 1.8 (LJU).
03	09	46	22.1&	43.170	N	5.470	E	1	G				4	NEAR SOUTH COAST OF FRANCE. <STR>. ML 1.5 (STR).
03	09	48	23.1&	39.267	S	174.905	E	10	G			0.5	9	NORTH ISLAND, NEW ZEALAND. ML 3.9 (WEL).
03	10	07	11.0&	41.221	N	19.664	E	13					10	ALBANIA. <PDG>. ML 2.5 (PDG).
03	10	13	10.6	10.301	N	125.231	E	10	G	4.3		1.1	35	LEYTE, PHILIPPINE ISLANDS
03	10	17	00.6*	10.234	N	125.221	E	10	G	4.0		1.0	14	LEYTE, PHILIPPINE ISLANDS
03	10	37	08.2&	38.849	S	176.054	E	5	G			1.1	15	NORTH ISLAND, NEW ZEALAND. ML 4.5 (WEL). Felt at Taupo.
03	11	07	26.5	10.309	N	125.116	E	10	G	4.9	4.8	1.0	67	LEYTE, PHILIPPINE ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:07:29.1; Lat 10.39 N; Lon 125.06 E; Dep 42.9; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.11, Plg=7, Azm=346; (N) Val=-0.16, Plg=80, Azm=121; (P) Val=-0.95, Plg=7, Azm=255; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=30, Dip=80, Slip=180; NP2: Strike=120, Dip=90, Slip=10.
03	11	23	05.0&	43.714	N	147.183	E	33	N			1.3	7	KURIL ISLANDS
03	11	28	35.5&	44.330	N	7.450	E	2					8	NORTHERN ITALY. <STR>. ML 1.5 (STR).
03	11	28	45.2?	8.16	N	125.97	E	33	N	3.6		1.4	6	MINDANAO, PHILIPPINE ISLANDS
03	12	08	15.7&	31.067	S	71.455	W	18					10	NEAR COAST OF CENTRAL CHILE. <GUC>.
03	12	15	51.9?	5.30	S	151.38	E	33	N	4.3		0.7	7	NEW BRITAIN REGION, P.N.G.
03	12	23	43.7&	48.640	N	8.920	E	10	G				6	GERMANY. <STR>. ML 2.0 (STR).
03	12	25	38.3*	39.701	N	141.207	E	33	N	3.5		0.9	7	EASTERN HONSHU, JAPAN
03	12	51	24.4?	21.88	S	179.86	W	600	G	4.2		1.0	13	FIJI ISLANDS REGION
03	12	57	40.1*	39.632	N	141.067	E	33	N			0.7	6	EASTERN HONSHU, JAPAN
03	13	18	23.2	38.447	N	69.473	E	33	N	5.0	4.2	1.0	124	TAJIKISTAN. Felt (IV) at Dushanbe.
03	14	11	56.8	17.363	N	84.014	W	10	G	4.6	3.8	1.3	45	CARIBBEAN SEA
03	14	50	21.8&	39.132	N	27.096	E	5					6	TURKEY. <ISK>. MD 3.0 (ISK).
03	15	10	22.8&	17.940	N	66.330	W	8					9	PUERTO RICO REGION. <MPR>. MD 3.2 (MPR).
03	15	21	06.6&	41.718	N	28.045	E	10	G				6	TURKEY. <ISK>. MD 2.8 (ISK).
03	15	36	13.6&	43.632	N	7.834	E	8					32	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.7 (GEN), 2.6 (STR), 2.5 (LDG).
03	16	04	15.7	2.733	S	139.069	E	83	*	4.2		0.8	23	NEAR NORTH COAST OF IRIAN JAYA
03	16	41	24.9&	32.648	S	71.662	W	15					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
03	17	37	58.2	29.450	S	71.715	W	27	G	6.2	6.6	0.9	384	NEAR COAST OF CENTRAL CHILE. Mw 6.6 (HRV), 6.5 (GS). Me 6.4 (GS). Ms 6.5 (BRK). Two people injured at La Serena. Felt (VI) at Andacollo, Coquimbo, Hurtado, La Higuera, La Serena, Monte Patria, Paihuano, Punitaqui, Talahuen and Vicuna; (V) at Alto del Carmen, Combarbala and Ovalle; (IV) at Copiapo, El Palqui, Freirina, Huasco, Illapel, Los Molles, Salamanca, Tierra Amarilla and Vallenar; (III) at Caldera, Papudo, Quillota, Quintero and Valparaiso; (II) at Santiago. Felt (III) at San Juan and (II) at Mendoza, Argentina. Also felt at Cordoba, Argentina. Broadband Source Parameters (GS): Dep 27; NP1: Strike=215, Dip=70, Slip=100; NP2: Strike=8, Dip=22, Slip=64; Radiated energy 8.3*10**13 Nm. Moment Tensor (GS): Dep 28; Principal axes (scale 10**18 Nm): (T) Val=5.41, Plg=57, Azm=152; (N) Val=1.22, Plg=23, Azm=22; (P) Val=-6.64, Plg=23, Azm=282; Best double couple: Mo=6.0*10**18 Nm; NP1: Strike=336, Dip=30, Slip=40; NP2: Strike=210, Dip=71, Slip=114. Centroid, Moment Tensor (HRV): Centroid origin time 17:38:05.2; Lat 29.56 S; Lon 71.97 W; Dep 34.0 Bdy; Half-duration 4.5 sec; Principal axes (scale 10**18 Nm): (T) Val=7.65, Plg=56, Azm=128; (N) Val=0.12, Plg=14, Azm=16; (P) Val=-7.77, Plg=30, Azm=278; Best double couple: Mo=7.7*10**18 Nm; NP1: Strike=332, Dip=20, Slip=44; NP2: Strike=199, Dip=76, Slip=105. Scalar Moment (PPT): Mo=6.5*10**18 Nm.
03	17	40	29.9&	18.860	N	66.480	W	19					4	PUERTO RICO REGION. <MPR>. MD 2.6 (MPR).
03	18	00	33.9*	38.691	N	69.492	E	33	N	3.6		1.0	12	TAJIKISTAN
03	18	15	56.5	27.850	N	86.941	E	33	N	5.6		1.0	285	NEPAL. Felt at Kathmandu. Also felt at Dinggye and Tingri, Xizang.
03	18	22	19.2?	27.97	N	87.04	E	33	N			1.1	6	NEPAL
03	18	33	40.3*	5.325	N	126.568	E	33	N	4.0		0.8	10	MINDANAO, PHILIPPINE ISLANDS
03	18	42	56.1&	31.125	S	71.608	W	28					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
03	18	51	38.6*	27.650	N	86.802	E	33	N	4.4		1.2	13	NEPAL
03	19	28	23.4*	36.298	N	70.757	E	150	G	3.6		1.0	9	HINDU KUSH REGION, AFGHANISTAN
03	19	45	39.0&	42.010	N	19.154	E	5					6	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.7 (PDG).

03	20	14	37.1&	16.770	N	99.755	W	2				5	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).
03	20	22	04.3	51.682	N	174.578	W	52		4.9	1.0	129	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
03	20	46	35.3&	36.990	N	4.020	W	68				10	STRAIT OF GIBRALTAR. <MDD>.
03	20	53	25.6*	14.725	S	167.576	E	102	?	4.4	1.0	9	VANUATU ISLANDS
03	21	00	53.5	27.729	N	86.880	E	33	N	4.1	1.4	19	NEPAL
03	21	46	51.8*	35.497	N	141.218	E	33	N		1.3	5	NEAR EAST COAST OF HONSHU, JAPAN
03	22	22	10.3*	18.479	N	145.848	E	300	G	4.0	0.8	11	MARIANA ISLANDS
03	22	54	12.7*	29.496	S	72.341	W	33	N		0.8	15	OFF COAST OF CENTRAL CHILE
03	23	02	28.3*	27.600	N	86.733	E	33	N	4.6	0.7	51	NEPAL
03	23	02	36.6	32.031	N	131.540	E	33	N	4.6 4.7	1.4	40	KYUSHU, JAPAN
03	23	03	15.3	29.310	S	71.938	W	33	N	5.1 4.7	1.1	46	NEAR COAST OF CENTRAL CHILE
03	23	24	47.6	38.896	N	21.154	E	53		4.1	1.1	83	GREECE. MD 4.1 (PDG).
04	00	26	17.4*	36.434	N	68.759	E	64	D	4.3	1.0	16	HINDU KUSH REGION, AFGHANISTAN
04	00	36	17.9*	27.455	N	86.464	E	33	N	4.1	1.0	11	NEPAL
04	01	04	22.5?	50.06	N	29.23	W	10	G	3.8	1.2	9	NORTHERN MID-ATLANTIC RIDGE
04	01	10	18.4*	27.777	N	86.793	E	33	N	4.2	1.0	17	NEPAL
04	01	17	10.9	9.223	S	113.975	E	74		4.8	1.2	60	SOUTH OF JAWA, INDONESIA
04	01	37	40.3*	50.416	N	173.174	W	33	N	4.3	0.9	19	ANDREANOF ISLANDS, ALEUTIAN IS.
04	02	03	04.4?	32.72	N	103.93	E	33	N		0.9	6	SICHUAN, CHINA. ML 3.7 (BJI).
04	03	02	34.0&	43.340	N	7.340	W	15				6	SPAIN. <MDD>. mbLg 2.3 (MDD).
04	03	05	40.2*	36.663	N	71.425	E	225	D	3.3	1.4	11	AFGHANISTAN-TAJIKISTAN BORD REG.
04	03	31	54.3?	15.28	S	175.04	W	250	G	4.0	1.0	10	TONGA ISLANDS
04	04	10	57.2&	61.306	N	150.965	W	49				46	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.0 (PMR).
04	05	17	10.4&	32.658	S	71.640	W	14				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
04	05	30	59.0&	31.866	S	70.168	W	127				14	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
04	06	20	05.9&	42.800	N	2.500	E	2				5	PYRENEES. <LDG>. ML 2.2 (LDG).
04	06	25	40.7&	35.620	S	71.604	W	13				10	CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
04	06	27	47.3&	40.829	N	30.318	E	7				4	TURKEY. <ISK>. MD 2.8 (ISK).
04	07	02	01.6&	17.213	N	95.164	W	195				5	OAXACA, MEXICO. <UNM>. MD 3.8 (UNM).
04	07	39	59.1	51.679	N	16.138	E	5	G		0.6	23	POLAND. ML 4.0 (GRF), 3.7 (VIE), 3.6 (WAR).
04	07	56	40.0?	29.68	S	72.18	W	33	N		1.1	17	OFF COAST OF CENTRAL CHILE
04	10	25	10.3*	9.975	N	78.584	W	33	N	3.9	0.9	14	PANAMA. MD 4.3 (UPA).
04	10	40	52.5	23.772	N	121.448	E	33	N	4.7	1.4	61	TAIWAN. Felt (IV JMA) in the epicentral area and (III JMA) at Hua-lien.
04	11	32	26.2&	17.023	N	94.373	W	146				6	CHIAPAS, MEXICO. <UNM>. MD 3.8 (UNM).
04	11	32	53.6*	6.532	S	146.990	E	90	*		1.1	10	EASTERN NEW GUINEA REG., P.N.G.
04	11	37	54.7*	10.009	S	114.163	E	33	N	3.5	1.5	14	SOUTH OF BALI, INDONESIA
04	11	38	14.2&	40.737	S	173.921	E	100	G		0.6	13	COOK STRAIT, NEW ZEALAND
04	11	54	25.0	23.831	S	175.798	W	70	D	5.4	1.0	162	TONGA ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:54:25.6; Lat 23.91 S; Lon 175.21 W; Dep 42.6; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.40, Plg=12, Azm=350; (N) Val=-0.44, Plg=58, Azm=240; (P) Val=-0.96, Plg=30, Azm=86; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=124, Dip=60, Slip=-13; NP2: Strike=221, Dip=78, Slip=-150.
04	12	05	52.9?	44.39	N	128.93	W	10	G		0.5	30	OFF COAST OF OREGON
04	12	31	41.3&	37.480	N	1.660	W	8				7	SPAIN. <MDD>. mbLg 2.5 (MDD).
04	13	11	40.5&	36.540	N	3.150	W	0	G			8	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.6 (MDD).
04	13	14	02.5*	29.436	S	72.016	W	33	N		1.3	17	OFF COAST OF CENTRAL CHILE
04	14	05	47.5&	40.430	N	29.224	E	7				4	TURKEY. <ISK>. MD 2.5 (ISK).
04	14	11	42.4&	63.239	N	151.077	W	9				23	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.3 (PMR).
04	14	52	22.0&	38.790	N	117.970	W	16				13	NEVADA. <REN-P>. MD 3.0 (REN). ML 3.4 (GS).
04	15	56	03.7	31.924	S	69.198	W	125			0.8	28	SAN JUAN PROVINCE, ARGENTINA. MD 4.4 (GUC).
04	16	00	58.8*	25.546	S	179.614	E	500	G	4.1	1.2	27	SOUTH OF FIJI ISLANDS
04	16	23	02.3&	16.481	N	100.069	W	5				8	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.7 (UNM).
04	17	22	28.8&	42.800	N	1.400	E	2				34	PYRENEES. <LDG>. ML 3.4 (STR), 3.2 (LDG). mbLg 3.2 (MDD).
04	17	32	23.3&	42.800	N	1.400	E	2				5	PYRENEES. <LDG>. ML 2.3 (LDG).
04	17	38	48.6*	35.460	N	78.280	E	33	N	4.1	1.2	16	EASTERN KASHMIR
04	17	42	52.0*	23.802	S	179.907	E	550	G	4.4	0.7	27	SOUTH OF FIJI ISLANDS
04	17	46	53.2&	37.349	N	28.149	E	10	G			7	TURKEY. <ISK>. MD 3.0 (ISK).
04	18	05	54.4	5.316	S	101.898	E	33	N	4.6	1.1	33	SOUTHWEST OF SUMATERA, INDONESIA
04	18	11	27.4	5.388	S	145.217	E	110		4.5	1.0	38	EASTERN NEW GUINEA REG., P.N.G.
04	18	15	09.6*	5.678	S	101.907	E	33	N		0.8	8	SOUTHWEST OF SUMATERA, INDONESIA
04	20	08	38.0?	46.89	S	35.26	E	10	G	4.3	0.8	9	PRINCE EDWARD ISLANDS REGION
04	20	09	54.6&	63.069	N	150.607	W	122				79	CENTRAL ALASKA. <AEIC>.
04	20	33	09.0&	43.100	N	0.300	W	2				4	PYRENEES. <LDG>. ML 1.7 (LDG).
04	20	37	52.8?	17.17	S	178.97	W	500	G	3.9	1.0	16	FIJI ISLANDS REGION
04	21	16	13.7?	27.65	N	86.72	E	33	N		1.0	6	NEPAL
04	22	20	49.0*	46.220	N	13.474	E	10	G		0.7	8	AUSTRIA. ML 2.4 (VIE).
04	22	58	54.9&	8.266	N	82.868	W	0				12	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.1 (UPA).
04	23	23	01.4&	42.410	N	19.366	E	28				7	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.4 (PDG).
04	23	33	18.2&	16.426	N	99.996	W	4				21	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
04	23	46	58.0&	41.827	N	19.447	E	11				9	ALBANIA. <PDG>. ML 2.1 (PDG).
04	23	51	18.9	28.751	N	52.386	E	33	N	4.5	1.1	65	SOUTHERN IRAN. Felt at Firuzabad.
05	00	11	15.2&	46.400	N	2.600	E	2				6	FRANCE. <LDG>. ML 1.4 (LDG).
05	00	41	22.7?	5.16	S	145.13	E	33	N		0.6	5	EASTERN NEW GUINEA REG., P.N.G.
05	00	42	39.2	28.725	N	52.439	E	33	N	4.4	0.9	35	SOUTHERN IRAN. Felt at Firuzabad.
05	01	08	00.5	36.333	N	137.701	E	10	G	4.1	0.5	9	EASTERN HONSHU, JAPAN. Felt (II JMA) in northern Gifu and western Nagano; (I JMA) in parts of Ishikawa, Nagano and Toyama Prefectures.
05	01	43	27.1	54.555	S	143.749	E	10	G	4.9 5.3	0.9	44	WEST OF MACQUARIE ISLAND. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:43:33.0; Lat 54.69 S; Lon 143.85 E; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=3.25, Plg=9, Azm=42; (N) Val=-0.40, Plg=76, Azm=169; (P) Val=-2.85, Plg=11, Azm=310; Best double couple: Mo=3.0*10**17 Nm; NP1: Strike=87, Dip=76, Slip=-178; NP2: Strike=356, Dip=88, Slip=-14.
05	02	00	53.7&	36.480	N	3.160	W	8				6	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.9 (MDD).
05	02	17	51.9*	15.278	S	70.643	W	203	*	4.4	1.0	21	SOUTHERN PERU
05	02	48	37.0&	39.158	N	29.445	E	5				9	TURKEY. <ISK>. MD 2.9 (ISK).
05	03	02	01.7	36.317	N	137.678	E	10	G	4.5	1.4	26	EASTERN HONSHU, JAPAN. Felt (II JMA) in northern Gifu and

western Nagano; (I JMA) in parts of Nagano and Toyama Prefectures.

05	03	02	48.7*	54.640	S	143.687	E	10	G	4.4 4.9	1.5	20	WEST OF MACQUARIE ISLAND
05	03	05	35.2?	54.41	S	142.63	E	10	G	4.3	1.5	15	WEST OF MACQUARIE ISLAND
05	03	24	06.7*	0.792	N	28.252	W	10	G	4.3	0.8	14	CENTRAL MID-ATLANTIC RIDGE
05	03	50	31.7	0.187	S	125.284	E	47	*	4.8	1.2	63	SOUTHERN MOLUCCA SEA
05	03	58	30.5&	34.139	S	71.004	W	69				10	NEAR COAST OF CENTRAL CHILE. <GUC>.
05	04	06	11.3	23.088	S	66.733	W	202	*	4.4	1.1	59	JUJUY PROVINCE, ARGENTINA
05	04	09	23.8*	42.784	N	144.805	E	119	?	4.2	1.3	15	HOKKAIDO, JAPAN REGION. Felt (I JMA) in eastern Hokkaido.
05	04	22	05.7&	47.800	N	7.700	E	2				9	SWITZERLAND. <LDG>. ML 2.1 (LDG).
05	04	22	36.6&	35.734	S	71.544	W	107				11	CENTRAL CHILE. <GUC>.
05	04	41	46.8&	37.060	N	2.560	W	1				8	SPAIN. <MDD>. mbLg 2.1 (MDD).
05	05	16	17.2	6.646	S	155.209	E	37	D	5.5 5.7	1.1	237	SOLOMON ISLANDS. Mw 5.8 (GS), 5.8 (HRV). Moment Tensor (GS): Dep 31; Principal axes (scale 10**17 Nm): (T) Val=5.39, Plg=71, Azm=48; (N) Val=0.03, Plg=2, Azm=311; (P) Val=-5.42, Plg=19, Azm=221; Best double couple: Mo=5.4*10**17 Nm; NP1: Strike=307, Dip=27, Slip=85; NP2: Strike=132, Dip=64, Slip=93. Centroid, Moment Tensor (HRV): Centroid origin time 05:16:23.5; Lat 6.84 S; Lon 155.25 E; Dep 34.0 Bdy; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.70, Plg=74, Azm=53; (N) Val=-0.15, Plg=3, Azm=314; (P) Val=-6.55, Plg=16, Azm=223; Best double couple: Mo=6.6*10**17 Nm; NP1: Strike=310, Dip=29, Slip=85; NP2: Strike=135, Dip=61, Slip=93.
05	05	35	17.8	30.637	S	71.371	W	42	D	4.4	0.9	33	NEAR COAST OF CENTRAL CHILE. MD 4.6 (GUC).
05	06	01	38.8&	37.592	N	118.816	W	6				17	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.4 (BRK).
05	06	35	28.7&	33.741	S	71.192	W	50				7	NEAR COAST OF CENTRAL CHILE. <GUC>.
05	06	56	48.6&	54.560	N	162.326	W	53				13	ALASKA PENINSULA. <AEIC>. ML 2.7 (AEIC).
05	07	05	09.3&	45.943	N	14.893	E	10	G		0.1	5	NORTHWESTERN BALKAN REGION. ML 1.0 (LJU).
05	07	38	52.7&	32.290	S	71.335	W	48				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
05	07	47	04.7	60.231	S	26.638	W	33	N	4.7	1.1	41	SOUTH SANDWICH ISLANDS REGION
05	09	07	40.6&	44.799	N	7.158	E	12				17	NORTHERN ITALY. <GEN>. ML 2.4 (GEN), 2.1 (LDG).
05	09	27	06.8&	33.005	S	70.169	W	114				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
05	09	27	54.2&	16.697	N	98.784	W	16				18	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
05	09	59	10.2*	36.471	N	70.924	E	201	?	3.9	0.6	9	HINDU KUSH REGION, AFGHANISTAN
05	11	14	06.4&	59.867	N	153.239	W	121		3.3		114	SOUTHERN ALASKA. <AEIC>.
05	12	07	08.2&	44.529	N	7.442	E	17				11	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
05	12	07	11.5&	40.765	N	30.028	E	10	G			18	TURKEY. <ISK>. MD 3.2 (ISK).
05	12	09	32.9&	45.648	N	119.491	W	0				49	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.9 (SEA).
05	12	20	58.7&	37.888	N	29.284	E	10	G			4	TURKEY. <ISK>. MD 3.0 (ISK).
05	13	05	15.3	14.598	N	146.824	E	33	N	4.5	0.8	22	MARIANA ISLANDS
05	13	27	59.7&	32.528	S	70.772	W	86				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
05	13	56	47.5&	44.425	N	7.268	E	14				27	NORTHERN ITALY. <GEN>. ML 2.6 (GEN), 2.4 (LDG), 2.1 (STR).
05	14	16	27.7&	34.481	S	72.480	W	32				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
05	14	33	04.8&	44.320	N	7.215	E	1				11	NORTHERN ITALY. <GEN>. ML 2.4 (GEN).
05	14	39	20.8&	16.542	N	98.096	W	5				8	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
05	15	50	08.9	5.359	N	126.810	E	59	*	4.9	1.0	41	MINDANAO, PHILIPPINE ISLANDS
05	16	15	27.8?	45.43	N	26.24	E	150	G		0.5	6	ROMANIA
05	16	33	12.3?	44.45	N	129.75	W	10	G		0.6	61	OFF COAST OF OREGON
05	17	07	54.3*	5.368	N	126.558	E	100	G	4.1	1.3	13	MINDANAO, PHILIPPINE ISLANDS
05	17	09	31.4	4.051	S	152.041	E	192	D	5.5	0.9	170	NEW BRITAIN REGION, P.N.G. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:09:35.2; Lat 3.97 S; Lon 152.32 E; Dep 191.5; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.13, Plg=39, Azm=84; (N) Val=0.68, Plg=2, Azm=352; (P) Val=-3.81, Plg=51, Azm=259; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=191, Dip=6, Slip=-70; NP2: Strike=352, Dip=84, Slip=-92.
05	17	33	14.0?	31.29	N	138.12	E	400	G		1.1	9	SOUTH OF HONSHU, JAPAN
05	18	13	12.6&	14.126	N	61.273	W	75				6	WINDWARD ISLANDS. <TRN>. MD 3.9 (TRN).
05	18	30	22.9	39.494	N	138.419	E	33	N	4.5	0.9	28	EASTERN SEA OF JAPAN. Felt (I JMA) in western Akita, western Aomori and western Yamagata Prefectures, Honshu.
05	18	30	50.4&	60.146	N	153.760	W	154				26	SOUTHERN ALASKA. <AEIC>.
05	18	37	19.3*	44.293	N	11.712	E	10	G		0.9	14	NORTHERN ITALY. ML 3.0 (LDG).
05	18	58	19.9	12.232	S	167.156	E	314	*	4.4	0.9	52	SANTA CRUZ ISLANDS
05	19	23	28.1&	47.200	N	6.000	E	2				48	FRANCE. <LDG>. ML 2.9 (LDG), 2.9 (STR), 2.4 (FBB).
05	19	59	57.1?	21.15	S	179.15	W	600	G	4.6	1.1	13	FIJI ISLANDS REGION
05	20	46	55.4&	39.280	N	28.982	E	11				4	TURKEY. <ISK>. MD 2.8 (ISK).
05	22	20	16.5&	37.753	N	29.316	E	12				4	TURKEY. <ISK>. MD 3.0 (ISK).
05	22	21	45.7&	34.122	N	116.933	W	5				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
05	22	44	20.6?	12.46	N	90.64	W	33	N	3.4	1.0	8	OFF COAST OF CENTRAL AMERICA
05	22	59	57.2*	37.589	N	72.196	E	200	G	3.5	1.1	11	TAJIKISTAN
05	23	15	10.0&	32.676	S	68.732	W	9				13	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 4.1 (GUC).
05	23	47	29.3&	38.790	N	8.000	W	10				9	PORTUGAL. <MDD>. mbLg 2.4 (MDD).
05	23	48	04.1*	7.194	N	35.610	W	10	G	4.5	1.2	12	CENTRAL MID-ATLANTIC RIDGE
06	00	32	57.7	14.195	N	117.394	E	33	N	5.3 4.3	1.0	173	PHILIPPINE ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:32:54.8; Lat 14.37 N; Lon 117.25 E; Dep 15.0 Bdy; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.06, Plg=70, Azm=346; (N) Val=-0.17, Plg=12, Azm=221; (P) Val=-0.89, Plg=16, Azm=127; Best double couple: Mo=9.7*10**16 Nm; NP1: Strike=200, Dip=31, Slip=66; NP2: Strike=47, Dip=62, Slip=103.
06	00	57	03.9&	44.520	N	6.800	E	0				28	FRANCE. <GEN>. ML 2.5 (GEN), 2.4 (STR), 2.2 (LDG).
06	02	31	05.8	17.670	S	178.574	W	500	G	4.5	0.9	59	FIJI ISLANDS REGION
06	03	45	09.5&	33.903	S	71.377	W	47				8	NEAR COAST OF CENTRAL CHILE. <GUC>.
06	03	55	12.4*	46.268	N	136.204	E	455	?		0.9	8	NEAR SOUTHEAST COAST OF RUSSIA
06	04	34	06.5*	1.419	N	124.615	E	200	G	4.4	1.0	27	MINAHASSA PENINSULA, SULAWESI
06	05	00	46.5	4.441	S	153.425	E	117	*	4.5	0.8	34	NEW IRELAND REGION, P.N.G.
06	05	08	33.8	14.097	N	117.336	E	33	N	4.2	0.8	22	PHILIPPINE ISLANDS REGION
06	05	41	16.8*	38.391	N	72.983	E	100	G	3.2	1.1	11	TAJIKISTAN

06	06	15	22.0&	32.386	S	71.304	W	46					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
06	07	08	35.1	14.059	S	177.731	E	33	N	4.8	5.0	0.8	62	FIJI ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:08:40.7; Lat 13.62 S; Lon 178.22 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.26, Plg=1, Azm=296; (N) Val=-0.01, Plg=69, Azm=28; (P) Val=-1.25, Plg=21, Azm=205; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=342, Dip=75, Slip=-166; NP2: Strike=249, Dip=76, Slip=-16.
06	07	21	52.1*	4.517	S	153.687	E	100	G	4.1		0.9	15	NEW IRELAND REGION, P.N.G.
06	07	34	49.1&	35.756	N	121.263	W	1					5	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.8 (PAS).
06	07	50	34.8	5.472	N	126.729	E	62	*	4.5		1.0	44	MINDANAO, PHILIPPINE ISLANDS
06	07	57	35.4&	33.464	S	72.300	W	15					14	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC).
06	08	04	07.3&	33.496	S	72.286	W	15					11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
06	08	16	45.0&	36.204	S	72.308	W	23					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
06	08	25	51.3*	5.111	N	125.134	E	33	N			0.8	9	MINDANAO, PHILIPPINE ISLANDS
06	08	39	57.1*	0.785	N	121.666	E	33	N	4.7		1.4	13	MINAHASSA PENINSULA, SULAWESI
06	09	03	05.0*	32.586	S	71.312	W	33	N			1.3	12	NEAR COAST OF CENTRAL CHILE
06	09	09	02.3&	31.655	S	70.111	W	136					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
06	09	39	59.1&	33.480	S	72.287	W	11					12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
06	09	45	03.4&	32.718	S	71.502	W	27					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
06	10	03	18.2&	37.587	N	118.810	W	6					16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
06	10	07	37.8&	32.054	S	69.031	W	192					11	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.2 (GUC).
06	10	50	50.7*	40.344	N	127.335	W	10	G			0.7	12	OFF COAST OF NORTHERN CALIFORNIA. ML 3.3 (GS).
06	10	57	55.2&	41.290	N	7.020	W	8					8	PORTUGAL. <MDD>. mbLg 2.4 (MDD).
06	11	01	19.4&	44.380	N	7.150	E	10					8	NORTHERN ITALY. <GUC>. ML 2.0 (GEN).
06	12	31	54.5*	3.353	S	140.276	E	33	N	4.2		1.0	9	IRIAN JAYA, INDONESIA
06	12	34	50.2	43.478	N	127.356	W	10	G	4.0		0.6	102	OFF COAST OF OREGON
06	12	36	12.3*	40.314	N	127.357	W	10	G			0.8	18	OFF COAST OF NORTHERN CALIFORNIA. ML 3.7 (GS).
06	12	53	12.5&	34.556	S	72.397	W	24					7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
06	13	26	07.2*	40.754	N	120.164	E	33	N	4.1		1.4	14	NORTHEASTERN CHINA. Felt at Chaoyang, Jinzhou, Kuancheng, Suizhong, Xingcheng and Yi Xan.
06	13	48	50.3*	37.296	N	19.567	E	10	G	4.1		1.4	14	IONIAN SEA
06	15	21	42.2*	40.325	N	127.081	W	10	G			0.8	22	OFF COAST OF NORTHERN CALIFORNIA. ML 3.3 (GS).
06	15	28	10.1?	7.11	S	102.37	E	33	N			1.2	6	SOUTHWEST OF SUMATERA, INDONESIA
06	16	14	22.5&	48.200	N	2.800	W	2					6	FRANCE. <LDG>. ML 2.0 (LDG).
06	17	37	13.2&	44.396	N	7.504	E	11					10	NORTHERN ITALY. <GEN>. ML 2.3 (GEN).
06	17	38	54.6*	51.623	N	16.189	E	5	G			0.8	7	POLAND. ML 3.2 (VIE), 2.9 (WAR).
06	17	57	28.3	20.562	S	177.193	W	353	?	4.5		0.7	48	FIJI ISLANDS REGION
06	18	16	41.5	36.981	N	32.610	W	10	G	4.6	4.4	1.3	42	AZORES ISLANDS REGION
06	18	28	25.5*	3.932	S	128.436	E	33	N	4.1		1.3	10	SERAM, INDONESIA
06	19	45	04.7&	59.651	N	153.161	W	104					22	SOUTHERN ALASKA. <AEIC>.
06	19	53	04.6	4.223	S	142.108	E	116	*	3.8		1.0	15	NEW GUINEA, PAPUA NEW GUINEA
06	20	32	24.1&	39.281	N	29.275	E	5					8	TURKEY. <ISK>. MD 2.9 (ISK).
06	20	34	30.7	39.615	N	24.057	E	10	G	4.1		1.3	55	AEGEAN SEA. ML 3.9 (PDG).
06	20	47	55.8&	33.758	S	70.344	W	109					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.1 (GUC).
06	20	49	00.8	43.163	N	145.637	E	49	*	4.6		1.0	37	HOKKAIDO, JAPAN REGION. Felt (II JMA) in the Nemuro area and (I JMA) in other parts of eastern Hokkaido.
06	21	05	06.8	40.301	N	127.057	W	10	G			0.7	32	OFF COAST OF NORTHERN CALIFORNIA. ML 3.5 (GS).
06	21	08	57.4*	31.639	S	111.667	W	10	G	4.8	4.8	1.0	31	EASTER ISLAND REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:09:01.3; Lat 32.62 S; Lon 112.06 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.81, Plg=15, Azm=291; (N) Val=-0.29, Plg=58, Azm=176; (P) Val=-7.52, Plg=27, Azm=29; Best double couple: Mo=7.7*10**16 Nm; NP1: Strike=67, Dip=60, Slip=-10; NP2: Strike=162, Dip=82, Slip=-149.
06	21	18	46.8&	58.889	N	152.386	W	55					23	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
06	21	33	41.8*	18.058	S	178.075	W	600	G	4.6		1.1	33	FIJI ISLANDS REGION
06	21	35	39.4*	17.041	N	94.866	E	33	N	3.5		1.0	9	MYANMAR
06	21	35	49.4	27.859	N	86.895	E	33	N	4.6		1.0	37	NEPAL
06	22	15	08.9?	30.68	N	138.77	E	430	*	4.1		0.8	10	SOUTH OF HONSHU, JAPAN
06	22	17	08.7&	36.740	N	3.230	W	7					9	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
06	22	33	36.1&	17.986	N	98.790	W	17					7	GUERRERO, MEXICO. <UNM>. MD 3.5 (UNM).
06	22	44	27.7	39.714	N	13.660	E	450	G	3.8		0.9	22	TYRRHENIAN SEA
06	22	49	52.1&	36.358	N	119.935	W	20					10	CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM). ML 2.9 (PAS).
06	23	34	08.6?	24.01	S	179.65	E	600	G	4.3		0.7	19	SOUTH OF FIJI ISLANDS
06	23	58	51.4&	19.380	N	67.900	W	11					5	MONA PASSAGE. <MPR>. MD 3.3 (MPR).
07	00	23	02.1	32.347	S	111.950	W	10	G	5.3	5.1	0.9	111	SOUTHERN EAST PACIFIC RISE. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:23:09.8; Lat 32.48 S; Lon 112.05 W; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.70, Plg=8, Azm=305; (N) Val=0.05, Plg=80, Azm=161; (P) Val=-2.76, Plg=6, Azm=36; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=81, Dip=80, Slip=2; NP2: Strike=350, Dip=88, Slip=170.
07	00	39	30.2	36.240	S	97.711	W	10	G	5.2	5.7	1.1	137	WEST CHILE RISE. Mw 6.1 (GS), 6.1 (HRV). Moment Tensor (GS): Dep 11; Principal axes (scale 10**18 Nm): (T) Val=1.65, Plg=12, Azm=40; (N) Val=-0.01, Plg=76, Azm=183; (P) Val=-1.65, Plg=8, Azm=308; Best double couple: Mo=1.7*10**18 Nm; NP1: Strike=84, Dip=76, Slip=178; NP2: Strike=175, Dip=88, Slip=14. Centroid, Moment Tensor (HRV): Centroid origin time 00:39:34.8; Lat 36.34 S; Lon 97.83 W; Dep 15.0 Fix; Half-duration 2.5 sec; Principal axes (scale 10**18 Nm): (T) Val=1.43, Plg=8, Azm=48; (N) Val=-0.10, Plg=76, Azm=171; (P) Val=-1.33, Plg=12, Azm=316; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=92, Dip=76, Slip=-177; NP2: Strike=1, Dip=87, Slip=-14.
07	01	00	21.8&	59.599	N	152.724	W	84					87	SOUTHERN ALASKA. <AEIC>.
07	01	33	35.0%	38.928	S	177.149	E	33	N			0.7	10	NORTH ISLAND, NEW ZEALAND. ML 4.1 (WEL).
07	01	54	43.8	2.248	N	124.939	E	206	*	4.5		1.2	32	CELEBES SEA
07	02	08	50.3	51.559	N	16.297	E	5	G			0.8	16	POLAND. ML 3.6 (GRF), 3.6 (VIE), 3.3 (WAR).

07	02	30	04.0*	8.710	N	82.507	W	33	N	4.4		1.3	13	PANAMA-COSTA RICA BORDER REGION. MD 4.7 (UPA).
07	02	35	03.0	5.766	S	152.061	E	41	*	5.2	5.2	1.0	71	NEW BRITAIN REGION, P.N.G. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:35:02.8; Lat 6.20 S; Lon 152.27 E; Dep 17.8; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.93, Plg=59, Azm=314; (N) Val=-0.19, Plg=10, Azm=61; (P) Val=-1.74, Plg=29, Azm=156; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=273, Dip=18, Slip=124; NP2: Strike=58, Dip=75, Slip=80.
07	02	43	34.8	5.796	S	152.070	E	47	*	4.9		1.0	43	NEW BRITAIN REGION, P.N.G.
07	03	07	41.0	22.337	S	69.155	W	83	D	4.9		1.0	37	NORTHERN CHILE
07	04	10	00.9&	59.266	N	154.047	W	123					88	SOUTHERN ALASKA. <AEIC>.
07	06	53	17.9&	16.770	N	99.671	W	12					20	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.1 (UNM).
07	08	07	37.0&	60.145	N	151.557	W	78					65	KENAI PENINSULA, ALASKA. <AEIC>.
07	08	21	48.9*	16.314	S	173.978	W	33	N	4.5		0.9	29	TONGA ISLANDS
07	09	49	17.7&	33.986	S	70.411	W	111					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
07	10	34	54.3&	37.580	N	118.794	W	6					8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
07	10	44	39.0	30.270	N	88.129	E	33	N	4.7	4.3	1.1	55	XIZANG
07	10	48	57.7&	33.008	S	70.008	W	116					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
07	10	49	39.8&	39.651	N	33.968	E	14					16	TURKEY. <ISK>. MD 3.6 (ISK).
07	10	52	13.5	26.556	N	124.793	E	33	N	4.7		0.9	39	NORTHEAST OF TAIWAN
07	11	57	51.9&	35.295	S	71.225	W	87					11	CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
07	12	09	52.8&	34.264	S	71.929	W	10					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
07	12	31	05.7	36.885	N	71.500	E	112	D	4.7		0.8	58	AFGHANISTAN-TAJIKISTAN BORD REG.
07	12	48	20.4&	37.277	N	27.935	E	5					4	TURKEY. <ISK>. MD 3.0 (ISK).
07	12	50	04.2	25.048	S	176.577	W	33	N	4.9	4.5	1.1	69	SOUTH OF FIJI ISLANDS
07	12	55	26.2&	39.648	N	29.441	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
07	13	09	20.2&	31.799	S	69.349	W	150					10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.2 (GUC).
07	13	11	34.5&	42.306	N	19.188	E	12					7	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.5 (PDG).
07	13	18	44.9&	32.199	S	71.669	W	1					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
07	13	21	25.6&	42.600	N	0.900	E	2					7	PYRENEES. <LDG>. ML 2.7 (STR), 2.6 (LDG).
07	13	46	34.4	50.282	N	6.694	E	10	G			0.8	9	GERMANY. ML 2.8 (LDG).
07	14	29	32.8*	48.233	N	14.917	E	5	G			1.2	5	AUSTRIA. ML 2.0 (VIE).
07	14	47	41.7&	62.067	N	150.587	W	61					5	CENTRAL ALASKA. <AEIC>. ML 2.3 (AEIC), 2.8 (PMR).
07	14	57	10.5&	36.515	N	120.752	W	11					12	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
07	16	16	03.7&	31.500	S	69.127	W	182					12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.6 (GUC).
07	16	59	50.4&	60.092	N	153.114	W	121					45	SOUTHERN ALASKA. <AEIC>.
07	18	10	30.0&	40.301	S	176.281	E	33	N			0.8	13	NORTH ISLAND, NEW ZEALAND. ML 4.1 (WEL).
07	18	49	31.6&	34.063	S	70.101	W	8					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.1 (GUC).
07	19	24	48.0?	23.43	S	179.66	W	500	G	4.1		1.2	19	SOUTH OF FIJI ISLANDS
07	20	10	47.6&	40.812	N	36.209	E	7					9	TURKEY. <ISK>. MD 3.0 (ISK).
07	20	55	19.5	3.908	S	76.929	W	103	D	4.6		0.8	49	NORTHERN PERU
07	21	03	23.3?	5.28	S	102.76	E	33	N			1.5	9	SOUTHERN SUMATERA, INDONESIA
07	22	09	15.1	3.755	S	134.772	E	33	N	3.9		1.0	20	IRIAN JAYA REGION, INDONESIA
07	23	40	38.7	35.873	N	140.965	E	45	D	4.6		1.1	38	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in northern Chiba and (I JMA) in parts of Ibaraki and Tochigi Prefectures.
07	23	43	05.8&	38.484	N	26.742	E	9					41	AEGEAN SEA. <ISK>. MD 3.8 (ISK).
08	00	50	29.7&	59.876	N	152.863	W	101					25	SOUTHERN ALASKA. <AEIC>.
08	01	00	52.0*	9.873	N	126.582	E	33	N			1.2	7	MINDANAO, PHILIPPINE ISLANDS
08	01	01	28.6&	37.941	N	29.136	E	5					4	TURKEY. <ISK>. MD 2.8 (ISK).
08	01	41	24.9*	33.027	S	68.763	W	10	G			1.1	13	MENDOZA PROVINCE, ARGENTINA. MD 3.7 (GUC).
08	02	03	29.7	30.344	N	88.141	E	33	N	4.4		0.8	21	XIZANG
08	03	30	50.1&	37.896	N	29.153	E	9					4	TURKEY. <ISK>. MD 3.0 (ISK).
08	03	34	38.4*	39.978	N	39.377	E	10	G			0.9	11	TURKEY. MD 3.6 (ISK).
08	03	47	02.0&	45.000	N	6.700	E	2					9	FRANCE. <LDG>. ML 1.9 (LDG).
08	03	57	49.9	6.875	S	154.452	E	33	N	4.7	4.8	0.8	50	SOLOMON ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:57:52.4; Lat 6.89 S; Lon 154.57 E; Dep 33.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.40, Plg=68, Azm=23; (N) Val=0.02, Plg=5, Azm=124; (P) Val=-5.42, Plg=21, Azm=216; Best double couple: Mo=5.4*10**16 Nm; NP1: Strike=315, Dip=24, Slip=101; NP2: Strike=122, Dip=66, Slip=85.
08	04	36	28.1	20.067	N	120.853	E	39	D	4.2		1.0	22	PHILIPPINE ISLANDS REGION
08	04	44	08.0	2.003	S	137.336	E	33	N	4.6		1.1	34	IRIAN JAYA, INDONESIA
08	06	06	49.1&	42.207	N	19.102	E	10					7	NORTHWESTERN BALKAN REGION. <PDG>. ML 2.1 (PDG).
08	06	36	38.6&	14.803	N	92.456	W	170					7	NEAR COAST OF CHIAPAS, MEXICO. <UNM>. MD 4.2 (UNM).
08	07	16	27.1&	44.923	N	6.632	E	1					5	FRANCE. <GEN>. ML 1.9 (GEN).
08	07	35	30.0&	62.008	N	151.480	W	81					27	CENTRAL ALASKA. <AEIC>.
08	08	16	50.2&	34.410	S	72.184	W	2					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
08	09	10	03.0	13.257	N	144.007	E	141	D	5.8		0.9	285	MARIANA ISLANDS. Mw 5.8 (GS), 5.8 (HRV). Me 5.6 (GS). mb 6.1 (BRK). Felt throughout Guam. Broadband Source Parameters (GS): Dep 133; NP1: Strike=65, Dip=80, Slip=70; NP2: Strike=309, Dip=22, Slip=153; Radiated energy 5.0*10**12 Nm. Moment Tensor (GS): Dep 145; Principal axes (scale 10**17 Nm): (T) Val=6.44, Plg=55, Azm=350; (N) Val=0.03, Plg=21, Azm=227; (P) Val=-6.47, Plg=27, Azm=125; Best double couple: Mo=6.4*10**17 Nm; NP1: Strike=175, Dip=26, Slip=35; NP2: Strike=53, Dip=75, Slip=112. Centroid, Moment Tensor (HRV): Centroid origin time 09:10:07.4; Lat 13.15 N; Lon 144.10 E; Dep 142.6; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.13, Plg=54, Azm=348; (N) Val=-0.46, Plg=12, Azm=242; (P) Val=-5.67, Plg=34, Azm=143; Best double couple: Mo=5.9*10**17 Nm; NP1: Strike=193, Dip=16, Slip=41; NP2: Strike=64, Dip=80, Slip=102.
08	09	24	40.7&	37.585	N	118.792	W	5					7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
08	09	54	05.3&	34.057	S	70.073	W	6					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.0 (GUC).
08	09	58	03.3?	39.72	N	77.05	E	33	N	3.9		1.5	11	SOUTHERN XINJIANG, CHINA
08	10	16	30.9&	44.600	N	6.700	E	2					21	FRANCE. <LDG>. ML 2.3 (GEN), 2.2 (STR), 2.0 (LDG).
08	11	03	36.0*	17.878	S	172.870	W	33	N	4.2		0.2	12	TONGA ISLANDS REGION

08	12	00	29.5*	41.055	N	20.441	E	10	G			1.1	10	ALBANIA. ML 3.2 (PDG).
08	13	48	46.9	0.785	S	135.920	E	33	N	4.4		1.1	15	IRIAN JAYA REGION, INDONESIA
08	14	09	32.7*	62.714	S	145.306	E	10	G	4.0		0.7	9	SOUTH OF AUSTRALIA
08	14	40	56.0*	8.300	S	129.003	E	33	N	4.1		1.3	14	TIMOR SEA
08	15	53	56.2*	34.353	N	26.488	E	33	N			1.2	14	CRETE
08	16	19	54.2&	59.947	N	152.565	W	82					37	SOUTHERN ALASKA. <AEIC>.
08	16	54	09.0&	38.093	N	30.003	E	10	G				8	TURKEY. <ISK>. MD 3.2 (ISK).
08	17	06	49.4&	17.970	N	66.330	W	8					4	PUERTO RICO REGION. <MPR>. MD 2.6 (MPR).
08	18	48	43.7	8.150	S	129.137	E	33	N	4.7		1.2	47	TIMOR SEA
08	19	33	15.1*	51.396	N	15.926	E	5	G			1.1	17	POLAND. ML 3.4 (VIE), 3.4 (GRF).
08	20	06	21.8	6.955	S	129.642	E	55	*	4.3		0.8	30	BANDA SEA
08	21	02	07.2&	38.030	N	29.131	E	6					9	TURKEY. <ISK>. MD 3.2 (ISK).
08	21	18	37.2*	46.089	N	16.067	E	10	G			0.7	6	NORTHWESTERN BALKAN REGION. ML 2.6 (VIE).
08	21	19	08.7*	24.438	S	179.583	E	600	G	4.5		0.7	27	SOUTH OF FIJI ISLANDS
08	21	27	12.9&	31.214	S	69.194	W	164					10	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
08	21	37	07.8*	37.966	N	20.156	E	33	N	3.8		1.1	11	IONIAN SEA
08	21	39	21.3*	5.612	N	126.904	E	33	N	4.2		1.3	19	MINDANAO, PHILIPPINE ISLANDS
08	21	50	52.4*	5.461	N	126.495	E	69	*	4.1		0.9	14	MINDANAO, PHILIPPINE ISLANDS
08	22	02	52.7	5.418	N	126.379	E	81		4.6		0.9	33	MINDANAO, PHILIPPINE ISLANDS
08	22	10	52.9*	8.586	S	129.226	E	100	G	4.2		1.1	12	TIMOR SEA
08	22	19	57.9&	19.374	N	99.027	W	5					4	CENTRAL MEXICO. <UNM>. MD 3.2 (UNM).
08	23	00	14.6&	34.026	S	70.870	W	79					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
08	23	04	14.0*	3.755	S	153.927	E	426	*	4.3		0.8	14	NEW IRELAND REGION, P.N.G.
08	23	21	35.2*	19.804	N	109.310	W	10	G	4.5		1.1	34	REVILLA GIGEDO ISLANDS REGION
08	23	34	45.2&	58.020	N	156.684	W	0					16	ALASKA PENINSULA. <AEIC>. ML 2.9 (AEIC).
09	00	23	10.6&	37.979	N	29.501	E	10	G				5	TURKEY. <ISK>. MD 3.0 (ISK).
09	00	24	46.3&	32.606	S	70.284	W	96					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
09	01	01	47.9&	37.959	N	29.115	E	7					7	TURKEY. <ISK>. MD 3.0 (ISK).
09	01	22	10.5*	30.840	N	142.538	E	33	N	4.5		1.4	12	SOUTH OF HONSHU, JAPAN
09	01	27	57.0&	32.872	S	70.187	W	113					8	CHILE-ARGENTINA BORDER REGION. <GUC>.
09	01	28	44.3*	2.029	N	97.629	E	33	N	4.7		1.3	23	NORTHERN SUMATERA, INDONESIA
09	01	52	10.0*	56.101	S	27.051	W	33	N	4.4		1.1	12	SOUTH SANDWICH ISLANDS REGION
09	02	32	22.3&	36.980	N	2.290	W	17					9	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.1 (MDD).
09	03	52	41.7*	53.638	N	160.378	E	33	N	4.3		1.0	9	NEAR EAST COAST OF KAMCHATKA
09	04	19	56.0	44.176	N	11.257	E	10	G			1.0	25	NORTHERN ITALY. ML 2.9 (LDG).
09	04	20	02.4*	0.887	N	125.819	E	33	N	4.3		0.9	12	NORTHERN MOLUCCA SEA
09	05	20	31.0	6.804	N	73.028	W	164	D	4.0		0.9	45	NORTHERN COLOMBIA
09	05	52	11.7&	34.244	S	70.110	W	7					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
09	05	59	34.4&	58.867	N	154.212	W	94					57	ALASKA PENINSULA. <AEIC>.
09	06	20	14.3	40.023	N	15.942	E	10	G	3.5		0.9	30	SOUTHERN ITALY. ML 3.8 (PDG). MD 3.5 (ROM).
09	07	11	25.3?	19.07	N	145.90	E	200	G	4.2		1.1	10	MARIANA ISLANDS
09	08	48	08.7*	8.172	S	129.078	E	33	N	4.5		1.5	17	TIMOR SEA
09	08	55	16.5*	19.231	S	169.631	E	33	N	4.7		1.1	27	VANUATU ISLANDS
09	09	16	10.9	44.104	N	143.192	E	200	G	4.3		1.1	22	HOKKAIDO, JAPAN REGION
09	09	34	06.1&	45.570	N	3.220	E	2	G				4	FRANCE. <STR>. ML 1.7 (STR).
09	09	39	34.5?	19.21	S	168.96	E	33	N	4.2		0.8	13	VANUATU ISLANDS
09	09	51	06.3&	32.557	S	71.672	W	19					14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
09	09	51	55.2	17.410	N	94.075	W	200	G	4.1		1.3	31	CHIAPAS, MEXICO. MD 4.3 (UNM).
09	11	12	07.6&	35.430	N	2.760	W	15					19	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.7 (MDD).
09	11	14	58.7&	39.548	N	29.276	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
09	11	27	59.3	40.035	N	15.980	E	10	G	5.2	5.2	1.0	385	SOUTHERN ITALY. Mw 5.9 (CSEM), 5.6 (HRV), 5.5 (GS). Me 5.2 (GS). ML 5.5 (PDG). One person killed by falling rock, another person died from a heart attack, at least 12 people injured and many buildings damaged in the Castelluccio Inferiore-Lauria Inferiore area. Felt from Naples to Reggio di Calabria.
														Broadband Source Parameters (GS): Dep 10; Radiated energy 1.5*10**12 Nm.
														Moment Tensor (GS): Dep 9; Principal axes (scale 10**17 Nm): (T) Val=1.74, Plg=4, Azm=44; (N) Val=0.02, Plg=3, Azm=135; (P) Val=-1.76, Plg=85, Azm=267; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=131, Dip=41, Slip=-95; NP2: Strike=318, Dip=49, Slip=-86.
														Centroid, Moment Tensor (HRV): Centroid origin time 11:28:05.3; Lat 39.67 N Fix; Lon 16.07 E Fix; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=3.58, Plg=16, Azm=44; (N) Val=-0.65, Plg=4, Azm=313; (P) Val=-2.93, Plg=73, Azm=210; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=139, Dip=29, Slip=-83; NP2: Strike=311, Dip=61, Slip=-94.
														Moment Tensor (CSEM): Dep 15; Principal axes: (T) Plg=3, Azm=100; (N) Plg=25, Azm=9; (P) Plg=65, Azm=197; Best double couple: Mo=7.4*10**17 Nm; NP1: Strike=348, Dip=53, Slip=-122; NP2: Strike=214, Dip=47, Slip=-55.
09	11	33	32.7*	44.461	N	10.009	E	10	G			0.5	10	NORTHERN ITALY. ML 3.0 (LDG).
09	12	18	03.0&	32.084	S	70.720	W	105					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
09	12	52	51.5?	65.35	S	176.73	W	10	G	4.3		1.5	8	PACIFIC-ANTARCTIC RIDGE
09	12	58	30.0&	60.718	N	150.194	W	48					82	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC), 3.4 (PMR).
09	13	00	57.1	8.626	S	148.017	E	130		4.8		1.0	38	EASTERN NEW GUINEA REG., P.N.G.
09	13	01	23.4&	39.129	S	175.062	E	200	G			0.2	11	NORTH ISLAND, NEW ZEALAND
09	13	18	31.7&	39.006	N	27.535	E	10	G				4	TURKEY. <ISK>. MD 2.6 (ISK).
09	13	34	13.4	2.915	N	127.862	E	102	*	4.9		1.0	65	NORTHERN MOLUCCA SEA
09	14	24	58.0?	64.84	S	177.61	W	10	G	4.0		1.0	13	PACIFIC-ANTARCTIC RIDGE
09	14	29	07.3&	48.430	N	8.800	E	2					5	GERMANY. <STR>. ML 2.0 (STR).
09	14	44	32.3*	1.647	N	126.329	E	33	N	4.2		0.6	13	NORTHERN MOLUCCA SEA
09	14	48	37.0	29.302	S	71.682	W	33	N	5.0		1.1	37	NEAR COAST OF CENTRAL CHILE
09	14	48	41.2&	54.158	N	133.937	W	20		4.2			36	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 4.6 (PGC), 4.2 (PMR). Felt on Graham Island and at Langara Island Lighthouse.
09	15	28	45.3&	16.456	N	100.103	W	0					11	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
09	16	16	08.6	65.592	S	177.115	W	10	G	5.0	5.4	1.2	55	PACIFIC-ANTARCTIC RIDGE. Mw 5.8 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 16:16:13.9; Lat 65.77 S; Lon 177.30 W; Dep 15.0 Fix; Half-

duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=5.24, Plg=7, Azm=352; (N) Val=-0.54, Plg=65, Azm=97; (P) Val=-4.70, Plg=24, Azm=259; Best double couple: Mo=5.0*10**17 Nm; NP1: Strike=38, Dip=68, Slip=-167; NP2: Strike=303, Dip=78, Slip=-22.

09	16	51	43.6&	45.370	N	2.460	E	2	G			4	FRANCE. <STR>. ML 2.2 (STR).
09	17	00	29.8	8.114	S	156.097	E	33	N	4.6	0.9	32	SOLOMON ISLANDS
09	17	42	29.4*	3.306	S	129.436	E	33	N	4.6	1.1	22	SERAM, INDONESIA
09	18	58	10.0*	51.444	N	16.128	E	5	G		1.0	11	POLAND. ML 3.3 (VIE), 2.7 (CLL).
09	18	58	40.4*	40.159	N	143.091	E	38	D		1.2	11	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in southeastern Aomori and northern Iwate Prefectures.
09	19	03	44.6	29.023	N	129.278	E	33	N	4.1	0.9	17	RYUKYU ISLANDS
09	20	05	02.8&	32.280	S	71.356	W	42				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
09	20	49	13.8*	40.295	N	16.091	E	10	G	3.3	0.7	15	SOUTHERN ITALY. ML 3.2 (PDG).
09	21	42	41.5&	17.547	N	101.472	W	47				11	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
09	21	49	17.1*	5.234	N	126.436	E	33	N	4.3	1.2	24	MINDANAO, PHILIPPINE ISLANDS
09	22	12	48.9&	33.555	S	70.310	W	114				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
09	22	43	23.2	41.007	S	175.532	E	33	N		0.6	10	NORTH ISLAND, NEW ZEALAND. ML 3.7 (WEL).
09	23	03	54.3	51.290	N	178.719	E	33	N	4.4	1.0	41	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
09	23	18	10.2	51.216	N	178.755	E	33	N	4.3	1.1	37	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
09	23	24	46.2	34.764	N	26.032	E	33	N	4.1	1.1	33	CRETE
09	23	30	52.7	4.443	S	151.203	E	33	N	5.3 5.1	1.0	74	NEW BRITAIN REGION, P.N.G. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:30:55.6; Lat 4.31 S; Lon 151.13 E; Dep 18.2; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=0.83, Plg=23, Azm=350; (N) Val=0.22, Plg=66, Azm=170; (P) Val=-1.06, Plg=0, Azm=80; Best double couple: Mo=9.4*10**16 Nm; NP1: Strike=127, Dip=74, Slip=17; NP2: Strike=32, Dip=74, Slip=163.
09	23	56	24.4	4.504	S	151.149	E	33	N	5.1	0.9	65	NEW BRITAIN REGION, P.N.G.
10	00	00	17.6&	30.868	S	72.070	W	9				14	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
10	00	45	54.7*	5.612	N	126.848	E	33	N	4.1	1.5	10	MINDANAO, PHILIPPINE ISLANDS
10	01	03	38.9?	14.57	S	167.02	E	33	N		1.2	15	VANUATU ISLANDS
10	01	56	57.1?	18.80	N	145.48	E	200	G	4.0	0.7	10	MARIANA ISLANDS
10	02	02	43.7*	19.206	S	176.031	W	300	G	4.0	0.9	21	FIJI ISLANDS REGION
10	02	38	43.8?	19.11	S	169.24	E	33	N	4.1	1.1	11	VANUATU ISLANDS
10	03	02	20.3	51.662	N	16.165	E	5	G		0.8	26	POLAND. ML 4.0 (GRF), 3.7 (VIE).
10	03	22	55.7?	22.99	S	169.66	E	33	N	4.4	1.4	14	LOYALTY ISLANDS REGION
10	03	52	00.6	38.176	N	30.178	E	10	G		0.3	6	TURKEY
10	04	21	41.9	5.467	N	126.639	E	77		5.3	1.1	130	MINDANAO, PHILIPPINE ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:21:44.3; Lat 5.73 N; Lon 127.66 E; Dep 62.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.48, Plg=45, Azm=37; (N) Val=1.33, Plg=43, Azm=236; (P) Val=-5.80, Plg=9, Azm=137; Best double couple: Mo=5.1*10**16 Nm; NP1: Strike=188, Dip=52, Slip=30; NP2: Strike=79, Dip=67, Slip=138.
10	04	34	51.2&	17.960	N	66.330	W	8				5	PUERTO RICO REGION. <MPR>. MD 3.4 (MPR).
10	04	52	55.2&	17.970	N	66.320	W	2				5	PUERTO RICO REGION. <MPR>. MD 2.3 (MPR).
10	05	31	04.7&	7.979	N	83.165	W	10	G			5	OFF COAST OF COSTA RICA. <UPA>. MD 4.3 (UPA).
10	06	10	59.0&	17.950	N	66.320	W	3				9	PUERTO RICO REGION. <MPR>. MD 2.3 (MPR).
10	06	30	02.3&	34.463	S	70.640	W	105				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
10	06	39	32.8&	17.950	N	66.330	W	5				5	PUERTO RICO REGION. <MPR>. MD 2.5 (MPR).
10	06	46	07.9	22.531	N	120.860	E	60	*	4.4	0.8	20	TAIWAN
10	07	19	31.0	45.571	N	11.056	E	10	G		0.8	14	NORTHERN ITALY. ML 2.8 (VIE), 2.8 (LDG).
10	07	44	26.3	5.365	N	126.663	E	59	*	4.8	1.0	37	MINDANAO, PHILIPPINE ISLANDS
10	07	54	19.7?	38.61	S	177.09	E	100	G		1.1	13	NORTH ISLAND, NEW ZEALAND
10	08	20	38.8&	18.640	N	65.820	W	94				4	PUERTO RICO REGION. <MPR>. MD 2.9 (MPR).
10	09	35	17.0&	32.200	S	71.467	W	50				11	NEAR COAST OF CENTRAL CHILE. <MPR>. MD 3.4 (MPR).
10	09	40	39.2*	9.534	S	159.574	E	33	N	4.0	1.3	14	SOLOMON ISLANDS
10	09	51	24.5	20.028	S	70.378	W	33	N	4.9 4.6	0.8	50	NEAR COAST OF NORTHERN CHILE. Mw 5.3 (HRV). Felt (III) at Iquique and (II) at Arica. Centroid, Moment Tensor (HRV): Centroid origin time 09:51:29.0; Lat 20.24 S; Lon 71.11 W; Dep 27.9; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.10, Plg=63, Azm=85; (N) Val=0.02, Plg=1, Azm=178; (P) Val=-1.12, Plg=27, Azm=269; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=3, Dip=18, Slip=95; NP2: Strike=178, Dip=72, Slip=88.
10	10	09	31.9?	20.24	S	71.18	W	33	N		1.4	5	OFF COAST OF NORTHERN CHILE
10	10	50	42.7*	17.442	S	178.942	W	600	G	4.3	1.0	34	FIJI ISLANDS REGION
10	12	12	04.0&	17.058	N	100.594	W	13				9	GUERRERO, MEXICO. <UNM>. MD 3.7 (UNM).
10	12	15	18.8?	38.27	S	176.09	E	200	G		0.2	13	NORTH ISLAND, NEW ZEALAND
10	12	46	05.1&	39.149	N	27.671	E	10				4	TURKEY. <ISK>. MD 2.6 (ISK).
10	13	06	22.0*	7.531	S	128.290	E	150	G	4.1	1.3	14	BANDA SEA
10	13	09	40.0&	32.758	S	70.289	W	104				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
10	13	23	29.2&	32.085	S	70.293	W	125				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
10	13	49	59.5*	3.250	S	129.154	E	10	G	4.2	1.2	19	SERAM, INDONESIA
10	15	41	47.6&	40.780	N	0.490	W	8				19	SPAIN. <MDD>. mbLg 3.0 (MDD). ML 3.0 (LDG).
10	15	43	09.7&	33.286	N	116.198	W	3				24	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). MD 3.1 (ECX).
10	16	00	25.5&	60.117	N	153.400	W	144				24	SOUTHERN ALASKA. <AEIC>.
10	16	37	15.6	37.269	N	71.892	E	150	G	4.5	0.7	58	AFGHANISTAN-TAJIKISTAN BORD REG.
10	16	57	37.7*	41.919	N	23.534	E	10	G		0.4	5	GREECE-BULGARIA BORDER REGION
10	17	04	03.6&	16.943	N	99.108	W	4				9	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.8 (UNM).
10	18	13	35.0*	6.226	N	126.112	E	150		4.0	1.1	23	MINDANAO, PHILIPPINE ISLANDS
10	18	13	40.7&	43.100	N	0.400	W	2				7	PYRENEES. <LDG>. ML 2.1 (LDG), 2.1 (STR).
10	18	31	39.0	20.120	S	70.566	W	70	*	4.6	1.1	48	NEAR COAST OF NORTHERN CHILE
10	18	44	28.4*	35.980	N	142.100	E	33	N	3.8	0.9	14	OFF EAST COAST OF HONSHU, JAPAN
10	19	06	31.6*	65.736	S	178.145	W	10	G	4.5 5.1	1.5	24	PACIFIC-ANTARCTIC RIDGE. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:06:33.8; Lat 65.68 S; Lon 177.06 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.08, Plg=5, Azm=11; (N) Val=-0.05, Plg=82, Azm=247;

(P) Val=-1.03, Plg=7, Azm=102; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=147, Dip=82, Slip=-1; NP2: Strike=237, Dip=89, Slip=-172.

10	19	21	49.3&	53.715	N	165.509	W	19				12	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.0 (AEIC).
10	20	03	35.9	42.180	N	23.389	E	10	G		0.8	6	BULGARIA
10	20	08	25.9*	45.148	N	151.434	E	33	N	4.7	1.1	34	KURIL ISLANDS
10	20	41	27.1&	45.400	N	6.700	E	2				28	FRANCE. <LDG>. ML 2.4 (GEN), 2.2 (LDG).
10	21	39	13.9?	8.36	S	129.08	E	33	N	4.2	1.3	10	TIMOR SEA
10	21	56	41.7&	44.662	N	121.138	W	3				11	OREGON. <SEA-P>. MD 2.9 (SEA).
10	22	31	47.3*	46.292	N	13.528	E	10	G		0.8	8	AUSTRIA. ML 2.3 (VIE), 1.7 (LJU).
10	22	49	12.7*	4.778	S	152.947	E	33	N	4.5	0.9	16	NEW BRITAIN REGION, P.N.G.
10	22	57	16.9	27.199	N	88.341	E	33	N	4.7	1.4	32	SIKKIM, INDIA. Felt in the Ilam area, Nepal.
10	23	12	31.4&	59.392	N	152.841	W	78				24	SOUTHERN ALASKA. <AEIC>.
10	23	56	19.2&	39.447	N	28.073	E	10	G			5	TURKEY. <ISK>. MD 2.9 (ISK).
11	00	54	47.8*	6.097	S	150.489	E	33	N	4.6	1.4	30	NEW BRITAIN REGION, P.N.G.
11	00	55	20.0*	6.097	S	150.602	E	33	N		1.0	18	NEW BRITAIN REGION, P.N.G.
11	01	22	31.3&	34.981	S	71.211	W	95				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
11	01	41	17.8&	17.970	N	66.330	W	9				4	PUERTO RICO REGION. <MPR>. MD 2.5 (MPR).
11	01	51	38.6&	33.436	S	70.173	W	11				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
11	03	13	29.3&	57.725	N	155.467	W	97				19	ALASKA PENINSULA. <AEIC>.
11	03	14	42.8?	22.76	S	170.25	E	33	N	4.2	1.4	19	LOYALTY ISLANDS REGION
11	03	32	41.9*	43.617	N	127.196	W	10	G		0.4	44	OFF COAST OF OREGON
11	04	07	48.7&	19.367	N	98.767	W	1				5	CENTRAL MEXICO. <UNM>. MD 3.5 (UNM).
11	04	13	58.8	45.641	N	15.545	E	10	G		0.7	6	NORTHWESTERN BALKAN REGION. ML 1.7 (LJU), 1.7 (ZAG).
11	04	26	15.8&	43.360	N	5.480	E	1	G			19	NEAR SOUTH COAST OF FRANCE. <STR>. ML 3.4 (STR).
11	05	24	42.5	30.676	S	71.231	W	33	N	4.9 4.4	1.0	70	NEAR COAST OF CENTRAL CHILE. Mw 5.1 (HRV). MD 4.9 (GUC). Felt (IV) at Combarbala, Ovalle and Punitaqui; (III) at Coquimbo, Illapel and La Serena. Centroid, Moment Tensor (HRV): Centroid origin time 05:24:50.0; Lat 30.46 S; Lon 71.55 W; Dep 37.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.70, Plg=62, Azm=175; (N) Val=-2.02, Plg=27, Azm=5: (P) Val=-3.68, Plg=4, Azm=273; Best double couple: Mo=4.7*10**16 Nm; NP1: Strike=337, Dip=47, Slip=52; NP2: Strike=207, Dip=55, Slip=124.
11	05	44	14.3	18.243	N	146.401	E	85	*	4.7	0.8	73	MARIANA ISLANDS
11	05	53	56.7	38.868	N	70.268	E	77	*	4.4	1.1	31	AFGHANISTAN-TAJIKISTAN BORD REG.
11	06	44	10.3	38.847	N	70.204	E	66	*	4.4	1.0	32	AFGHANISTAN-TAJIKISTAN BORD REG.
11	06	59	20.5&	31.168	S	71.512	W	49				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
11	07	16	45.8*	6.726	S	128.132	E	268	*	4.8	0.9	22	BANDA SEA
11	07	21	28.5&	42.425	N	18.767	E	9				10	NORTHWESTERN BALKAN REGION. <PDG>. ML 2.6 (PDG).
11	07	40	42.2*	40.895	N	19.971	E	10	G		0.6	9	ALBANIA. ML 3.2 (PDG).
11	07	42	34.8*	23.915	S	179.768	W	550	G	4.5	1.1	33	SOUTH OF FIJI ISLANDS
11	08	07	38.5*	24.089	N	122.487	E	33	N	4.2	0.3	8	TAIWAN REGION
11	08	33	12.6&	33.721	S	69.999	W	0				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
11	09	24	58.4*	39.632	N	74.759	E	33	N	3.8	0.9	11	SOUTHERN XINJIANG, CHINA
11	09	25	22.2&	37.578	N	118.783	W	9				43	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.3 (BRK).
11	09	46	45.7*	5.144	N	126.555	E	33	N		1.0	8	MINDANAO, PHILIPPINE ISLANDS
11	10	35	55.8&	16.923	N	99.692	W	59				8	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).
11	10	54	11.4&	34.346	S	70.240	W	9				10	CHILE-ARGENTINA BORDER REGION. <GUC>.
11	10	55	08.1	38.263	N	75.635	E	140	D	4.2	1.0	25	SOUTHERN XINJIANG, CHINA
11	11	28	48.7&	44.667	N	7.166	E	10				27	NORTHERN ITALY. <GEN>. ML 2.4 (GEN), 2.2 (LDG), 2.0 (STR).
11	11	57	40.5&	18.560	N	66.860	W	7				6	PUERTO RICO REGION. <MPR>. MD 2.6 (MPR).
11	12	33	18.8&	63.830	N	149.011	W	113				73	CENTRAL ALASKA. <AEIC>.
11	12	39	36.2*	84.439	N	3.786	E	10	G	4.0	1.5	8	NORTH OF SVALBARD
11	12	57	52.8?	59.05	S	27.97	W	100	G	4.2	1.1	13	SOUTH SANDWICH ISLANDS REGION
11	12	58	07.1&	31.764	S	71.701	W	17				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
11	13	17	22.7?	23.66	S	179.85	W	450	G	4.2	0.7	13	SOUTH OF FIJI ISLANDS
11	13	56	40.2&	31.227	S	71.505	W	30				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
11	14	23	51.5&	60.826	N	150.013	W	47				3	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.4 (AEIC), 2.8 (PMR).
11	14	38	42.6&	37.388	N	118.689	W	12				52	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.8 (BRK). MD 3.9 (GM). ML 4.2 (BRK), 4.1 (GS). Moment Tensor (BRK): Dep 11; Principal axes (scale 10**14 Nm): (T) Val=5.80, Plg=13, Azm=289; (N) Val=0.00, Plg=77, Azm=122; (P) Val=-5.80, Plg=3, Azm=20; Best double couple: Mo=5.8*10**14 Nm; NP1: Strike=334, Dip=83, Slip=169; NP2: Strike=65, Dip=79, Slip=7.
11	14	59	32.0&	13.941	N	60.469	W	30				13	WINDWARD ISLANDS. <FDF>. MG 3.4 (FDF).
11	16	32	36.0&	34.053	S	70.095	W	9				10	CHILE-ARGENTINA BORDER REGION. <GUC>.
11	16	39	05.4&	9.274	N	79.040	W	65				5	PANAMA. <UPA>. MD 3.7 (UPA). Felt (III) at Panama City.
11	16	52	50.7*	25.221	N	128.305	E	33	N	4.5	1.0	25	RYUKYU ISLANDS
11	17	27	43.7	14.107	N	117.371	E	33	N	4.0	1.2	17	PHILIPPINE ISLANDS REGION
11	18	00	35.9?	5.53	N	125.95	E	141	*	3.9	0.8	10	MINDANAO, PHILIPPINE ISLANDS
11	19	09	32.7*	52.132	N	175.939	W	94		4.1	0.8	12	ANDREANOF ISLANDS, ALEUTIAN IS.
11	19	39	53.2&	35.149	S	70.405	W	164				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
11	19	58	18.6	9.750	N	126.057	E	59	*	4.6	1.1	54	MINDANAO, PHILIPPINE ISLANDS
11	20	41	10.0*	17.522	S	178.818	W	600	G	4.2	0.5	14	FIJI ISLANDS REGION
11	22	29	40.0*	52.138	N	177.563	W	33	N	4.2	1.1	9	ANDREANOF ISLANDS, ALEUTIAN IS.
11	23	33	03.4&	32.302	S	71.095	W	55				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
11	23	36	57.0&	31.611	S	69.967	W	163				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.5 (GUC).
11	23	58	54.4*	7.408	S	128.304	E	109	?	4.6	1.2	31	BANDA SEA
12	00	25	25.9&	32.660	S	70.093	W	116				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
12	00	53	57.7&	37.341	N	118.319	W	16				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
12	01	55	02.9&	55.650	N	160.032	W	6				14	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
12	02	13	05.7&	33.851	S	70.521	W	15				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
12	02	34	32.6&	18.480	N	68.620	W	179				8	MONA PASSAGE. <MPR>. MD 3.6 (MPR).
12	02	39	34.7&	17.960	N	66.330	W	7				5	PUERTO RICO REGION. <MPR>. MD 2.2 (MPR).
12	02	46	57.5&	17.970	N	66.310	W	4				5	PUERTO RICO REGION. <MPR>. MD 2.4 (MPR).
12	02	55	50.1	46.866	N	150.869	E	201	D	4.9	0.9	179	KURIL ISLANDS
12	03	09	07.7&	41.853	N	19.781	E	17				10	ALBANIA. <PDG>. ML 2.2 (PDG).
12	03	31	49.9&	17.950	N	66.330	W	8				6	PUERTO RICO REGION. <MPR>. MD 2.5 (MPR).
12	03	55	35.5*	2.940	N	97.317	E	33	N	4.2	0.8	9	NORTHERN SUMATERA, INDONESIA

12	03	58	38.0&	37.720	N	2.120	W	15				9	SPAIN. <MDD>. mbLg 1.6 (MDD).
12	04	13	24.6&	17.940	N	66.320	W	6				9	PUERTO RICO REGION. <MPR>. MD 3.2 (MPR).
12	04	28	48.2&	42.900	N	0.200	E	5				4	PYRENEES. <LDG>. ML 1.8 (LDG).
12	04	50	13.0&	31.982	S	71.586	W	43				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
12	05	08	52.1*	27.852	N	86.900	E	33	N	4.2	1.4	19	NEPAL
12	05	30	20.9&	45.400	N	6.700	E	2				4	FRANCE. <LDG>. ML 1.7 (LDG).
12	06	34	43.8*	8.580	S	147.913	E	130		4.1	1.0	21	EASTERN NEW GUINEA REG., P.N.G.
12	06	46	43.7&	41.293	N	19.517	E	10				10	ALBANIA. <PDG>. ML 2.6 (PDG).
12	06	53	03.8*	24.543	N	122.307	E	33	N		1.0	6	TAIWAN REGION
12	07	03	56.7&	38.070	N	6.900	W	11				19	SPAIN. <MDD>. mbLg 2.8 (MDD).
12	08	02	34.3&	44.270	N	7.359	E	15				6	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
12	08	05	10.1&	39.576	N	29.510	E	10	G			5	TURKEY. <ISK>. MD 2.7 (ISK).
12	08	47	33.8&	44.629	N	9.892	E	3				24	NORTHERN ITALY. <GEN>. ML 2.7 (LDG), 2.5 (GEN).
12	08	51	45.3&	37.626	N	37.554	E	5				6	TURKEY. <ISK>. MD 3.3 (ISK).
12	09	03	48.3	24.512	S	67.119	W	187	D	5.1	1.3	179	CHILE-ARGENTINA BORDER REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:03:52.8; Lat 24.32 S; Lon 67.00 W; Dep 185.1; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.50, Plg=20, Azm=78; (N) Val=-0.13, Plg=24, Azm=339; (P) Val=-2.37, Plg=58, Azm=204; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=202, Dip=33, Slip=-42; NP2: Strike=329, Dip=69, Slip=-116.
12	09	09	43.0&	40.067	N	34.628	E	6				8	TURKEY. <ISK>. MD 3.1 (ISK).
12	09	48	07.7	44.112	N	12.498	E	10	G		1.1	22	NORTHERN ITALY. ML 3.1 (LDG), 2.6 (LJU).
12	10	40	31.8*	2.842	S	126.299	E	94	?	4.4	1.2	24	CERAM SEA
12	10	41	49.7	2.832	S	126.320	E	72	*	5.0	1.2	49	CERAM SEA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:41:46.4; Lat 3.33 S; Lon 126.38 E; Dep 82.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.54, Plg=46, Azm=170; (N) Val=1.29, Plg=35, Azm=307; (P) Val=-9.82, Plg=23, Azm=54; Best double couple: Mo=9.2*10**16 Nm; NP1: Strike=189, Dip=39, Slip=158; NP2: Strike=297, Dip=76, Slip=53.
12	10	58	04.2	14.233	S	72.615	W	91	D	5.3	1.0	181	CENTRAL PERU. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:58:11.1; Lat 14.29 S; Lon 72.80 W; Dep 101.1; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.93, Plg=16, Azm=228; (N) Val=-0.12, Plg=11, Azm=321; (P) Val=-2.81, Plg=71, Azm=84; Best double couple: Mo=2.9*10**17 Nm; NP1: Strike=303, Dip=31, Slip=-111; NP2: Strike=147, Dip=61, Slip=-78.
12	11	10	47.7&	59.411	N	153.495	W	113				31	SOUTHERN ALASKA. <AEIC>.
12	11	45	56.7?	35.63	S	101.04	W	10	G	4.6	1.1	11	SOUTHERN PACIFIC OCEAN
12	12	40	54.3?	30.88	S	178.48	W	33	N	4.4	1.3	23	KERMADEC ISLANDS, NEW ZEALAND
12	13	17	52.0&	39.289	N	29.125	E	6				4	TURKEY. <ISK>. MD 2.8 (ISK).
12	13	56	44.3&	47.900	N	2.600	W	2				5	FRANCE. <LDG>. ML 1.8 (LDG).
12	14	14	42.6*	34.454	S	179.240	W	33	N	4.6	1.5	33	SOUTH OF KERMADEC ISLANDS
12	14	53	56.4&	61.923	N	148.104	W	34				19	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
12	15	35	46.4&	63.517	N	150.769	W	12				24	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.1 (PMR).
12	16	21	21.9&	31.089	S	71.079	W	118				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
12	16	43	13.3&	36.557	N	121.148	W	8				15	CENTRAL CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.2 (BRK).
12	16	56	08.7	44.418	N	149.635	E	33	N	4.9	1.1	72	KURIL ISLANDS
12	18	14	41.1?	30.61	S	179.45	W	400	G	4.0	0.9	21	KERMADEC ISLANDS REGION
12	18	23	14.5	19.561	N	147.393	E	33	N	4.6 3.5	0.8	52	MARIANA ISLANDS REGION
12	19	02	42.4?	38.05	S	176.82	E	200	G		0.4	9	NORTH ISLAND, NEW ZEALAND
12	19	30	27.1*	51.509	N	16.062	E	5	G		0.3	7	POLAND. ML 3.0 (VIE), 2.6 (WAR).
12	19	51	43.7	19.604	N	147.651	E	33	N	4.3	1.0	26	MARIANA ISLANDS REGION
12	20	20	44.7?	6.62	S	129.95	E	150	G	4.0	1.4	7	BANDA SEA
12	20	28	34.4&	32.332	S	71.150	W	60				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.6 (GUC).
12	21	31	29.0&	32.410	S	71.410	W	38				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
12	21	42	07.8?	31.22	S	68.73	W	150	G		0.9	13	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (GUC).
12	21	51	56.7&	18.010	N	66.330	W	7				4	PUERTO RICO REGION. <MPR>. MD 2.3 (MPR).
12	22	16	19.4&	30.974	S	71.378	W	27				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
12	22	19	50.4&	33.138	S	71.747	W	13				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
12	22	22	02.5&	33.124	S	71.774	W	15				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
12	23	07	33.5*	39.812	N	143.504	E	33	N	4.5	0.9	8	OFF EAST COAST OF HONSHU, JAPAN
12	23	18	04.0	52.216	N	164.558	W	33	N	4.6	1.0	50	SOUTH OF ALASKA
12	23	59	33.2&	9.819	N	79.345	W	30				4	PANAMA. <UPA>. MD 3.2 (UPA).
13	00	10	12.3	10.264	S	161.058	E	80	D	4.7	1.1	32	SOLOMON ISLANDS
13	00	13	47.5*	19.520	N	147.571	E	33	N	4.0	0.4	11	MARIANA ISLANDS REGION
13	00	14	38.3*	24.012	N	96.001	E	33	N	4.6	1.4	24	MYANMAR
13	00	27	06.6&	41.205	N	27.532	E	10	G			4	TURKEY. <ISK>. MD 2.8 (ISK).
13	01	39	58.7&	40.303	N	25.996	E	8				14	AEGEAN SEA. <ISK>. MD 3.2 (ISK).
13	01	47	41.4&	32.782	S	71.804	W	0				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
13	02	09	31.5&	46.100	N	7.900	E	2				27	SWITZERLAND. <LDG>. ML 2.3 (LDG), 2.3 (STR).
13	02	36	09.6*	17.588	S	178.909	W	550	G	4.6	0.7	20	FIJI ISLANDS REGION
13	02	47	07.1&	34.387	S	71.995	W	35				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
13	03	05	11.1*	5.506	S	151.738	E	70	*	4.1	-1.4	16	NEW BRITAIN REGION, P.N.G.
13	03	12	58.6*	5.504	S	151.650	E	59	*	4.0	0.5	9	NEW BRITAIN REGION, P.N.G.
13	03	20	44.9*	36.310	S	72.189	W	70	*	4.1	0.7	19	NEAR COAST OF CENTRAL CHILE. MD 4.1 (GUC). Felt (III) at Cauquenes and (II) at Linares and San Javier.
13	03	22	23.5&	16.432	N	98.515	W	60				5	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.7 (UNM).
13	03	28	43.5&	58.287	N	136.853	W	0	G			6	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.2 (PGC).
13	03	38	10.0*	23.785	S	179.953	W	572	?	4.4	1.0	36	SOUTH OF FIJI ISLANDS
13	05	02	03.4&	62.467	N	152.311	W	131				44	CENTRAL ALASKA. <AEIC>.
13	05	12	32.7*	1.285	S	81.662	W	33	N	4.3	1.0	11	OFF COAST OF ECUADOR
13	05	34	46.9	24.298	N	122.959	E	47		5.2 4.6	1.0	187	TAIWAN REGION. Mw 5.4 (HRV). Felt (III JMA) on Iriomote-shima and Yonaguni; (II JMA) on Ishigaki-shima, Ryukyu Islands. Also felt in parts of northern and central Taiwan. Centroid, Moment Tensor (HRV): Centroid origin time 05:34:50.5; Lat 24.10 N; Lon 122.81 E; Dep 59.9; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.04, Plg=51, Azm=169; (N) Val=0.37, Plg=39, Azm=353;

(P) Val=-1.40, Plg=2, Azm=261; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=318, Dip=55, Slip=40; NP2: Strike=203, Dip=58, Slip=138.

13	06	18	52.0&	17.960	N	66.300	W	6				4	PUERTO RICO REGION. <MPR>. MD 2.7 (MPR).
13	06	23	25.5&	39.430	N	0.710	W	16				18	SPAIN. <MDD>. ML 2.8 (LDG). mbLg 2.5 (MDD).
13	08	36	40.5&	18.870	N	66.630	W	67				5	PUERTO RICO REGION. <MPR>. MD 2.3 (MPR).
13	09	13	14.5*	2.802	S	139.109	E	33	N	3.5	1.4	10	NEAR NORTH COAST OF IRIAN JAYA
13	09	26	55.2	50.632	N	150.046	E	512	*	3.9	0.8	31	NORTHWEST OF KURIL ISLANDS
13	09	27	53.4&	40.294	N	73.909	E	33	N		1.5	7	KYRGYZSTAN
13	09	58	21.2&	32.959	S	70.791	W	76				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
13	10	39	24.7?	19.54	N	108.50	W	33	N	3.8	1.2	9	REVILLA GIGEDO ISLANDS REGION
13	11	42	12.2	36.096	N	127.204	E	10	G		0.9	6	SOUTH KOREA
13	12	34	20.6&	26.555	N	103.101	E	33	N		1.0	5	YUNNAN, CHINA
13	12	47	26.2*	27.083	N	101.126	E	33	N	4.2	0.8	10	SICHUAN, CHINA
13	13	08	50.7&	31.900	S	71.233	W	47				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
13	13	14	34.8*	19.517	N	147.536	E	33	N	3.7	1.3	14	MARIANA ISLANDS REGION
13	13	18	56.2&	33.071	S	72.123	W	13				11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
13	14	13	59.0*	18.492	N	146.184	E	165	*	4.5	1.2	33	MARIANA ISLANDS
13	15	00	28.0*	3.038	S	141.627	E	59	*	3.5	1.1	11	NEW GUINEA, PAPUA NEW GUINEA
13	15	26	59.2&	37.387	N	118.690	W	13				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK).
13	15	41	37.2&	43.100	N	0.500	W	2				5	PYRENEES. <LDG>. ML 2.1 (STR).
13	15	50	59.2*	18.326	N	146.592	E	33	N	4.1	1.3	18	MARIANA ISLANDS
13	16	42	27.0?	6.63	S	130.64	E	100	G	3.5	1.3	9	BANDA SEA
13	16	54	05.4&	64.501	N	158.057	W	0				43	CENTRAL ALASKA. <AEIC>. ML 4.2 (AEIC), 4.3 (PMR). Felt at Galena, Kaltaq and Nulato.
13	17	04	12.6&	56.326	N	136.108	W	10	G			13	OFF COAST OF SOUTHEASTERN ALASKA. <PGC-P>. ML 3.7 (PGC).
13	17	08	55.4*	7.401	S	154.916	E	88	?	4.2	1.1	17	SOLOMON ISLANDS
13	17	11	29.8&	36.120	N	120.067	W	9				6	CENTRAL CALIFORNIA. <GM-P>. MD 2.5 (GM). ML 2.8 (PAS).
13	17	22	26.6&	16.126	N	96.367	W	13				18	OAXACA, MEXICO. <UNM>. MD 4.4 (UNM).
13	17	30	05.4&	41.529	N	28.330	E	5				6	TURKEY. <ISK>. MD 2.7 (ISK).
13	17	41	43.9?	54.70	S	130.39	W	10	G	4.2	1.3	11	PACIFIC-ANTARCTIC RIDGE
13	18	50	19.4&	37.190	N	3.740	W	16				7	SPAIN. <MDD>. mbLg 1.6 (MDD).
13	19	00	48.8	17.168	N	61.193	W	45		4.7	0.7	77	LEEWARD ISLANDS. MD 4.6 (FDF), 4.6 (MPR). Felt (III) on Guadeloupe. Also felt on Antigua and Montserrat.
13	19	08	14.8	5.485	S	150.961	E	71	*	4.1	1.0	19	NEW BRITAIN REGION, P.N.G.
13	20	33	40.5	5.553	S	147.378	E	209		5.0	0.7	39	EASTERN NEW GUINEA REG., P.N.G.
13	20	57	25.0*	36.220	N	71.862	E	200	G	3.4	0.9	7	AFGHANISTAN-TAJIKISTAN BORD REG.
13	21	35	24.0*	8.792	S	124.713	E	33	N	4.1	1.3	14	TIMOR REGION, INDONESIA
13	22	30	28.3*	41.198	S	175.263	E	33	N		0.3	6	NORTH ISLAND, NEW ZEALAND. ML 2.3 (WEL).
13	22	43	07.0&	44.747	N	7.156	E	9				5	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
13	22	50	59.6*	12.380	S	123.204	E	100	G		1.1	8	SOUTH OF TIMOR, INDONESIA
13	23	23	15.7*	51.653	N	16.152	E	5	G		0.8	12	POLAND. ML 3.4 (GRF), 3.2 (VIE), 2.9 (WAR).
14	00	00	23.8	51.607	N	16.152	E	5			0.7	15	POLAND. ML 3.5 (GRF), 3.2 (VIE), 3.0 (WAR).
14	00	32	06.0*	55.015	S	158.518	E	10	G	4.6	1.3	24	MACQUARIE ISLANDS REGION
14	01	20	02.3&	60.156	N	152.634	W	81				16	SOUTHERN ALASKA. <AEIC>.
14	01	44	48.1&	40.616	N	29.030	E	10				4	TURKEY. <ISK>. MD 2.6 (ISK).
14	02	21	47.7&	59.005	N	135.744	W	10	G			6	SOUTHEASTERN ALASKA. <PGC>. ML 3.3 (PGC).
14	03	03	58.4&	31.677	S	70.947	W	95				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC).
14	03	33	32.5	44.373	N	10.760	E	10	G		1.0	58	NORTHERN ITALY. ML 3.5 (STR), 3.4 (LDG).
14	03	45	07.0*	55.845	S	25.465	W	33	N	4.2	1.3	11	SOUTH SANDWICH ISLANDS REGION
14	04	43	28.9*	34.750	S	107.981	W	10	G	4.9 5.3	1.1	38	SOUTHERN EAST PACIFIC RISE. Mw 6.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:43:41.1; Lat 35.13 S; Lon 107.75 W; Dep 15.0 Fix; Half-duration 2.5 sec; Principal axes (scale 10**18 Nm): (T) Val=1.49, Plg=10, Azm=54; (N) Val=-0.12, Plg=78, Azm=204; (P) Val=-1.37, Plg=6, Azm=323; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=98, Dip=79, Slip=177; NP2: Strike=189, Dip=87, Slip=11.
14	04	54	37.2*	9.984	S	124.567	E	33	N	4.4	1.4	7	TIMOR REGION, INDONESIA
14	05	24	47.9&	38.462	N	13.605	E	10	G	4.9		176	SICILY. <ROM>. Felt strongly in the Palermo area.
14	05	50	00.8&	60.838	N	151.080	W	48				65	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.3 (AEIC), 3.7 (PMR).
14	06	34	17.0&	56.567	N	156.276	W	46				73	ALASKA PENINSULA. <AEIC>. ML 3.5 (AEIC).
14	06	43	24.1*	11.322	S	162.737	E	33	N		0.7	6	SOLOMON ISLANDS
14	06	57	35.8*	44.319	N	10.622	E	10	G		1.4	10	NORTHERN ITALY. ML 2.7 (LDG).
14	07	58	16.5&	39.576	N	29.846	E	10				5	TURKEY. <ISK>. MD 2.7 (ISK).
14	08	30	55.8&	37.140	N	3.680	W	14				10	SPAIN. <MDD>. mbLg 2.0 (MDD).
14	09	07	36.6&	48.100	N	7.900	E	14				36	FRANCE. <LDG>. ML 3.1 (VIE), 3.0 (FUR), 3.0 (LDG), 2.8 (FBB), 2.6 (STR).
14	09	11	57.9?	35.42	S	108.04	W	10	G	4.2	1.2	15	SOUTHERN EAST PACIFIC RISE
14	09	15	23.6?	34.97	S	107.68	W	10	G	4.4	1.1	10	SOUTHERN EAST PACIFIC RISE
14	09	34	09.5	27.678	N	140.238	E	72	*	4.5	0.9	34	BONIN ISLANDS REGION
14	10	01	44.4	55.118	S	158.691	E	10	G	4.7	1.0	37	MACQUARIE ISLANDS REGION
14	10	09	08.2*	20.818	S	178.601	W	536	*	4.4	0.9	35	FIJI ISLANDS REGION
14	10	13	07.0*	5.968	S	149.464	E	57	*	4.3	1.0	19	NEW BRITAIN REGION, P.N.G.
14	10	21	11.1	44.278	N	10.749	E	10	G		1.2	35	NORTHERN ITALY. ML 3.2 (LDG).
14	10	50	15.4*	36.685	N	140.059	E	33	N		1.2	6	NEAR EAST COAST OF HONSHU, JAPAN
14	11	10	58.0*	35.770	N	140.294	E	33	N		0.7	6	NEAR EAST COAST OF HONSHU, JAPAN
14	11	32	43.9&	32.395	S	71.345	W	45				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
14	11	59	47.5	47.150	N	9.315	E	5	G		0.6	16	GERMANY. ML 2.6 (FBB), 2.6 (VIE).
14	12	21	34.3*	44.149	N	148.430	E	46	D	4.2	1.4	24	KURIL ISLANDS
14	12	53	06.2?	2.09	N	101.10	W	24	D	4.4	0.8	22	EAST CENTRAL PACIFIC OCEAN
14	13	19	37.7&	42.060	N	7.790	W	16				5	SPAIN. <MDD>. mbLg 2.9 (MDD).
14	13	47	41.0&	17.630	N	67.470	W	9				4	MONA PASSAGE. <MPR>. MD 2.8 (MPR).
14	13	55	36.5&	40.050	S	175.186	E	13			0.3	8	NORTH ISLAND, NEW ZEALAND. ML 3.1 (WEL).
14	15	09	53.8	8.510	N	126.723	E	50	D	4.6	1.1	40	MINDANAO, PHILIPPINE ISLANDS
14	15	36	38.5	41.051	N	81.430	E	33	N	4.7	1.1	35	SOUTHERN XINJIANG, CHINA
14	16	03	00.3&	39.296	N	27.601	E	6				6	TURKEY. <ISK>. MD 2.7 (ISK).
14	16	49	03.2	8.486	N	126.624	E	33	N	4.5	1.1	33	MINDANAO, PHILIPPINE ISLANDS
14	17	11	02.1&	46.200	N	6.800	E	2				8	SWITZERLAND. <LDG>. ML 2.0 (LDG).
14	17	20	19.2	51.464	N	179.130	W	33	N	4.3	1.0	27	ANDREANOF ISLANDS, ALEUTIAN IS.
14	17	26	59.5	51.275	N	179.088	W	33	N	4.9	0.8	109	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
14	18	31	07.4	10.101	N	126.522	E	33	N	4.2	0.8	20	PHILIPPINE ISLANDS REGION

14	18	43	24.4	10.052	N	126.491	E	33	N	4.2	0.9	24	PHILIPPINE ISLANDS REGION
14	19	18	39.4&	44.297	N	7.328	E	14				4	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
14	19	35	06.7	43.775	N	12.236	E	5	G		0.4	15	CENTRAL ITALY. ML 2.8 (LDG).
14	20	45	29.1*	14.568	N	96.107	E	33	N	4.7	0.7	8	ANDAMAN ISLANDS, INDIA
14	21	16	50.6&	34.007	S	70.117	W	7				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
14	21	17	52.9?	7.75	S	128.08	E	192	?	4.4	0.2	7	BANDA SEA
14	22	17	07.7	16.936	N	120.499	E	10	G	4.4	0.9	22	LUZON, PHILIPPINE ISLANDS
14	22	39	45.1&	44.716	N	7.594	E	37				20	NORTHERN ITALY. <GEN>.
14	23	16	20.5	32.459	N	132.317	E	27	*	4.5	0.7	15	SHIKOKU, JAPAN
14	23	16	46.8	51.618	N	173.150	W	33	N	5.7 6.0	1.3	373	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 6.1 (HRV), 6.0 (GS). Me 5.7 (GS). ML 5.7 (AEIC). Felt (III) on Adak. Broadband Source Parameters (GS): Dep 14; NP1: Strike=255, Dip=25, Slip=90; NP2: Strike=75, Dip=65, Slip=90; Radiated energy 6.8*10**12 Nm. Moment Tensor (GS): Dep 20; Principal axes (scale 10**18 Nm): (T) Val=1.17, Plg=60, Azm=324; (N) Val=-0.09, Plg=5, Azm=63; (P) Val=-1.08, Plg=29, Azm=155; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=258, Dip=16, Slip=107; NP2: Strike=61, Dip=74, Slip=85. Centroid, Moment Tensor (HRV): Centroid origin time 23:16:49.4; Lat 51.57 N; Lon 172.92 W; Dep 20.0 Bdy; Half-duration 3.1 sec; Principal axes (scale 10**18 Nm): (T) Val=1.55, Plg=66, Azm=337; (N) Val=0.08, Plg=1, Azm=70; (P) Val=-1.63, Plg=24, Azm=160; Best double couple: Mo=1.6*10**18 Nm; NP1: Strike=253, Dip=21, Slip=93; NP2: Strike=69, Dip=69, Slip=89. Scalar Moment (PPT): Mo=2.6*10**18 Nm.
14	23	19	34.0&	33.869	S	70.101	W	5				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
14	23	56	20.3&	39.500	N	29.129	E	9				5	TURKEY. <ISK>. MD 2.7 (ISK).
15	00	00	27.1&	44.069	N	16.401	E	10				7	NORTHWESTERN BALKAN REGION. <PDG>. ML 3.2 (PDG).
15	00	28	15.3&	36.870	N	5.350	W	16				10	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.7 (MDD).
15	00	47	37.7&	47.062	N	113.017	W	6				61	MONTANA. <BUT-P>. ML 3.6 (BUT). Felt at Arrasta Creek.
15	00	49	59.8*	8.612	N	126.644	E	75	*	4.5	1.2	28	MINDANAO, PHILIPPINE ISLANDS
15	01	04	29.3&	37.835	N	29.278	E	8				16	TURKEY. <ISK>. MD 3.6 (ISK).
15	01	32	02.1*	37.193	N	32.581	W	10	G	4.3	0.9	14	AZORES ISLANDS REGION
15	01	47	16.2?	54.90	N	162.21	E	33	N		0.9	7	NEAR EAST COAST OF KAMCHATKA
15	02	31	59.7&	31.501	S	69.701	W	160				8	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.4 (GUC).
15	02	33	06.9&	55.560	N	4.950	W	15				8	UNITED KINGDOM. <BGS>. ML 2.1 (BGS).
15	02	39	20.9&	32.641	S	71.493	W	38				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
15	03	07	25.7*	51.844	N	173.030	W	33	N	4.0	1.1	24	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR).
15	03	14	39.9&	17.234	N	101.771	W	6				7	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.8 (UNM).
15	03	32	08.3	6.721	S	130.031	E	114	*	5.0	1.1	47	BANDA SEA
15	03	48	41.6*	46.143	N	16.304	E	10	G		0.8	7	NORTHWESTERN BALKAN REGION. ML 2.5 (VIE).
15	04	01	57.6&	63.512	N	151.259	W	12				5	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
15	04	28	39.7*	5.426	S	151.679	E	60	*	4.7	1.0	17	NEW BRITAIN REGION, P.N.G.
15	05	17	26.5	19.594	N	147.327	E	33	N	4.4	1.0	30	MARIANA ISLANDS REGION
15	06	24	25.7&	43.600	N	7.700	E	19				24	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.5 (LDG), 2.5 (GEN), 2.3 (STR).
15	06	48	17.1*	29.401	S	71.692	W	33	N		1.1	17	NEAR COAST OF CENTRAL CHILE
15	07	03	15.4&	39.221	N	27.652	E	5				12	TURKEY. <ISK>. MD 3.2 (ISK).
15	07	18	22.6?	37.79	N	140.77	E	100	G	3.8	0.5	7	EASTERN HONSHU, JAPAN
15	07	24	06.5	38.346	N	140.508	E	50		5.1	0.9	129	EASTERN HONSHU, JAPAN. One person injured in Miyagi Prefecture. Felt (IV JMA) at Sendai and (III JMA) at Yamagata. Felt (III JMA) in much of Miyagi; (II JMA) in southern Akita, eastern Fukushima, eastern Yamagata and parts of Ibaraki; (I JMA) as far as northern Chiba, northern Iwate and western Niigata Prefectures.
15	07	31	34.4&	13.900	N	60.934	W	30				4	WINDWARD ISLANDS. <FDF>. MG 2.5 (FDF).
15	08	10	15.4*	29.503	S	179.111	W	300	G	4.7	1.2	41	KERMADEC ISLANDS REGION
15	08	32	08.4*	3.162	S	135.844	E	33	N	4.5	1.4	16	IRIAN JAYA REGION, INDONESIA
15	08	35	51.5	5.624	S	151.637	E	83		5.6	1.1	236	NEW BRITAIN REGION, P.N.G. Mw 6.3 (HRV), 6.2 (GS). Me 5.6 (GS). Broadband Source Parameters (GS): Dep 24; NP1: Strike=60, Dip=70, Slip=90; NP2: Strike=240, Dip=20, Slip=90; Radiated energy 6.0*10**12 Nm. Two events about 1.5 seconds apart. Depth based on second event. Moment Tensor (GS): Dep 24; Principal axes (scale 10**18 Nm): (T) Val=2.23, Plg=59, Azm=10; (N) Val=0.03, Plg=10, Azm=264; (P) Val=-2.26, Plg=29, Azm=168; Best double couple: Mo=2.2*10**18 Nm; NP1: Strike=233, Dip=18, Slip=58; NP2: Strike=86, Dip=75, Slip=100. Centroid, Moment Tensor (HRV): Centroid origin time 08:35:52.1; Lat 5.65 S; Lon 151.92 E; Dep 24.4; Half-duration 3.8 sec; Principal axes (scale 10**18 Nm): (T) Val=2.93, Plg=67, Azm=352; (N) Val=0.16, Plg=2, Azm=257; (P) Val=-3.09, Plg=22, Azm=166; Best double couple: Mo=3.0*10**18 Nm; NP1: Strike=252, Dip=23, Slip=85; NP2: Strike=78, Dip=67, Slip=92. Scalar Moment (PPT): Mo=2.8*10**18 Nm.
15	08	56	55.5*	38.412	N	140.735	E	33	N		1.4	8	EASTERN HONSHU, JAPAN. Felt (II JMA) in southern Miyagi; (I JMA) in southern Akita and eastern Miyagi Prefectures.
15	09	01	38.3&	44.108	N	7.891	E	10				6	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
15	09	27	22.4?	5.61	S	151.83	E	33	N	4.3	1.0	12	NEW BRITAIN REGION, P.N.G.
15	09	35	49.3*	7.125	S	144.922	E	33	N		1.0	6	NEAR S COAST OF NEW GUINEA, PNG.
15	09	48	04.5	5.570	S	151.745	E	55	*	4.9	0.9	50	NEW BRITAIN REGION, P.N.G.
15	09	53	43.5&	37.050	N	4.010	W	16				6	SPAIN. <MDD>. mbLg 1.9 (MDD).
15	09	54	48.1	5.528	S	151.753	E	58	*	4.8	0.9	32	NEW BRITAIN REGION, P.N.G.
15	10	01	38.6*	5.382	S	151.301	E	33	N	4.5	0.9	13	NEW BRITAIN REGION, P.N.G.
15	10	08	30.7	52.061	N	173.231	W	33	N	4.4	0.9	29	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
15	10	17	39.5*	39.517	N	138.318	E	33	N		0.8	9	EASTERN SEA OF JAPAN
15	10	30	42.1&	32.314	S	71.343	W	17				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
15	10	43	43.2&	37.943	N	29.365	E	8				16	TURKEY. <ISK>. MD 3.5 (ISK).
15	10	44	07.3*	37.406	S	73.611	W	33	N		0.9	15	NEAR COAST OF CENTRAL CHILE

15	11	49	08.4*	35.609	S	178.809	W	49	D	4.4	1.3	14	EAST OF NORTH ISLAND, N.Z.
15	11	49	51.9	6.010	S	151.930	E	33	N	5.0 5.2	1.0	48	NEW BRITAIN REGION, P.N.G. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:49:55.8; Lat 6.07 S; Lon 152.40 E; Dep 34.2; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.28, Plg=61, Azm=13; (N) Val=-0.05, Plg=18, Azm=247; (P) Val=-1.23, Plg=22, Azm=150; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=210, Dip=28, Slip=49; NP2: Strike=74, Dip=69, Slip=109.
15	12	42	52.1	40.488	N	25.852	E	10	G		1.2	13	AEGEAN SEA. MD 3.4 (ISK).
15	12	59	07.5	4.394	N	128.509	E	84	*	4.5	0.5	20	NORTH OF HALMAHERA, INDONESIA
15	14	20	33.6&	39.614	N	29.376	E	10				5	TURKEY. <ISK>. MD 2.7 (ISK).
15	14	52	32.6	45.931	N	15.057	E	10	G		0.2	10	NORTHWESTERN BALKAN REGION. ML 2.6 (VIE).
15	15	33	27.7*	51.665	N	172.852	W	33	N		0.9	6	ANDREANOF ISLANDS, ALEUTIAN IS.
15	15	35	02.9*	4.323	N	128.242	E	33	N	4.0	1.0	12	NORTH OF HALMAHERA, INDONESIA
15	15	48	01.8&	43.500	N	0.600	W	2				10	PYRENEES. <LDG>. ML 2.7 (LDG), 2.2 (STR).
15	16	26	16.8*	4.361	N	128.201	E	33	N	4.1	0.8	13	NORTH OF HALMAHERA, INDONESIA
15	16	35	15.4*	4.371	N	128.422	E	45	D	4.2	1.1	23	NORTH OF HALMAHERA, INDONESIA
15	17	23	59.9*	17.025	N	120.483	E	53	*		1.2	7	LUZON, PHILIPPINE ISLANDS
15	17	31	03.6	50.528	N	90.680	E	33	N	4.5	1.0	30	RUSSIA-MONGOLIA BORDER REGION
15	18	50	28.6	34.398	N	32.111	E	17	D	4.5	1.1	73	CYPRUS REGION. ML 4.3 (GII), 4.0 (CSS).
15	18	58	42.2?	34.73	S	108.61	W	10	G	4.3	1.0	8	SOUTHERN EAST PACIFIC RISE
15	19	06	54.6&	60.946	N	138.539	W	10	G			23	SOUTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 3.0 (PGC), 2.7 (AEIC).
15	19	17	35.4*	51.547	N	172.649	W	33	N	3.8	1.0	5	ANDREANOF ISLANDS, ALEUTIAN IS.
15	20	01	29.2	4.539	S	144.124	E	124		4.7	0.8	61	NEAR N COAST OF NEW GUINEA, PNG.
15	21	24	08.7*	51.839	N	172.887	W	33	N	4.3	1.3	19	ANDREANOF ISLANDS, ALEUTIAN IS.
15	21	42	45.4*	52.089	N	158.740	E	55	D	4.4	1.3	20	NEAR EAST COAST OF KAMCHATKA
15	21	50	14.7*	4.370	N	128.490	E	33	N	4.6	1.2	16	NORTH OF HALMAHERA, INDONESIA
15	22	09	24.3&	30.967	S	71.565	W	18				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
15	22	13	26.0	33.996	N	31.954	E	10	G	3.7	1.3	26	EASTERN MEDITERRANEAN SEA. ML 4.0 (CSS).
15	22	53	49.3	35.688	N	22.470	E	33	N	4.1	1.0	31	CENTRAL MEDITERRANEAN SEA
15	23	03	51.6	44.271	N	10.662	E	10	G		1.0	19	NORTHERN ITALY. ML 2.7 (LDG).
16	00	00	23.0&	44.240	N	16.990	E	3				12	NORTHWESTERN BALKAN REGION. <ZAG>. ML 3.1 (ZAG).
16	00	09	42.9&	63.472	N	151.168	W	14				24	CENTRAL ALASKA. <AEIC>. ML 3.9 (AEIC), 3.9 (PMR). Felt at Kantishna.
16	00	32	55.6	51.557	N	16.323	E	5	G		0.9	14	POLAND. ML 3.5 (GRF), 3.2 (VIE), 3.2 (WAR).
16	01	16	26.4*	4.442	S	102.558	E	47	*		1.1	17	SOUTHERN SUMATERA, INDONESIA
16	01	52	21.8	58.029	N	142.693	W	10	G		0.6	28	GULF OF ALASKA. ML 2.8 (AEIC).
16	02	12	02.1	6.580	S	154.868	E	87		5.4	0.9	222	SOLOMON ISLANDS. Mw 5.6 (HRV), 5.5 (GS). Moment Tensor (GS): Dep 29; Principal axes (scale 10**17 Nm): (T) Val=1.88, Plg=81, Azm=10; (N) Val=0.01, Plg=6, Azm=144; (P) Val=-1.90, Plg=6, Azm=234; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=331, Dip=39, Slip=100; NP2: Strike=139, Dip=52, Slip=82. Centroid, Moment Tensor (HRV): Centroid origin time 02:12:00.9; Lat 6.82 S; Lon 155.12 E; Dep 61.5; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.38, Plg=79, Azm=99; (N) Val=0.24, Plg=9, Azm=315; (P) Val=-2.62, Plg=6, Azm=224; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=305, Dip=40, Slip=76; NP2: Strike=142, Dip=52, Slip=101.
16	02	25	23.6&	44.200	N	6.200	E	2				9	FRANCE. <LDG>. ML 2.0 (LDG).
16	02	36	51.6&	33.607	S	71.768	W	13				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
16	03	18	16.2&	17.970	N	66.320	W	3				5	PUERTO RICO REGION. <MPR>. MD 2.2 (MPR).
16	03	38	44.8&	7.973	N	82.462	W	30				5	SOUTH OF PANAMA. <UPA>. MD 3.3 (UPA).
16	04	15	00.1&	31.486	S	69.885	W	151				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.1 (GUC).
16	04	33	09.2	10.282	N	126.414	E	33	N	4.4	0.9	20	PHILIPPINE ISLANDS REGION
16	04	56	09.4*	23.734	N	120.858	E	33	N		1.3	9	TAIWAN
16	05	16	53.9&	36.990	N	5.400	W	16				8	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.0 (MDD).
16	05	51	27.0	6.640	S	131.232	E	42		5.4	0.8	83	TANIMBAR ISLANDS REG., INDONESIA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:51:30.0; Lat 7.20 S; Lon 131.62 E; Dep 54.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.52, Plg=5, Azm=303; (N) Val=1.58, Plg=73, Azm=197; (P) Val=-8.10, Plg=16, Azm=35; Best double couple: Mo=7.3*10**16 Nm; NP1: Strike=78, Dip=75, Slip=-8; NP2: Strike=170, Dip=82, Slip=-165.
16	06	06	05.7&	62.528	N	151.279	W	89				51	CENTRAL ALASKA. <AEIC>.
16	07	02	56.5*	28.227	S	27.248	E	5	G		0.9	7	REPUBLIC OF SOUTH AFRICA
16	07	11	19.3*	5.390	S	151.712	E	63	*	4.1	0.5	13	NEW BRITAIN REGION, P.N.G.
16	07	22	53.5*	39.447	S	175.690	E	100	G		0.4	11	NORTH ISLAND, NEW ZEALAND
16	07	41	44.7&	60.927	N	148.493	W	18				59	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.5 (AEIC), 4.0 (PMR). Felt at Anchorage and Eagle River.
16	08	15	32.4	39.412	N	34.601	E	10	G		0.9	10	TURKEY. MD 3.4 (ISK).
16	08	43	38.8	23.326	S	175.817	W	33	N	4.5	0.9	13	TONGA ISLANDS REGION
16	09	00	44.4&	35.959	N	120.508	W	8				39	CENTRAL CALIFORNIA. <GM-P>. Mw 3.5 (BRK). ML 3.5 (GM), 3.4 (BRK), 3.4 (PAS). Moment Tensor (BRK): Dep 14; Principal axes (scale 10**14 Nm): (T) Val=2.17, Plg=4, Azm=109; (N) Val=0.00, Plg=86, Azm=278; (P) Val=-2.17, Plg=1, Azm=19; Best double couple: Mo=2.2*10**14 Nm; NP1: Strike=244, Dip=88, Slip=3; NP2: Strike=154, Dip=87, Slip=178.
16	09	23	14.8*	52.670	N	160.492	E	33	N		1.0	12	OFF EAST COAST OF KAMCHATKA
16	09	27	09.8?	51.83	N	172.74	W	33	N		1.6	4	ANDREANOF ISLANDS, ALEUTIAN IS.
16	09	32	03.3&	44.300	N	7.600	E	2				5	NORTHERN ITALY. <LDG>. ML 2.5 (LDG).
16	09	34	20.0*	29.467	N	51.780	E	33	N	3.9	0.5	10	SOUTHERN IRAN
16	09	37	11.3&	32.512	S	71.656	W	5				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
16	10	51	08.5	25.742	N	125.826	E	33	N	4.3	0.9	15	SOUTHWESTERN RYUKYU ISLANDS
16	11	09	14.3	24.047	S	66.744	W	175		4.9	0.9	175	SALTA PROVINCE, ARGENTINA
16	11	09	27.6	46.222	N	13.702	E	10	G		1.1	12	AUSTRIA. ML 2.7 (VIE), 2.3 (LJU). Felt (IV) at Kobarid, Slovenia.
16	11	28	56.1	3.242	S	79.348	W	104	D	4.9	0.8	90	NEAR COAST OF ECUADOR

16	11	57	16.5&	35.694	S	71.710	W	86					11	CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
16	12	55	54.5&	37.581	N	118.788	W	7					9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.7 (GM), 3.1 (GS).
16	13	14	57.0*	46.216	N	15.783	E	10	G			0.6	5	NORTHWESTERN BALKAN RÉGION. ML 2.3 (VIE).
16	13	28	44.1	6.197	S	102.841	E	39	D	4.4		0.8	26	SOUTHWEST OF SUMATERA, INDONESIA
16	14	25	54.0&	37.550	N	118.818	W	4					13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.9 (GM), 3.1 (BRK).
16	14	36	44.6&	37.551	N	118.818	W	4					4	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
16	15	26	00.0*	4.427	N	128.286	E	33	N	4.2		1.0	17	NORTH OF HALMAHERA, INDONESIA
16	15	32	44.0&	45.950	N	14.877	E	10	G			0.3	6	NORTHWESTERN BALKAN REGION. ML 1.5 (LJU).
16	15	34	30.1&	39.668	N	33.141	E	10	G				9	TURKEY. <ISK>. MD 3.3 (ISK).
16	15	43	28.8	37.882	N	19.987	E	10	G	3.7		1.3	34	IONIAN SEA. ML 3.7 (PDG).
16	16	09	29.8&	35.963	N	120.510	W	8					32	CENTRAL CALIFORNIA. <GM-P>. ML 3.5 (GM), 3.4 (PAS), 3.3 (BRK).
16	16	17	29.7&	35.963	N	120.511	W	8					9	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 3.0 (PAS).
16	16	18	40.4*	35.711	S	179.881	W	33	N	4.3		0.8	16	EAST OF NORTH ISLAND, N.Z.
16	16	36	23.8*	36.283	N	140.840	E	33	N	3.7		1.1	7	NEAR EAST COAST OF HONSHU, JAPAN
16	16	44	20.1	7.231	S	144.887	E	33	N	3.6		1.3	16	NEAR S COAST OF NEW GUINEA, PNG.
16	17	17	44.2	6.801	S	107.707	E	33	N	4.4		0.9	13	JAWA, INDONESIA
16	19	48	16.7&	63.161	N	151.409	W	9					6	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.9 (PMR).
16	19	53	46.4&	19.170	N	66.470	W	37					6	PUERTO RICO REGION. <MPR>. MD 2.7 (MPR).
16	20	02	36.4*	20.345	S	178.122	W	400	G	4.2		0.8	13	FIJI ISLANDS REGION
16	20	11	11.9&	32.627	S	70.021	W	121					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
16	21	02	42.7&	59.783	N	151.503	W	51					24	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
16	21	21	24.7*	19.584	N	147.517	E	33	N	4.4		1.2	12	MARIANA ISLANDS REGION
16	22	05	32.7&	17.940	N	66.330	W	10	G				8	PUERTO RICO REGION. <MPR>. MD 2.6 (MPR).
16	22	48	17.9*	40.304	N	63.110	E	33	N	4.2		1.4	23	NORTHWESTERN UZBEKISTAN
16	23	24	13.7	51.777	N	172.831	W	33	N	3.8		0.7	6	ANDREANOF ISLANDS, ALEUTIAN IS.
16	23	48	12.5&	31.871	S	68.991	W	172					9	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.4 (GUC).
16	23	58	19.5&	32.286	S	71.544	W	2					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
16	23	59	19.0*	1.679	S	99.669	E	33	N	4.4		0.9	21	SOUTHERN SUMATERA, INDONESIA
17	00	04	14.7&	33.230	S	71.787	W	23					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
17	00	29	04.5*	23.674	S	179.809	W	482	?	4.3		1.2	26	SOUTH OF FIJI ISLANDS
17	00	31	17.5&	17.015	N	95.235	W	83					22	OAXACA, MEXICO. <UNM>. MD 4.5 (UNM).
17	02	57	39.3?	5.65	N	126.36	E	156	*	4.3		1.5	11	MINDANAO, PHILIPPINE ISLANDS
17	02	58	56.0&	43.840	N	111.010	W	0					37	EASTERN IDAHO. <USBR>. MD 3.5 (USBR). ML 3.8 (BUT), 3.5 (GS).
17	03	35	43.5	7.593	S	124.904	E	379		4.5		0.8	24	BANDA SEA
17	03	35	55.1?	43.15	N	126.74	W	10	G			0.4	23	OFF COAST OF OREGON
17	04	02	32.6	29.519	N	130.574	E	33	N	4.8		1.0	51	RYUKYU ISLANDS. Felt (I JMA) on Nakano-shima.
17	04	03	38.4*	30.385	N	130.721	E	107	*	4.2		1.5	26	KYUSHU, JAPAN
17	04	10	27.0&	49.800	N	0.300	W	2					5	FRANCE. <LDG>. ML 2.6 (LDG).
17	04	14	11.4&	30.712	S	71.673	W	39					7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
17	04	46	40.5	47.982	N	153.026	E	160	*	4.3		1.0	55	KURIL ISLANDS
17	05	09	53.1&	16.793	N	100.124	W	0					6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.4 (UNM).
17	05	29	43.6	46.064	N	14.769	E	10	G			1.0	62	NORTHWESTERN BALKAN REGION. ML 3.9 (VIE), 3.8 (FUR), 3.7 (CLL), 3.7 (LDG), 3.4 (LJU). Felt (V) in the Ljubljana area, Slovenia.
17	05	43	46.2?	22.84	S	171.05	E	33	N			0.9	8	LOYALTY ISLANDS REGION
17	06	26	58.8&	33.626	S	71.039	W	69					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.5 (GUC).
17	06	30	23.2&	15.660	N	61.144	W	27					9	LEEWARD ISLANDS. <FDF>. MG 2.7 (FDF).
17	06	32	22.6*	2.145	N	126.583	E	126	?	4.4		0.5	14	NORTHERN MOLUCCA SEA
17	06	42	28.3?	15.49	S	173.38	W	33	N	4.3		1.3	28	TONGA ISLANDS
17	07	08	17.5?	21.14	S	169.27	E	33	N			1.0	7	LOYALTY ISLANDS REGION
17	07	43	14.0&	39.663	N	29.437	E	10	G				5	TURKEY. <ISK>. MD 2.7 (ISK).
17	07	57	47.5&	9.447	N	78.220	W	11					4	PANAMA. <UPA>. MD 3.1 (UPA).
17	08	07	11.9&	43.872	N	7.979	E	2					4	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 1.5 (GEN).
17	08	26	54.9*	38.071	N	74.271	E	199	*	3.4		0.6	12	TAJIKISTAN-XINJIANG BORDER REG.
17	08	27	30.5	46.024	N	14.783	E	10	G			1.0	11	NORTHWESTERN BALKAN REGION. ML 2.7 (VIE), 2.1 (LJU).
17	08	33	35.3	4.448	S	104.613	E	195		4.0		1.3	31	SOUTHERN SUMATERA, INDONESIA
17	08	38	07.3*	34.426	N	137.447	E	314	*	3.2		0.3	7	NEAR S. COAST OF HONSHU, JAPAN
17	08	41	17.8*	20.988	S	169.039	E	33	N	4.3		1.4	23	VANUATU ISLANDS
17	08	42	21.3	46.066	N	14.765	E	10	G			0.3	8	NORTHWESTERN BALKAN REGION. ML 1.7 (LJU).
17	08	50	38.8&	18.220	N	66.230	W	9					4	PUERTO RICO REGION. <MPR>. MD 2.8 (MPR).
17	09	00	10.5&	46.061	N	14.773	E	10	G			0.3	5	NORTHWESTERN BALKAN REGION. ML 1.2 (LJU).
17	09	13	32.2&	32.611	S	70.205	W	114					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
17	09	28	41.4*	3.649	S	151.955	E	10	G	4.6	4.3	1.4	27	NEW IRELAND REGION, P.N.G.
17	09	49	51.1&	44.184	N	6.938	E	1					7	FRANCE. <GEN>. ML 1.8 (GEN).
17	09	53	32.4*	3.817	S	152.106	E	10	G			1.1	5	NEW IRELAND REGION, P.N.G.
17	10	06	40.9*	3.672	S	152.017	E	10	G	3.6		1.3	8	NEW IRELAND REGION, P.N.G.
17	10	07	30.6*	12.989	S	166.796	E	100	G	3.9		0.9	9	SANTA CRUZ ISLANDS
17	10	42	59.1?	45.57	N	26.49	E	150	G			0.5	6	ROMANIA
17	11	07	28.3&	37.553	N	118.818	W	5					10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
17	11	11	18.2	30.674	N	137.778	E	478		4.8		0.9	162	SOUTH OF HONSHU, JAPAN
17	11	18	48.9*	14.720	S	74.121	W	90	*	4.3		1.0	21	CENTRAL PERU
17	11	23	13.0?	45.36	N	150.70	E	33	N			0.8	6	KURIL ISLANDS
17	11	30	44.3	43.280	N	16.397	E	10	G			0.9	50	NORTHWESTERN BALKAN REGION. ML 3.9 (ZAG), 3.9 (VIE), 3.7 (PDG).
17	12	24	55.7*	10.062	S	123.968	E	33	N	3.7		0.6	6	TIMOR REGION, INDONESIA
17	13	14	32.4*	23.712	S	66.686	W	217	*	3.7		0.5	11	JUJUY PROVINCE, ARGENTINA
17	13	35	27.7?	22.45	S	173.96	E	33	N	3.3		1.5	6	LOYALTY ISLANDS REGION
17	13	44	11.5&	46.040	N	14.782	E	10	G			0.2	5	NORTHWESTERN BALKAN REGION. ML 1.2 (LJU).
17	14	23	58.1&	40.396	N	29.367	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
17	14	58	12.3&	40.882	N	30.419	E	5					4	TURKEY. <ISK>. MD 2.5 (ISK).
17	15	42	58.5&	35.967	N	120.517	W	8					10	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (PAS).
17	16	41	20.1	38.294	S	93.623	W	10	G	5.3	5.2	1.1	134	WEST CHILE RISE. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:41:24.4; Lat 38.11 S; Lon 93.93 W; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=4.30, Plg=21, Azm=93; (N) Val=-0.04, Plg=1, Azm=3; (P) Val=-4.26, Plg=69, Azm=269; Best double couple: Mo=4.3*10**17 Nm; NP1: Strike=186, Dip=24, Slip=-87; NP2: Strike=2, Dip=66, Slip=-92.
17	16	53	47.6?	2.24	N	99.82	E	95	?			0.9	6	NORTHERN SUMATERA, INDONESIA

17	17	00	30.7?	52.03	N	7.82	E	10	G			0.6	5	GERMANY. ML 2.6 (LDG), 2.5 (STR), 2.2 (UCC).
17	17	41	38.4*	50.342	N	19.089	E	5	G			0.8	12	POLAND. ML 3.5 (VIE), 3.3 (WAR), 3.0 (CLL).
17	17	47	56.7*	26.950	N	126.742	E	33	N	3.8		1.4	7	RYUKYU ISLANDS
17	17	51	14.4	31.292	S	69.468	W	118	D	4.5		1.0	29	SAN JUAN PROVINCE, ARGENTINA. MD 4.6 (GUC).
17	18	14	25.8	30.593	N	137.557	E	487		4.5		0.9	112	SOUTH OF HONSHU, JAPAN
17	20	11	42.3&	17.940	N	66.340	W	7					7	PUERTO RICO REGION. <MPR>. MD 2.4 (MPR).
17	20	55	41.3&	45.940	N	15.340	E	10	G			0.8	6	NORTHWESTERN BALKAN REGION. ML 1.5 (LJU).
17	21	00	59.0&	38.103	N	30.019	E	10	G				10	TURKEY. <ISK>. MD 3.3 (ISK).
17	22	22	52.0*	12.017	N	81.622	W	33	N			1.2	18	CARIBBEAN SEA. MD 4.5 (UPA).
17	22	45	27.1*	4.969	N	126.447	E	110	*	4.2		1.1	18	TALAUD ISLANDS, INDONESIA
17	22	57	00.1?	31.36	S	68.90	W	100	G			1.0	14	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (GUC).
17	23	39	11.2&	43.100	N	0.300	W	2					5	PYRENEES. <LDG>. ML 2.1 (STR).
17	23	49	46.9*	35.165	N	140.402	E	33	N			0.6	6	NEAR EAST COAST OF HONSHU, JAPAN
18	00	00	11.7*	51.474	N	7.777	E	10	G			0.8	8	GERMANY. ML 3.2 (GRF), 3.1 (LDG), 2.7 (CLL), 2.6 (UCC).
18	00	30	42.0&	32.437	S	70.079	W	115					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
18	01	52	43.9&	47.100	N	9.260	E	2	G				8	GERMANY. <STR>. ML 2.2 (STR), 2.2 (LDG), 2.0 (VIE).
18	02	21	27.1&	18.860	N	67.220	W	8					7	MONA PASSAGE. <MPR>. MD 2.8 (MPR).
18	02	41	06.8&	33.814	S	71.238	W	45					13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
18	02	51	34.6	40.962	N	78.400	E	52	*	4.8	3.9	1.0	88	SOUTHERN XINJIANG, CHINA
18	02	52	36.7&	59.798	N	153.634	W	128		3.1			27	SOUTHERN ALASKA. <AEIC>.
18	03	35	20.5&	54.099	N	164.191	W	12					18	UNIMAK ISLAND REGION. <AEIC>. ML 2.9 (AEIC).
18	03	51	13.0	43.212	N	148.097	E	10	G	5.1	4.3	1.0	132	EAST OF KURIL ISLANDS
18	03	53	16.6	40.952	N	78.498	E	45	*	4.8		1.1	88	SOUTHERN XINJIANG, CHINA
18	04	05	14.2&	45.928	N	15.341	E	10	G			0.8	5	NORTHWESTERN BALKAN REGION. ML 1.5 (LJU).
18	04	26	17.7&	36.620	N	3.170	W	11					5	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.7 (MDD).
18	05	06	15.6&	39.466	N	27.708	E	10	G				11	TURKEY. <ISK>. MD 3.1 (ISK).
18	05	35	55.4?	5.34	S	146.73	E	231	?	4.0		1.4	10	EASTERN NEW GUINEA REG., P.N.G.
18	05	47	56.0&	48.110	N	7.760	E	10	G				26	FRANCE. <FBB>. ML 2.5 (LDG), 2.0 (FBB), 1.9 (STR).
18	06	06	59.4	46.057	N	14.746	E	10	G			0.7	12	NORTHWESTERN BALKAN REGION. ML 3.0 (VIE), 2.7 (LJU). Felt (IV) in the Litija area, Slovenia.
18	06	28	05.0&	33.443	S	70.251	W	106					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
18	07	12	23.8&	46.058	N	14.776	E	10	G			0.2	6	NORTHWESTERN BALKAN REGION. ML 1.4 (LJU).
18	07	14	30.0&	39.496	N	29.372	E	6					4	TURKEY. <ISK>. MD 2.7 (ISK).
18	07	30	16.6&	43.700	N	7.600	E	2					11	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.5 (LDG).
18	07	33	20.9*	27.378	N	141.947	E	66	D	4.5		0.8	20	BONIN ISLANDS REGION
18	07	38	09.3*	2.920	S	142.109	E	10	G	4.0		1.1	13	NEAR N COAST OF NEW GUINEA, PNG.
18	07	43	19.4&	8.642	N	83.828	W	6					5	COSTA RICA. <UPA>. MD 4.3 (UPA).
18	08	16	11.4*	36.326	N	137.700	E	10	G	4.2		1.5	23	EASTERN HONSHU, JAPAN. Felt (III JMA) in central Nagano, (II JMA) in northern Gifu and (I JMA) in parts of Gifu, Gumma, Nagano and Toyama Prefectures.
18	08	16	37.4*	17.463	S	168.051	E	33	N	4.4		1.3	29	VANUATU ISLANDS
18	08	16	48.1	36.386	N	137.683	E	10	G	4.6		0.2	8	EASTERN HONSHU, JAPAN
18	08	31	12.7&	16.122	N	98.027	W	2					7	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
18	09	05	27.0&	39.613	N	29.397	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
18	09	07	42.1&	39.604	N	29.402	E	5					4	TURKEY. <ISK>. MD 2.7 (ISK).
18	09	15	12.7&	31.505	S	69.648	W	186					10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.4 (GUC).
18	09	25	04.0&	39.583	N	29.388	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
18	10	13	08.4&	44.400	N	8.300	E	2					12	NORTHERN ITALY. <LDG>. ML 2.2 (STR), 2.0 (LDG).
18	10	22	21.8&	32.466	S	71.711	W	11					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
18	10	37	05.0&	59.424	N	153.228	W	93					30	SOUTHERN ALASKA. <AEIC>.
18	11	02	14.6*	14.472	S	166.955	E	33	N			0.7	20	VANUATU ISLANDS
18	11	06	45.8*	11.421	S	118.822	E	33	N	4.2		0.8	6	SOUTH OF SUMBAWA, INDONESIA
18	11	18	14.1&	41.105	N	78.529	E	33	N			1.4	13	KYRGYZSTAN-XINJIANG BORDER REG.
18	11	19	21.1	40.875	N	78.393	E	54	*	4.5		1.3	43	SOUTHERN XINJIANG, CHINA
18	11	33	55.8	10.312	S	161.195	E	75	*	4.4		1.2	37	SOLOMON ISLANDS
18	12	19	52.1&	34.658	S	70.928	W	88					10	CHILE-ARGENTINA BORDER REGION. <GUC>.
18	12	36	45.3&	39.631	N	29.578	E	10	G				4	TURKEY. <ISK>. MD 2.6 (ISK).
18	12	38	14.1&	33.483	S	69.804	W	149					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
18	13	00	19.5*	9.562	N	126.181	E	62	*			0.7	9	MINDANAO, PHILIPPINE ISLANDS
18	13	14	20.6?	5.55	N	127.66	E	33	N	3.5		0.9	7	PHILIPPINE ISLANDS REGION
18	13	26	30.3&	33.893	S	70.664	W	95					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
18	13	39	20.9&	34.042	S	70.126	W	9					10	CHILE-ARGENTINA BORDER REGION. <GUC>.
18	13	47	13.5	14.474	N	25.001	W	10	G	5.0	4.3	0.9	166	NORTH ATLANTIC OCEAN
18	13	59	33.9&	37.210	N	4.280	W	11					9	SPAIN. <MDD>. mbLg 1.9 (MDD).
18	14	17	35.5?	10.04	S	77.99	W	33	N			0.9	5	NEAR COAST OF PERU
18	14	21	14.9	17.528	S	167.757	E	33	N	4.8		1.1	49	VANUATU ISLANDS
18	14	54	01.9*	17.494	S	167.886	E	33	N	4.3		1.3	27	VANUATU ISLANDS
18	15	02	45.7&	31.579	S	71.538	W	40					9	NEAR COAST OF CENTRAL CHILE. <GUC>.
18	15	24	14.3	14.270	N	60.605	W	85		4.7		0.9	37	WINDWARD ISLANDS. Felt strongly on St. Lucia.
18	15	27	54.1&	18.106	N	97.989	W	39					9	CENTRAL MEXICO. <UNM>. MD 3.8 (UNM).
18	15	36	42.2*	5.873	S	105.630	E	24	*	4.0		0.6	9	SUNDA STRAIT
18	16	06	49.2	6.865	S	149.909	E	51		4.6		0.9	33	NEW BRITAIN REGION, P.N.G.
18	17	13	07.7&	32.377	S	70.040	W	117					15	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
18	17	25	03.1?	46.11	N	14.77	E	10	G				4	NORTHWESTERN BALKAN REGION. ML 0.9 (LJU).
18	18	29	16.1	27.080	N	126.855	E	52	*	4.4		1.0	18	NORTHWEST OF RYUKYU ISLANDS. Felt (I JMA) on Kume-shima.
18	19	40	29.1&	53.317	N	166.272	W	0					7	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.9 (AEIC).
18	20	57	52.5&	32.673	S	71.077	W	5					7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.9 (GUC).
18	21	09	17.3?	21.22	S	179.03	W	650	G	4.2		1.1	27	FIJI ISLANDS REGION
18	21	25	45.0?	38.56	S	177.23	E	100	G			1.1	8	NORTH ISLAND, NEW ZEALAND
18	22	38	54.5	10.189	S	161.052	E	100	G	4.7		0.9	42	SOLOMON ISLANDS
18	22	52	36.4&	32.353	S	71.411	W	40					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
18	23	25	27.6?	44.28	N	10.64	E	10	G			0.5	8	NORTHERN ITALY. ML 2.7 (LDG).
19	01	08	42.2*	17.599	S	179.045	W	600	G	4.5		0.7	19	FIJI ISLANDS REGION
19	01	47	04.7&	45.600	N	6.100	E	2					16	FRANCE. <LDG>. ML 2.1 (LDG).
19	01	59	50.6&	17.950	N	66.330	W	8					4	PUERTO RICO REGION. <MPR>. MD 2.7 (MPR).
19	02	21	01.2*	9.637	S	120.099	E	100	G			1.1	6	SUMBA REGION, INDONESIA
19	03	12	07.8&	40.056	N	29.336	E	5					7	TURKEY. <ISK>. MD 2.8 (ISK).
19	03	43	55.2&	31.584	S	72.782	W	8					8	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
19	03	49	53.3&	59.516	N	151.298	W	10					20	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
19	04	21	51.7&	34.105	S	71.400	W	39					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
19	04	30	26.1&	34.558	S	73.732	W	4					11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
19	04	47	30.0	16.971	N	94.767	W	100	G			1.3	27	OAXACA, MEXICO. MD 4.4 (UNM).
19	06	01	42.6&	16.925	N	99.717	W	47					8	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).

19	06	15	30.3	6.619	N	77.084	W	33	N	4.4	1.1	57	NEAR WEST COAST OF COLOMBIA
19	07	07	59.7	31.896	N	50.112	E	33	N	4.5	0.9	30	NORTHERN IRAN
19	07	26	46.3&	43.871	N	19.322	E	9				6	NORTHWESTERN BALKAN REGION. <PDG>. ML 2.2 (PDG).
19	07	37	55.9&	61.825	N	149.581	W	30				66	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 3.1 (PMR).
19	08	28	03.1&	39.639	N	29.458	E	8				5	TURKEY. <ISK>. MD 2.7 (ISK).
19	08	50	25.8*	32.447	S	177.724	W	33	N	4.6	0.9	16	SOUTH OF KERMADEC ISLANDS
19	09	27	40.4&	34.074	S	70.672	W	87				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
19	09	41	14.2*	45.430	N	147.322	E	176	*	4.2	1.3	43	KURIL ISLANDS
19	10	24	51.1&	34.478	S	72.051	W	1				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
19	11	20	59.5&	35.079	S	71.148	W	103				11	CENTRAL CHILE. <GUC>. MD 2.9 (GUC).
19	11	58	30.8%	39.728	N	75.683	E	33	N		1.0	7	SOUTHERN XINJIANG, CHINA
19	12	21	26.5&	39.594	N	29.402	E	8				4	TURKEY. <ISK>. MD 2.6 (ISK).
19	13	03	52.6	20.631	S	178.973	W	652	?	4.5	0.7	58	FIJI ISLANDS REGION
19	13	34	00.5&	32.358	S	71.384	W	19				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
19	13	35	44.0&	16.935	N	100.394	W	5				15	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
19	14	08	11.2*	6.970	S	129.548	E	105	?	4.3	1.0	16	BANDA SEA
19	14	25	31.9	50.181	N	129.720	W	10	G	4.7	1.0	78	VANCOUVER ISLAND REGION
19	14	35	33.7?	16.09	N	145.29	E	100	G	4.5	1.1	11	MARIANA ISLANDS
19	15	26	11.4	39.321	S	175.505	E	16			0.3	12	NORTH ISLAND, NEW ZEALAND. ML 4.0 (WEL).
19	15	41	15.0*	52.718	N	160.113	E	51	*	4.3	1.1	30	OFF EAST COAST OF KAMCHATKA
19	15	46	41.9%	39.176	S	175.009	E	200	G		0.1	10	NORTH ISLAND, NEW ZEALAND
19	16	15	49.8	20.096	S	70.557	W	66	*	4.6	1.0	35	NEAR COAST OF NORTHERN CHILE
19	16	59	20.8&	16.905	N	100.391	W	5				9	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
19	17	19	34.6*	3.479	N	76.096	W	33	N		1.0	8	COLOMBIA
19	18	42	04.0&	32.809	S	72.943	W	3				10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
19	19	34	44.2&	38.093	N	29.271	E	10				6	TURKEY. <ISK>. MD 3.1 (ISK).
19	20	12	39.5	34.512	N	23.799	E	53	?	3.6	1.0	17	CRETE
19	20	15	56.7	3.506	N	124.259	E	377		4.3	1.1	51	CELEBES SEA
19	20	21	39.4&	37.547	N	118.820	W	4				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
19	20	58	34.7*	37.625	N	70.307	E	33	N	3.9	1.1	8	AFGHANISTAN-TAJIKISTAN BORD REG.
19	21	17	12.5	32.439	N	55.326	E	33	N	4.4 3.6	1.1	62	NORTHERN IRAN
19	21	22	54.9&	32.476	S	71.703	W	3				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
19	21	53	04.3	36.389	N	137.670	E	10	G	4.0 3.8	1.1	16	EASTERN HONSHU, JAPAN. Felt (II JMA) in northern Gifu and west-central Nagano; (I JMA) in parts of Nagano and Toyama Prefectures.
19	22	06	37.0&	7.224	N	80.823	W	10				4	PANAMA. <UPA>. MD 3.3 (UPA).
19	22	08	49.1%	40.647	S	174.979	E	33	N		0.2	10	COOK STRAIT, NEW ZEALAND. ML 3.7 (WEL).
19	22	10	46.7*	39.771	N	144.825	E	33	N	4.5	1.0	11	OFF EAST COAST OF HONSHU, JAPAN
19	22	42	04.5*	10.959	S	73.524	W	33	N	4.1	1.1	21	CENTRAL PERU
19	23	10	18.2&	16.838	N	99.133	W	10				13	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
19	23	30	41.5?	41.83	N	126.71	W	10	G		0.6	10	OFF COAST OF NORTHERN CALIFORNIA. MD 2.7 (SEA).
19	23	37	47.1	17.880	S	178.155	W	450	G	4.4	1.1	64	FIJI ISLANDS REGION
19	23	37	55.9&	54.666	N	163.325	W	95				22	UNIMAK ISLAND REGION. <AEIC>.
20	00	25	44.9&	31.670	S	70.127	W	134				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
20	00	36	46.5	21.392	S	174.709	W	100	G	5.1	1.0	120	TONGA ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:36:39.5; Lat 21.69 S; Lon 173.78 W; Dep 16.4; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.78, Plg=58, Azm=302; (N) Val=0.09, Plg=5, Azm=205; (P) Val=-1.87, Plg=32, Azm=112; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=186, Dip=14, Slip=70; NP2: Strike=26, Dip=77, Slip=95. Scalar Moment (PPT): Mo=1.3*10**17 Nm.
20	01	04	11.9&	33.069	S	70.120	W	6				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
20	01	50	42.5	0.897	N	124.361	E	172		5.0	1.0	39	MINAHASSA PENINSULA, SULAWESI
20	01	55	56.1&	44.053	N	7.639	E	7				29	NORTHERN ITALY. <GEN>. ML 2.5 (GEN), 2.3 (LDG), 2.0 (STR).
20	02	13	33.3&	32.471	S	71.682	W	2				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
20	02	16	30.6&	32.498	S	71.720	W	3				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
20	02	52	51.8	47.331	N	11.308	E	5	G		1.3	73	AUSTRIA. ML 3.5 (GRF), 3.3 (STR), 3.2 (FUR), 3.2 (LDG), 3.2 (VIE), 3.1 (FBB). Felt (IV) at Innsbruck.
20	03	24	57.2&	31.279	S	69.550	W	177				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.1 (GUC).
20	04	39	58.5&	33.025	S	72.040	W	0				10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
20	05	53	27.3	7.308	N	126.576	E	190		4.6	1.0	47	MINDANAO, PHILIPPINE ISLANDS
20	06	10	29.8	42.118	N	2.303	W	5	G		1.3	30	SPAIN. ML 3.2 (LDG). mbLg 3.0 (MDD). Felt (II) at Yanguas.
20	06	30	46.6	35.630	S	179.844	W	53		5.2 5.0	1.4	82	EAST OF NORTH ISLAND, N.Z. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:30:48.1; Lat 35.28 S; Lon 179.20 W; Dep 17.8; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.51, Plg=68, Azm=296; (N) Val=0.39, Plg=3, Azm=199; (P) Val=-1.91, Plg=21, Azm=108; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=193, Dip=24, Slip=83; NP2: Strike=21, Dip=66, Slip=93.
20	07	14	32.6	35.586	S	179.958	E	76		5.3	1.1	104	OFF E. COAST OF N. ISLAND, N.Z. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:14:30.4; Lat 35.00 S; Lon 179.03 W; Dep 30.0; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.44, Plg=64, Azm=321; (N) Val=0.99, Plg=12, Azm=204; (P) Val=-3.42, Plg=22, Azm=109; Best double couple: Mo=2.9*10**17 Nm; NP1: Strike=177, Dip=25, Slip=61; NP2: Strike=29, Dip=68, Slip=103.
20	07	31	31.5&	33.897	S	72.450	W	2				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
20	07	48	19.6	45.923	N	14.419	E	10	G		0.9	10	NORTHWESTERN BALKAN REGION. ML 2.5 (VIE), 1.9 (LJU).
20	07	55	37.1&	33.068	S	72.069	W	5				11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
20	08	12	13.6*	5.751	S	151.868	E	33	N	4.1	0.9	11	NEW BRITAIN REGION, P.N.G.
20	09	13	59.5&	32.868	S	71.531	W	52				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
20	09	32	38.4&	39.535	N	27.580	E	9				8	TURKEY. <ISK>. MD 2.8 (ISK).
20	09	33	16.9&	39.587	N	28.923	E	10	G			4	TURKEY. <ISK>. MD 2.7 (ISK).
20	09	34	00.1&	32.523	S	71.709	W	8				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
20	09	36	38.7&	32.407	S	71.318	W	45				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
20	10	00	01.4	36.357	N	70.392	E	227	*	3.9	0.9	23	HINDU KUSH REGION, AFGHANISTAN
20	10	29	21.5&	40.433	N	29.266	E	12				5	TURKEY. <ISK>. MD 2.5 (ISK).
20	10	29	35.5&	47.100	N	1.900	W	2				5	FRANCE. <LDG>. ML 2.2 (LDG).
20	11	21	52.8%	39.970	S	46.226	E	10	G		1.1	9	SOUTHWEST INDIAN RIDGE

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20  11 49 11.2* 17.754 S  178.785 W  578 ?  4.3       0.9   42  FIJI ISLANDS REGION
20  11 50 54.3& 36.153 N  120.768 W    1                      16  CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK), 3.0
                                                                  (PAS).
20  12 16 33.9% 39.853 S  174.971 E   33 N            0.5   10  NORTH ISLAND, NEW ZEALAND. ML 3.8 (WEL).
20  13 38 18.1& 33.122 S   71.090 W   62                      10  NEAR COAST OF CENTRAL CHILE. <GUC>.
20  14 17 19.6& 59.914 N  152.386 W   73                      32  SOUTHERN ALASKA. <AEIC>.
20  14 26 23.8& 42.800 N    1.700 E    2                       9  PYRENEES. <LDG>. ML 2.7 (STR), 2.3 (LDG).
20  14 40 17.3  13.956 S  167.063 E  118 D  5.1       1.0  161  VANUATU ISLANDS. Mw 5.3 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   14:40:19.6; Lat 14.29 S; Lon 167.04 E; Dep 117.3; Half-
                                                                   duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                   Val=8.41, Plg=37, Azm=126; (N) Val=0.98, Plg=53, Azm=302;
                                                                   (P) Val=-9.39, Plg=2, Azm=35; Best double couple:
                                                                   Mo=8.9*10**16 Nm; NP1: Strike=164, Dip=64, Slip=154; NP2:
                                                                   Strike=267, Dip=67, Slip=29.
20  15 09 25.8& 63.490 N  151.252 W   10                      17  CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
20  15 21 55.2  57.957 S   25.698 W   59 D            0.6   18  SOUTH SANDWICH ISLANDS REGION
20  16 05 12.1* 51.501 N   16.248 E    5 G            0.2    7  POLAND. ML 3.1 (VIE), 2.7 (WAR).
20  16 16 01.1  51.454 N  178.178 W   33 N  5.1 4.5  0.9  279  ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.2 (HRV). ML 5.4 (PMR).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   16:16:04.3; Lat 51.43 N; Lon 177.98 W; Dep 42.4; Half-
                                                                   duration 1.1 sec; Principal axes (scale 10**16 Nm): (T)
                                                                   Val=7.89, Plg=61, Azm=313; (N) Val=-0.21, Plg=7, Azm=56;
                                                                   (P) Val=-7.69, Plg=27, Azm=150; Best double couple:
                                                                   Mo=7.8*10**16 Nm; NP1: Strike=259, Dip=19, Slip=114; NP2:
                                                                   Strike=54, Dip=73, Slip=82.
20  16 18 43.5? 51.80  N  178.87  W   33 N  4.6       0.5   11  ANDREANOF ISLANDS, ALEUTIAN IS.
20  17 12 55.3*  5.260 S  145.869 E   33 N            0.7    6  EASTERN NEW GUINEA REG., P.N.G.
20  17 14 24.5% 41.517 N   80.161 E   33 N            1.2   10  SOUTHERN XINJIANG, CHINA
20  18 33 40.5& 63.479 N  151.147 W   17                      19  CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
20  18 38 24.6& 34.057 S   72.013 W   41                      10  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
20  18 51 01.2? 31.64  S   70.05  W  150 G            0.4   12  CHILE-ARGENTINA BORDER REGION. MD 3.3 (GUC).
20  19 10 53.5& 31.649 S   70.041 W  150                       8  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
20  19 23 57.9* 30.731 N  138.045 E  400 G  3.1       1.2    9  SOUTH OF HONSHU, JAPAN
20  19 42 28.3& 44.590 N    6.759 E    0                      28  FRANCE. <GEN>. ML 2.5 (GEN), 2.3 (LDG), 2.1 (STR).
20  19 47 21.1* 42.389 N   46.315 E   33 N            1.2    7  EASTERN CAUCASUS
20  19 51 52.2*  6.419 S  130.061 E  138 *  4.2       1.0   13  BANDA SEA
20  20 05 15.5   4.430 S  144.015 E  119    4.0       0.9   21  NEAR N COAST OF NEW GUINEA, PNG.
20  20 19 52.8   1.439 N  127.184 E  155 *  4.7       1.1   40  HALMAHERA, INDONESIA
20  20 43 59.1? 35.02  S  179.40  W   33 N  4.6       1.2   18  EAST OF NORTH ISLAND, N.Z.
20  20 50 49.8& 37.010 N    3.470 W    0 G                     5  SPAIN. <MDD>. mbLg 1.7 (MDD).
20  21 08 48.3& 59.507 N  152.899 W   85                      29  SOUTHERN ALASKA. <AEIC>.
20  21 21 55.1   7.770 S  106.951 E   67 D  5.5       1.2  246  JAWA, INDONESIA. Mw 5.5 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   21:21:57.4; Lat 8.28 S; Lon 106.87 E; Dep 64.0; Half-
                                                                   duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                                   Val=1.72, Plg=45, Azm=33; (N) Val=0.01, Plg=43, Azm=235;
                                                                   (P) Val=-1.73, Plg=11, Azm=135; Best double couple:
                                                                   Mo=1.7*10**17 Nm; NP1: Strike=185, Dip=50, Slip=28; NP2:
                                                                   Strike=76, Dip=69, Slip=137.
20  22 26 26.5& 60.205 N  152.932 W  109                      34  SOUTHERN ALASKA. <AEIC>.
20  22 52 08.2  17.754 S  179.000 W  565 D  4.8       1.0  118  FIJI ISLANDS REGION
20  22 56 34.3  36.874 N   35.546 E   58    3.7       0.8   38  TURKEY. MD 4.1 (ISK).
20  23 00 08.6& 41.871 N   20.467 E   12                       9  ALBANIA. <PDG>. ML 2.2 (PDG).
20  23 20 20.5  40.707 N   19.794 E   62 *  3.9       1.2   46  ALBANIA. MD 3.6 (PDG).
20  23 58 01.2& 59.990 N  152.805 W   94                      30  SOUTHERN ALASKA. <AEIC>.
21  00 12 34.6& 38.590 N   31.218 E   10 G                     5  TURKEY. <ISK>. MD 3.0 (ISK).
21  00 33 53.4& 34.703 S   72.207 W    0                      10  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
21  00 43 21.8& 63.048 N  150.421 W  108                      49  CENTRAL ALASKA. <AEIC>.
21  01 59 01.0* 15.248 S   75.884 W   33 N  4.6       1.2   17  NEAR COAST OF PERU
21  02 04 46.2? 5.39   S  147.07  E  220 *             1.5    6  EASTERN NEW GUINEA REG., P.N.G.
21  02 34 54.8? 10.49  S  165.92  E  155 ?  4.2       0.9   18  SANTA CRUZ ISLANDS
21  02 38 09.4& 35.753 N  121.270 W    2                      12  CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK), 3.3
                                                                  (PAS).
21  03 02 23.8*  2.139 S   77.166 W  177 *  4.1       0.4    9  PERU-ECUADOR BORDER REGION
21  03 20 41.8* 35.891 S  178.994 E  100 G  4.8       1.4   29  OFF E. COAST OF N. ISLAND, N.Z.
21  03 21 10.3* 28.706 N  142.413 E   33 N  4.3 4.4  1.2   28  BONIN ISLANDS REGION
21  03 35 53.0  10.590 S  118.428 E   33 N  4.7       1.2   27  SOUTH OF SUMBAWA, INDONESIA
21  03 38 05.0& 16.419 N   99.990 W    3                       9  NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.8 (UNM).
21  03 51 20.0& 40.675 N   28.964 E    8                       5  TURKEY. <ISK>. MD 2.6 (ISK).
21  03 59 24.3& 42.542 N   19.106 E   20                       4  NORTHWESTERN BALKAN REGION. <PDG>. ML 1.0 (PDG).
21  04 47 18.8& 62.011 N  147.383 W   36                      56  CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 2.9 (PMR).
21  05 15 44.0& 60.004 N  152.572 W   98                      49  SOUTHERN ALASKA. <AEIC>.
21  05 35 08.8  11.385 S  118.319 E   33 N  3.4       1.0   10  SOUTH OF SUMBAWA, INDONESIA
21  05 57 02.6& 40.600 N  124.708 W   20                      12  NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 3.4
                                                                  (BRK).
21  06 03 02.6*  6.059 S  150.875 E   33 N  4.1       1.2   11  NEW BRITAIN REGION, P.N.G.
21  06 19 03.5* 31.444 S   69.452 W  100 G            0.9   15  SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (GUC).
21  06 52 41.1   0.262 N  122.467 E  147 D  6.1       1.2  276  MINAHASSA PENINSULA, SULAWESI. Mw 6.0 (GS), 5.9 (HRV). Me
                                                                  6.1 (GS). Felt (IV) at Gorontalo and (III) at Luwuk and
                                                                  Manado.
                                                                  Broadband Source Parameters (GS): Dep 140; NP1: Strike=280,
                                                                  Dip=48, Slip=90; NP2: Strike=100, Dip=42, Slip=90; Radiated
                                                                  energy 3.3*10**13 Nm.
                                                                  Moment Tensor (GS): Dep 144; Principal axes (scale 10**18
                                                                  Nm): (T) Val=1.08, Plg=80, Azm=171; (N) Val=-0.01, Plg=7,
                                                                  Azm=307; (P) Val=-1.07, Plg=7, Azm=38; Best double couple:
                                                                  Mo=1.1*10**18 Nm; NP1: Strike=136, Dip=38, Slip=102; NP2:
                                                                  Strike=301, Dip=53, Slip=81.
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  06:52:45.1; Lat 0.46 N; Lon 122.53 E; Dep 144.1; Half-
                                                                  duration 2.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                                  Val=8.43, Plg=77, Azm=196; (N) Val=-0.05, Plg=0, Azm=105;
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(P) Val=-8.38, Plg=13, Azm=15; Best double couple: Mo=8.4*10**17 Nm; NP1: Strike=105, Dip=32, Slip=90; NP2: Strike=285, Dip=58, Slip=90.

21	07	03	05.1	14.133	N	123.132	E	29		4.9	4.3	1.0	53	LUZON, PHILIPPINE ISLANDS
21	07	08	39.5&	40.396	N	27.780	E	10	G				4	TURKEY. <ISK>. MD 2.6 (ISK).
21	07	16	07.2*	14.225	N	123.141	E	33	N			1.5	8	LUZON, PHILIPPINE ISLANDS
21	08	45	34.6&	39.668	N	29.323	E	10	G				5	TURKEY. <ISK>. MD 2.6 (ISK).
21	09	06	08.9	29.158	S	137.474	E	10	G			0.9	8	SOUTH AUSTRALIA
21	09	20	18.7	14.063	N	123.104	E	33	N	4.1		1.3	15	LUZON, PHILIPPINE ISLANDS
21	10	15	22.7&	60.504	N	150.475	W	60					47	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC), 2.7 (PMR).
21	10	18	14.1?	5.77	S	152.03	E	33	N	3.0		1.2	7	NEW BRITAIN REGION, P.N.G.
21	10	45	28.2*	27.631	N	128.339	E	60	*	4.3		1.6	8	RYUKYU ISLANDS
21	11	24	41.2	39.822	N	25.786	E	10	G			1.0	13	AEGEAN SEA. MD 3.2 (ISK).
21	11	28	13.9*	9.205	S	112.291	E	33	N			1.4	6	SOUTH OF JAWA, INDONESIA
21	11	33	37.8&	41.947	N	20.505	E	12					9	ALBANIA. <PDG>. ML 2.9 (PDG).
21	11	41	08.0%	31.416	S	117.824	E	10	G			0.9	7	WESTERN AUSTRALIA
21	11	44	25.2%	30.803	S	117.071	E	10	G			0.2	5	WESTERN AUSTRALIA
21	11	58	37.7&	59.906	N	151.201	W	42					61	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PMR).
21	12	02	30.3&	59.724	N	152.614	W	80					44	SOUTHERN ALASKA. <AEIC>.
21	12	09	39.6	13.573	S	166.791	E	33	N	6.0	6.3	1.2	375	VANUATU ISLANDS. Mw 6.4 (HRV), 6.3 (GS). Me 6.2 (GS). Ms 6.4 (BRK). Felt on Espiritu Santo.

Broadband Source Parameters (GS): Dep 32; NP1: Strike=180, Dip=45, Slip=90; NP2: Strike=0, Dip=45, Slip=90; Radiated energy 4.2*10**13 Nm. Two events about 1.5 seconds aparts. Depth based on first event.

Moment Tensor (GS): Dep 33; Principal axes (scale 10**18 Nm): (T) Val=2.90, Plg=85, Azm=243; (N) Val=-0.03, Plg=0, Azm=338; (P) Val=-2.87, Plg=5, Azm=68; Best double couple: Mo=2.9*10**18 Nm; NP1: Strike=158, Dip=40, Slip=91; NP2: Strike=338, Dip=50, Slip=89.

Centroid, Moment Tensor (HRV): Centroid origin time 12:09:47.4; Lat 13.67 S; Lon 166.67 E; Dep 43.0 Bdy; Half-duration 3.7 sec; Principal axes (scale 10**18 Nm): (T) Val=3.78, Plg=81, Azm=255; (N) Val=0.20, Plg=1, Azm=351; (P) Val=-3.98, Plg=9, Azm=81; Best double couple: Mo=3.9*10**18 Nm; NP1: Strike=172, Dip=36, Slip=92; NP2: Strike=350, Dip=54, Slip=89.

Scalar Moment (PPT): Mo=7.0*10**18 Nm.

21	12	22	06.6&	54.977	N	160.768	W	58					12	ALASKA PENINSULA. <AEIC>. ML 2.7 (AEIC).
21	12	23	13.2	18.234	N	146.670	E	33	N	4.6		1.1	49	MARIANA ISLANDS
21	13	00	04.1	48.360	N	148.771	E	396		4.3		0.7	78	NORTHWEST OF KURIL ISLANDS
21	13	39	09.0&	31.924	S	70.618	W	109					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
21	13	49	38.5*	45.676	N	26.611	E	154	?			0.8	13	ROMANIA
21	14	42	06.7&	54.479	N	162.224	W	80					13	ALASKA PENINSULA. <AEIC>.
21	14	54	25.5&	31.785	S	71.389	W	1					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
21	15	24	48.5&	39.609	N	29.600	E	9					5	TURKEY. <ISK>. MD 2.7 (ISK).
21	16	15	22.2?	8.48	S	155.68	E	177	?	4.4		1.4	18	SOLOMON ISLANDS
21	16	29	35.9	23.778	N	121.754	E	10	G	4.6		1.1	25	TAIWAN
21	16	44	12.5*	21.043	S	178.806	W	600	G	4.5		1.0	22	FIJI ISLANDS REGION
21	16	48	01.4&	19.101	N	98.534	W	1					16	CENTRAL MEXICO. <UNM>. MD 4.0 (UNM).
21	17	11	10.8&	33.866	S	70.204	W	117					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC).
21	17	36	25.5*	27.960	N	127.769	E	33	N	4.0		1.1	8	RYUKYU ISLANDS
21	17	38	00.4	22.832	S	68.872	W	102	D	4.8		0.9	60	NORTHERN CHILE
21	17	51	24.3?	35.92	S	179.09	E	300	G	4.1		0.6	15	OFF E. COAST OF N. ISLAND, N.Z.
21	18	02	08.6*	30.612	N	137.994	E	468	*	3.9		1.1	21	SOUTH OF HONSHU, JAPAN
21	18	22	49.6	13.033	N	143.255	E	209	*	4.4		1.2	47	SOUTH OF MARIANA ISLANDS
21	18	23	18.1*	45.936	N	142.222	E	339	*	3.7		1.1	13	HOKKAIDO, JAPAN REGION
21	19	09	27.6?	35.00	S	179.28	W	33	N	4.6		0.9	13	EAST OF NORTH ISLAND, N.Z.
21	19	45	56.4	39.655	N	118.150	W	10	G			1.0	8	NEVADA. ML 3.3 (GS).
21	20	16	19.1*	70.612	N	6.464	W	10	G	4.3		0.9	8	JAN MAYEN ISLAND REGION
21	21	35	27.2	31.074	N	51.231	E	33	N	5.2	4.6	1.0	304	NORTHERN IRAN. Mw 5.1 (HRV). Felt at Yasuj.

Centroid, Moment Tensor (HRV): Centroid origin time 21:35:27.5; Lat 30.90 N; Lon 51.07 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.16, Plg=22, Azm=299; (N) Val=-0.39, Plg=67, Azm=135; (P) Val=-4.76, Plg=5, Azm=32; Best double couple: Mo=5.0*10**16 Nm; NP1: Strike=78, Dip=71, Slip=12; NP2: Strike=343, Dip=78, Slip=160.

21	23	09	52.5*	8.618	S	108.050	E	33	N			0.9	9	JAWA, INDONESIA
21	23	21	20.7&	48.436	N	121.805	W	58					10	WASHINGTON. <SEA-P>. MD 2.8 (SEA).
21	23	24	40.6*	29.940	N	88.005	E	33	N	4.1		1.0	16	XIZANG
21	23	56	46.5&	32.697	S	69.849	W	1					8	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.2 (GUC).
22	00	24	25.9&	41.999	N	19.268	E	10					8	ALBANIA. <PDG>. ML 2.0 (PDG).
22	01	08	28.0	39.187	N	71.437	E	62	?	4.5		1.0	38	TAJIKISTAN
22	01	16	55.4	11.822	N	143.154	E	9		5.8	5.8	1.1	207	SOUTH OF MARIANA ISLANDS. Mw 6.0 (GS), 6.0 (HRV). Me 5.7 (GS).

Broadband Source Parameters (GS): Dep 8; NP1: Strike=75, Dip=80, Slip=40; NP2: Strike=337, Dip=51, Slip=167; Radiated energy 8.0*10**12 Nm.

Moment Tensor (GS): Dep 4; Principal axes (scale 10**18 Nm): (T) Val=1.20, Plg=50, Azm=351; (N) Val=0.15, Plg=3, Azm=85; (P) Val=-1.35, Plg=39, Azm=178; Best double couple: Mo=1.3*10**18 Nm; NP1: Strike=296, Dip=7, Slip=122; NP2: Strike=84, Dip=84, Slip=87.

Centroid, Moment Tensor (HRV): Centroid origin time 01:17:02.4; Lat 11.67 N; Lon 143.21 E; Dep 15.0 Bdy; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=1.27, Plg=70, Azm=346; (N) Val=0.09, Plg=1, Azm=79; (P) Val=-1.36, Plg=20, Azm=170; Best double couple: Mo=1.3*10**18 Nm; NP1: Strike=262, Dip=25, Slip=93; NP2: Strike=79, Dip=65, Slip=89.

22	01	51	53.9&	34.730	S	70.819	W	103					9	CHILE-ARGENTINA BORDER REGION. <GUC>.
22	01	59	08.3&	59.455	N	153.221	W	1					32	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).

22	02	04	38.1*	11.768	N	143.335	E	10	G	4.6	1.1	12	SOUTH OF MARIANA ISLANDS
22	02	36	22.7?	46.59	N	151.44	E	33	N	4.0	1.3	9	KURIL ISLANDS
22	02	57	56.6*	39.445	N	10.958	W	10	G		0.8	14	NORTH ATLANTIC OCEAN. mbLg 2.7 (MDD).
22	04	59	29.0?	5.94	S	150.83	E	33	N	4.1	0.6	5	NEW BRITAIN REGION, P.N.G.
22	05	21	24.5?	11.78	N	143.10	E	10	G	4.6	0.9	9	SOUTH OF MARIANA ISLANDS
22	05	37	32.3&	35.537	S	71.300	W	87				7	CENTRAL CHILE. <GUC>. MD 2.8 (GUC).
22	06	08	23.8*	35.976	N	22.660	E	68	*	3.4	1.0	20	CENTRAL MEDITERRANEAN SEA
22	06	27	47.0&	59.946	N	151.775	W	46				29	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
22	06	47	00.7	7.282	S	155.539	E	33	N	5.0	1.1	75	SOLOMON ISLANDS
22	06	50	24.5*	15.159	S	75.720	W	33	N	4.5	1.2	30	NEAR COAST OF PERU
22	08	01	16.1*	5.037	S	153.397	E	65	*	4.1	1.0	15	NEW IRELAND REGION, P.N.G.
22	08	21	31.0*	6.876	N	73.034	W	158	*	4.4	0.9	39	NORTHERN COLOMBIA
22	08	57	58.2&	34.611	S	71.290	W	59				7	NEAR COAST OF CENTRAL CHILE. <GUC>.
22	09	23	01.6	44.631	N	150.293	E	33	N	4.9 4.3	0.9	62	EAST OF KURIL ISLANDS
22	12	12	45.5&	53.938	N	166.208	W	13				6	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.5 (AEIC).
22	12	13	28.1&	15.941	N	96.506	W	56				6	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 3.8 (UNM).
22	13	08	40.0&	32.687	S	70.432	W	98				11	CHILE-ARGENTINA BORDER REGION. <GUC>.
22	13	58	42.2	27.974	N	128.007	E	33	N	4.7	1.2	23	RYUKYU ISLANDS
22	14	03	20.5&	53.952	N	166.212	W	15				5	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.7 (AEIC).
22	14	13	19.4&	53.927	N	166.198	W	13				6	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.5 (AEIC).
22	14	45	21.8*	0.163	S	121.786	E	216	?	4.3	0.4	14	MINAHASSA PENINSULA, SULAWESI
22	15	42	31.2&	41.960	N	20.579	E	10				9	ALBANIA. <PDG>. ML 2.2 (PDG).
22	16	37	43.7*	20.915	N	144.772	E	200	G	4.3	0.8	11	MARIANA ISLANDS
22	16	47	15.7*	49.827	N	18.366	E	10	G		0.4	6	CZECH AND SLOVAK REPUBLICS. ML 3.2 (VIE), 3.1 (WAR).
22	17	25	04.0&	19.088	N	98.544	W	1				16	CENTRAL MEXICO. <UNM>. MD 4.0 (UNM).
22	18	19	52.7&	32.387	S	71.415	W	42				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
22	18	21	26.8	16.366	S	175.942	W	337	*	3.9	0.6	28	TONGA ISLANDS
22	19	27	30.4	20.146	S	45.353	E	10	G	4.7 4.6	0.8	66	MADAGASCAR
22	19	56	20.3	51.639	N	16.166	E	5	G		0.9	18	POLAND. ML 3.5 (GRF), 3.1 (VIE), 3.1 (WAR).
22	21	17	42.5&	32.381	S	71.358	W	38				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC). Felt (IV) at Papudo and Zapallar; (III) at La Ligua, Puchuncavi, Quillota, Quintero and Santiago; (II) at Limache, San Felipe, Valparaiso and Vina del Mar.
22	21	33	21.3	1.399	N	126.926	E	64		4.8	0.8	50	NORTHERN MOLUCCA SEA
22	21	52	26.1&	33.132	S	70.293	W	7				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
22	21	56	27.8*	13.921	S	166.873	E	100	G	4.6	1.0	15	VANUATU ISLANDS
22	22	12	48.6	46.064	N	14.789	E	10	G		0.3	6	NORTHWESTERN BALKAN REGION. ML 1.2 (LJU).
22	22	48	31.0*	35.512	N	27.390	E	33	N	3.9	1.0	28	DODECANESE ISLANDS
22	22	54	56.9&	59.083	N	154.330	W	126				42	SOUTHERN ALASKA. <AEIC>.
22	23	23	36.1&	41.800	N	15.916	E	10				177	SOUTHERN ITALY. <ROM>. ML 4.5 (PDG), 4.2 (LDG), 3.9 (ROM).
22	23	45	33.6&	45.000	N	6.600	E	2				6	FRANCE. <LDG>. ML 1.6 (LDG).
23	01	21	24.9	44.746	N	146.214	E	159	D	4.5	0.9	97	KURIL ISLANDS
23	01	44	16.6&	33.315	S	71.289	W	51				9	NEAR COAST OF CENTRAL CHILE. <GUC>.
23	02	30	13.5&	35.500	N	3.810	W	15				11	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.2 (MDD).
23	02	41	57.7?	8.68	S	129.14	E	33	N	4.3	1.0	12	TIMOR SEA
23	02	52	21.0&	34.530	S	71.202	W	62				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.1 (GUC).
23	03	15	58.8	5.932	S	151.689	E	48	*	4.5	0.7	26	NEW BRITAIN REGION, P.N.G.
23	03	58	10.2&	46.200	N	7.000	E	2				6	SWITZERLAND. <LDG>. ML 1.8 (LDG).
23	03	59	55.9?	18.43	S	178.05	W	600	G	4.0	0.8	11	FIJI ISLANDS REGION
23	04	23	08.1&	32.851	S	72.853	W	23				11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
23	04	27	45.3&	41.729	N	15.821	E	10				105	SOUTHERN ITALY. <ROM>. ML 4.0 (PDG), 3.8 (LDG). MD 3.7 (ROM).
23	04	37	53.5*	51.161	N	5.744	E	5	G		1.0	11	THE NETHERLANDS. ML 2.8 (LDG), 2.4 (STR), 2.3 (UCC).
23	04	56	23.8*	5.694	S	151.940	E	64	*	4.0	0.7	13	NEW BRITAIN REGION, P.N.G.
23	04	58	11.7&	32.382	S	71.417	W	39				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
23	05	50	40.5*	24.155	S	66.762	W	200	G	3.9	0.7	12	SALTA PROVINCE, ARGENTINA
23	06	05	25.8&	34.279	S	72.232	W	36				8	NEAR COAST OF CENTRAL CHILE. <GUC>.
23	06	11	31.5&	34.511	S	72.160	W	32				8	NEAR COAST OF CENTRAL CHILE. <GUC>.
23	06	16	36.3	3.483	N	122.285	E	596		4.9	0.9	60	CELEBES SEA
23	08	10	20.6&	44.410	N	7.290	E	9				6	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
23	09	21	12.9	14.089	N	117.363	E	33	N	3.9	1.1	19	PHILIPPINE ISLANDS REGION
23	09	35	41.9	5.379	S	76.768	W	33	N	4.8	0.9	50	NORTHERN PERU
23	09	45	28.6*	5.570	S	103.927	E	33	N	4.4	1.0	17	SOUTHERN SUMATERA, INDONESIA
23	09	50	27.0	48.653	N	8.906	E	10	G		0.6	7	GERMANY. ML 2.0 (STR).
23	10	13	45.0?	5.89	S	147.19	E	200	G	3.8	0.8	6	EASTERN NEW GUINEA REG., P.N.G.
23	10	19	56.3&	61.537	N	146.634	W	29				51	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
23	10	50	38.5*	34.182	S	179.606	W	33	N	4.2	1.0	15	SOUTH OF KERMADEC ISLANDS
23	11	17	36.5?	19.32	S	70.43	W	76	D	4.1	1.4	8	NEAR COAST OF NORTHERN CHILE
23	12	22	11.9&	59.851	N	152.831	W	96				79	SOUTHERN ALASKA. <AEIC>.
23	12	46	23.3?	20.40	S	67.52	E	10	G	4.2	1.5	9	MID-INDIAN RIDGE
23	13	29	28.4	46.020	N	14.800	E	10	G		1.1	8	NORTHWESTERN BALKAN REGION. ML 2.4 (VIE).
23	13	50	43.1*	31.534	S	178.310	W	33	N	4.5	1.0	15	KERMADEC ISLANDS REGION
23	14	46	21.0?	31.83	S	68.46	W	100	G		0.9	13	SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (GUC).
23	15	36	10.3	55.954	N	161.886	E	33	N	4.7 4.2	0.8	71	NEAR EAST COAST OF KAMCHATKA
23	15	37	31.2	49.204	S	121.587	E	10	G	4.6	1.1	27	SOUTH OF AUSTRALIA
23	15	49	47.5*	20.360	S	177.769	W	550	G	4.3	1.1	27	FIJI ISLANDS REGION
23	17	24	28.3*	1.766	S	134.093	E	33	N	4.1	1.0	14	IRIAN JAYA REGION, INDONESIA
23	18	12	39.9	22.706	S	63.628	W	545	*	4.1	0.8	20	SALTA PROVINCE, ARGENTINA
23	18	44	02.3	40.009	N	16.085	E	10	G	3.6	1.1	41	SOUTHERN ITALY. ML 3.7 (ROM), 3.5 (PDG).
23	18	46	51.5&	31.746	S	70.105	W	135				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
23	18	58	47.5&	32.184	S	71.394	W	61				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.5 (GUC).
23	19	01	09.5&	36.530	N	3.400	W	0	G			15	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.9 (MDD).
23	19	08	37.4*	21.205	S	69.625	W	100	G	4.1	1.0	11	NORTHERN CHILE
23	19	59	00.0	9.718	N	125.519	E	33	N	4.8 4.2	1.0	64	MINDANAO, PHILIPPINE ISLANDS
23	20	41	14.3	37.288	N	21.134	E	33	N	4.0	1.3	41	SOUTHERN GREECE
23	20	55	35.1?	7.09	N	72.83	W	142	?	4.0	0.9	11	NORTHERN COLOMBIA
23	21	23	45.5*	9.128	N	126.468	E	33	N	4.4	1.2	6	MINDANAO, PHILIPPINE ISLANDS
23	21	42	57.4&	59.413	N	152.601	W	77				42	SOUTHERN ALASKA. <AEIC>.
23	22	16	38.4&	36.870	N	2.990	W	15				7	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.7 (MDD).
23	22	31	20.3&	31.153	N	115.619	W	14				8	BAJA CALIFORNIA, MEXICO. <ECX>. MD 3.8 (ECX).
23	22	34	23.8?	16.53	S	177.88	W	33	N	4.0	0.9	8	FIJI ISLANDS REGION
23	23	05	59.2&	16.236	N	98.055	W	5				20	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.3 (UNM).
23	23	19	58.8&	36.708	S	71.341	W	198				11	CENTRAL CHILE. <GUC>.
23	23	23	55.1&	33.249	S	71.919	W	24				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.9 (GUC).

23	23	29	30.1&	19.091	N	98.529	W	3					8	CENTRAL MEXICO. <UNM>. MD 3.9 (UNM).
23	23	47	56.2?	45.54	N	26.47	E	150	G			0.2	5	ROMANIA
24	00	00	58.2*	50.220	N	129.758	W	10	G	4.1		1.1	12	VANCOUVER ISLAND REGION
24	00	48	22.0&	37.000	N	3.450	W	16					13	SPAIN. <MDD>. mbLg 1.9 (MDD).
24	01	23	21.4&	42.310	N	1.240	E	10	G				7	PYRENEES. <STR>. ML 2.5 (STR), 2.1 (LDG).
24	01	36	14.4&	46.700	N	7.100	E	2					6	SWITZERLAND. <LDG>. ML 2.0 (LDG).
24	01	52	31.0*	37.703	N	70.050	E	33	N	3.8		1.2	13	AFGHANISTAN-TAJIKISTAN BORD REG.
24	02	00	45.5	52.088	N	169.582	W	33	N	4.5		1.1	69	FOX ISLANDS, ALEUTIAN ISLANDS
24	02	02	55.8&	44.428	N	7.221	E	10					23	NORTHERN ITALY. <GEN>. ML 2.2 (GEN), 1.8 (LDG).
24	02	14	32.7&	44.346	N	7.298	E	11					33	NORTHERN ITALY. <GEN>. ML 2.7 (GEN), 2.3 (LDG), 2.2 (STR).
24	02	20	06.2*	23.328	N	93.877	E	33	N			1.3	6	MYANMAR-INDIA BORDER REGION
24	02	24	04.5&	54.627	N	161.533	W	4					14	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
24	03	10	41.1&	36.370	N	2.210	W	12					13	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.7 (MDD).
24	03	22	12.8?	6.68	S	148.02	E	67	*	4.2		0.5	11	NEW BRITAIN REGION, P.N.G.
24	03	40	18.7&	36.300	N	2.260	W	11					8	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.1 (MDD).
24	03	43	02.8	38.498	N	73.340	E	119	D	4.4		1.0	50	TAJIKISTAN-XINJIANG BORDER REG.
24	03	59	05.4	46.040	N	14.798	E	10	G			0.9	37	NORTHWESTERN BALKAN REGION. ML 3.9 (GRF), 3.4 (FUR), 3.3 (LJU), 3.3 (VIE), 3.3 (CLL), 3.3 (LDG). Felt (V) in the Litija area, Slovenia.
24	04	32	32.4&	39.713	S	175.498	E	10	G			0.4	11	NORTH ISLAND, NEW ZEALAND. ML 4.0 (WEL).
24	05	00	14.2	46.071	N	14.768	E	10	G			0.3	7	NORTHWESTERN BALKAN REGION. ML 2.1 (VIE), 1.6 (LJU).
24	05	07	14.0&	46.500	N	4.400	E	2					9	FRANCE. <LDG>. ML 2.4 (STR), 2.0 (LDG).
24	06	02	43.7*	31.553	N	140.703	E	74	D	4.6		1.3	18	SOUTH OF HONSHU, JAPAN
24	07	45	49.5&	37.820	N	1.470	W	0	G				25	SPAIN. <MDD>. mbLg 3.0 (MDD). Felt (III) at Alhama de Murcia and Totana.
24	07	48	51.8*	36.427	N	70.829	E	190	?	4.3		1.0	16	HINDU KUSH REGION, AFGHANISTAN
24	08	12	57.2	71.147	N	5.994	W	10	G	4.2		1.4	20	JAN MAYEN ISLAND REGION
24	08	14	16.5	16.759	S	174.403	W	146	*	4.5		0.6	33	TONGA ISLANDS
24	08	28	53.5*	21.745	S	176.611	W	100	G	4.9		1.0	33	FIJI ISLANDS REGION
24	08	43	59.8&	42.005	N	20.480	E	10					9	NORTHWESTERN BALKAN REGION. <PDG>. ML 2.3 (PDG).
24	09	28	10.0&	33.735	S	70.686	W	83					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
24	09	35	15.9*	2.308	N	79.447	W	33	N	3.9		1.2	9	SOUTH OF PANAMA
24	09	38	53.5&	47.500	N	7.300	E	2					10	SWITZERLAND. <LDG>. ML 2.2 (LDG).
24	09	59	49.9&	45.300	N	6.400	E	2					28	FRANCE. <LDG>. ML 2.5 (LDG), 2.2 (STR).
24	10	30	02.8*	31.572	N	140.576	E	77	D	4.3		1.2	23	SOUTH OF HONSHU, JAPAN
24	10	32	38.3&	32.485	S	69.056	W	145					10	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.7 (GUC).
24	11	14	14.9&	14.806	N	60.458	W	43					9	WINDWARD ISLANDS. <FDF>. MG 3.8 (FDF).
24	11	22	22.5*	13.373	N	89.780	W	75	*	4.0		1.2	22	EL SALVADOR. MD 3.6 (SSS). Felt (II) at San Salvador.
24	11	42	55.9?	5.82	S	148.23	E	33	N	4.1		1.0	9	NEW BRITAIN REGION, P.N.G.
24	12	11	01.3&	15.658	N	96.494	W	16					5	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.0 (UNM).
24	12	23	24.3?	30.98	S	68.85	W	120	G			1.0	12	SAN JUAN PROVINCE, ARGENTINA. MD 3.3 (GUC).
24	12	56	35.8*	19.054	N	145.720	E	150	G	4.1		1.1	19	MARIANA ISLANDS
24	12	58	29.8&	56.922	N	5.463	W	7					4	UNITED KINGDOM. <BGS>. ML 1.5 (BGS).
24	13	22	40.9	43.107	N	126.467	W	10	G	4.5	4.2	0.9	140	OFF COAST OF OREGON
24	13	52	07.5?	26.37	S	28.06	E	5	G			0.5	4	REPUBLIC OF SOUTH AFRICA
24	14	18	19.2&	15.240	N	61.302	W	16					6	LEEWARD ISLANDS. <FDF>. MG 2.5 (FDF).
24	14	37	08.1&	8.394	N	82.537	W	9					4	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.4 (UPA).
24	14	41	14.5*	51.442	N	16.329	E	5	G			1.0	6	POLAND. ML 2.6 (WAR).
24	14	45	47.7&	32.099	S	70.019	W	111					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
24	16	00	14.4	46.676	N	15.172	E	10	G			0.3	7	NORTHWESTERN BALKAN REGION. ML 2.6 (VIE), 2.0 (LJU).
24	17	23	51.4&	33.157	S	70.274	W	0					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
24	18	53	40.1	46.313	N	106.288	E	33	N	5.5	5.3	0.9	363	MONGOLIA. Mw 5.6 (HRV). Damage to houses at Mandalgovi and other towns in the epicentral area. Felt at Ulaanbaatar. Felt (IV) at Zakamensk and (II) at Ulan-Ude, Russia. Centroid, Moment Tensor (HRV): Centroid origin time 18:53:43.3; Lat 46.04 N; Lon 106.04 E; Dep 33.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.57, Plg=21, Azm=312; (N) Val=-0.29, Plg=66, Azm=162; (P) Val=-2.28, Plg=11, Azm=46; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=91, Dip=67, Slip=8; NP2: Strike=358, Dip=83, Slip=157.
24	18	56	00.4*	4.854	S	152.935	E	33	N	4.4		1.0	9	NEW BRITAIN REGION, P.N.G.
24	19	18	32.2&	40.014	N	16.072	E	10		3.7			62	SOUTHERN ITALY. <ROM>. MD 3.6 (ROM). ML 3.6 (PDG).
24	19	26	18.9&	45.500	N	6.700	E	2					5	FRANCE. <LDG>. ML 1.4 (LDG).
24	20	04	07.9*	11.393	S	117.673	E	33	N	4.0		1.2	10	SOUTH OF SUMBAWA, INDONESIA
24	20	35	01.4&	33.868	S	70.131	W	7					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
24	20	49	40.8*	51.365	N	16.235	E	5	G			1.1	6	POLAND. ML 2.6 (WAR).
24	21	00	06.3&	32.308	S	71.478	W	35					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
24	21	18	45.8&	37.750	N	1.630	W	9					19	SPAIN. <MDD>. mbLg 2.6 (MDD). Felt (III) at Lorca.
24	21	59	34.5	37.485	N	141.266	E	84	D	4.8		0.8	119	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) in northern Miyagi and (II JMA) in eastern Fukushima, southern Iwate, much of Miyagi and eastern Yamagata Prefectures. Felt (I JMA) as far south as northern Chiba Prefecture and in the Tokyo area.
24	23	03	26.4?	22.82	S	66.37	W	249	?			1.0	6	JUJUY PROVINCE, ARGENTINA
24	23	10	26.8*	24.897	N	66.320	E	10	G	3.8		1.1	14	PAKISTAN
25	01	55	48.5	49.359	N	104.392	E	33	N	4.0		1.0	19	MONGOLIA. Felt (II) at Zakamensk, Russia.
25	02	07	31.2&	32.628	S	71.752	W	31					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
25	02	26	11.0&	34.551	S	72.294	W	15					6	NEAR COAST OF CENTRAL CHILE. <GUC>.
25	03	01	36.9&	59.449	N	152.785	W	76					69	SOUTHERN ALASKA. <AEIC>.
25	03	07	14.6&	42.640	N	7.580	W	0	G				5	SPAIN. <MDD>. mbLg 2.4 (MDD).
25	03	49	04.4*	39.634	N	75.070	E	33	N	3.8		1.1	13	SOUTHERN XINJIANG, CHINA
25	03	53	14.0&	46.500	N	0.700	E	2					19	FRANCE. <LDG>. ML 2.6 (STR), 2.3 (LDG).
25	04	16	18.1&	61.141	N	151.135	W	60					66	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
25	04	20	54.6&	41.104	N	19.912	E	11					9	ALBANIA. <PDG>. ML 3.0 (PDG).
25	05	21	13.6*	0.289	S	18.056	W	10	G	4.5		0.8	19	CENTRAL MID-ATLANTIC RIDGE
25	05	25	35.0?	26.89	N	55.18	E	33	N	3.9		1.0	8	SOUTHERN IRAN
25	05	59	52.5&	31.750	S	69.741	W	152					11	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
25	06	06	19.3	45.938	N	14.875	E	10	G			0.3	9	NORTHWESTERN BALKAN REGION. ML 2.7 (VIE), 2.4 (LJU). Felt (IV) in the Trebnje area, Slovenia.
25	06	32	55.1&	63.409	N	149.613	W	109					35	CENTRAL ALASKA. <AEIC>.
25	06	33	19.6&	32.340	S	71.356	W	46					6	NEAR COAST OF CENTRAL CHILE. <GUC>.
25	06	37	15.7	39.557	N	75.026	E	33	N	4.3		1.2	22	SOUTHERN XINJIANG, CHINA

25	07	11	42.0&	17.814	N	99.025	W	42				11	GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).
25	07	55	05.0	8.841	S	74.353	W	200	G	3.9	0.4	11	PERU-BRAZIL BORDER REGION
25	08	16	49.1&	34.112	S	71.555	W	39				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
25	08	23	46.5*	5.781	S	146.990	E	75	*	4.4	1.3	22	EASTERN NEW GUINEA REG., P.N.G.
25	08	47	57.0&	43.441	N	5.460	E	1	G			12	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.5 (LDG).
25	09	13	40.8&	33.470	S	68.213	W	14				7	MENDOZA PROVINCE, ARGENTINA. <GUC>.
25	09	34	12.1&	15.110	N	60.694	W	60				4	LEEWARD ISLANDS. <FDF>. MG 2.0 (FDF).
25	09	36	57.3&	33.764	S	70.272	W	119				12	CHILE-ARGENTINA BORDER REGION. <GUC>.
25	10	04	45.3&	33.047	S	71.753	W	42				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
25	10	22	50.2?	13.39	N	91.27	W	33	N		1.2	12	NEAR COAST OF GUATEMALA. MD 4.2 (UNM).
25	12	50	05.1?	27.77	N	127.54	E	33	N		0.9	6	RYUKYU ISLANDS
25	13	59	36.8	39.656	N	44.152	E	62	*	4.2	1.3	28	ARMENIA-AZERBAIJAN-IRAN BORD REG
25	14	44	01.8	43.357	N	127.043	W	10	G		0.8	53	OFF COAST OF OREGON
25	15	05	05.2&	32.337	S	71.401	W	43				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
25	15	51	31.5*	26.904	S	26.574	E	5	G	4.6	1.3	20	REPUBLIC OF SOUTH AFRICA
25	15	52	42.1&	61.550	N	150.630	W	65				64	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC), 3.4 (PMR).
25	16	20	09.9	40.273	N	29.082	E	10	G	3.9	1.1	38	TURKEY. Felt at Osmaniye.
25	17	42	11.5*	50.498	N	159.420	E	10	G	4.3	0.8	11	EAST OF KURIL ISLANDS
25	18	19	30.6?	11.29	S	166.09	E	33	N		1.2	5	SANTA CRUZ ISLANDS
25	18	31	01.8?	5.21	S	151.13	E	33	N	4.0	0.7	7	NEW BRITAIN REGION, P.N.G.
25	18	31	17.5&	32.727	S	70.072	W	122				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
25	18	45	09.0&	41.612	N	19.523	E	14				9	ALBANIA. <PDG>. ML 2.5 (PDG).
25	19	48	06.7&	48.290	N	7.480	E	2				7	FRANCE. <STR>. ML 1.8 (LDG).
25	19	52	52.0	41.495	N	80.388	W	5	G	4.8 4.3	0.8	87	OHIO. Mw 4.5 (HRV). mbLg 5.2 (GS). Minor damage (VI) at Greenville and Jamestown, Pennsylvania. Felt throughout northern Ohio and most of Pennsylvania. Felt in northern Indiana, southeastern Michigan, West Virginia and New York as far east as Syracuse. Felt in parts of Illinois and New Jersey. Also felt in much of southern Ontario, Canada. Centroid, Moment Tensor (HRV): Centroid origin time 19:52:55.3; Lat 41.43 N; Lon 80.41 W; Dep 12.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**15 Nm): (T) Val=5.04, Plg=60, Azm=148; (N) Val=4.18, Plg=30, Azm=330; (P) Val=-9.23, Plg=1, Azm=240; Best double couple: Mo=7.1*10**15 Nm; NP1: Strike=303, Dip=51, Slip=51; NP2: Strike=176, Dip=53, Slip=128.
25	20	02	59.0*	3.220	S	12.319	W	10	G	4.5	0.9	15	NORTH OF ASCENSION ISLAND
25	21	23	44.0&	60.684	N	147.538	W	15				6	SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.6 (PMR).
25	21	28	59.9	51.717	N	16.167	E	5	G		0.6	17	POLAND. ML 3.8 (GRF), 3.6 (VIE), 3.2 (WAR).
25	23	16	03.3&	37.010	N	3.500	W	0	G			7	SPAIN. <MDD>. mbLg 1.4 (MDD).
25	23	38	19.9&	53.920	N	166.189	W	10				10	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.9 (AEIC).
25	23	49	56.3	18.230	N	145.712	E	113	*	5.3	1.0	170	MARIANA ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:49:57.0; Lat 18.04 N; Lon 146.01 E; Dep 113.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.26, Plg=32, Azm=196; (N) Val=-1.69, Plg=16, Azm=296; (P) Val=-5.57, Plg=54, Azm=49; Best double couple: Mo=6.4*10**16 Nm; NP1: Strike=244, Dip=20, Slip=-144; NP2: Strike=120, Dip=79, Slip=-74.
25	23	56	51.7&	44.600	N	6.300	E	2				8	FRANCE. <LDG>. ML 1.9 (LDG).
26	00	33	51.1?	30.94	S	68.86	W	100	G		1.2	13	SAN JUAN PROVINCE, ARGENTINA. MD 3.3 (GUC).
26	01	01	40.7&	19.398	N	99.061	W	13				7	CENTRAL MEXICO. <UNM>. MD 2.3 (UNM).
26	01	10	07.5&	15.271	N	98.548	W	8				5	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
26	01	25	16.8*	16.509	N	95.957	E	33	N		0.8	6	NEAR SOUTH COAST OF MYANMAR
26	01	48	13.0	54.700	N	159.678	W	33	N	4.4	1.2	42	SOUTH OF ALASKA. ML 4.2 (AEIC), 4.2 (PMR).
26	02	17	40.5*	22.510	S	68.275	W	127	?	4.4	1.0	12	NORTHERN CHILE
26	02	32	11.5&	45.945	N	14.885	E	10	G		0.1	5	NORTHWESTERN BALKAN REGION. ML 1.3 (LJU).
26	04	05	55.3	34.023	S	72.241	W	33	N	4.3	1.0	23	NEAR COAST OF CENTRAL CHILE. MD 4.7 (GUC).
26	04	33	15.9&	14.253	N	61.084	W	15				4	WINDWARD ISLANDS. <FDF>.
26	04	45	33.7?	20.50	S	178.95	W	600	G	3.9	0.9	10	FIJI ISLANDS REGION
26	05	13	04.6&	63.435	N	126.639	W	5		4.0		26	NORTHWEST TERRITORIES, CANADA. <PGC>. mbLg 4.3 (PGC).
26	05	13	07.9	8.858	S	106.427	E	33	N	4.6	1.0	32	SOUTH OF JAWA, INDONESIA
26	05	20	00.3?	52.54	N	178.47	E	45	?	4.1	1.0	10	RAT ISLANDS, ALEUTIAN ISLANDS
26	06	15	18.6*	5.979	S	131.285	E	33	N	4.6	1.0	9	BANDA SEA
26	07	36	57.7&	31.215	S	71.836	W	21				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
26	08	05	26.5	48.827	N	10.216	E	5	G		0.9	8	GERMANY. ML 2.5 (LDG), 2.5 (STR), 2.4 (VIE).
26	08	34	12.4&	61.972	N	146.998	W	44				14	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.7 (PMR).
26	09	29	59.5	43.479	N	139.820	E	222	*	4.0	1.0	23	EASTERN SEA OF JAPAN
26	10	57	33.7	6.525	S	155.791	E	204	D	5.2	0.8	145	SOLOMON ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:57:31.6; Lat 6.94 S; Lon 155.94 E; Dep 192.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.84, Plg=10, Azm=105; (N) Val=-0.42, Plg=2, Azm=14; (P) Val=-6.42, Plg=80, Azm=270; Best double couple: Mo=6.6*10**16 Nm; NP1: Strike=198, Dip=35, Slip=-86; NP2: Strike=12, Dip=55, Slip=-93.
26	11	26	53.8*	4.971	S	151.462	E	100	G	4.3	1.2	13	NEW BRITAIN REGION, P.N.G.
26	11	51	23.8	38.313	N	22.096	E	33	N	4.2	1.4	47	GREECE
26	11	56	27.8&	44.641	N	6.806	E	8				14	FRANCE. <GEN>. ML 2.1 (GEN), 2.0 (LDG).
26	12	02	19.7*	15.193	S	167.673	E	100	G	4.6	1.1	29	VANUATU ISLANDS
26	12	47	41.4*	46.235	N	15.838	E	10	G		0.7	8	NORTHWESTERN BALKAN REGION. ML 2.6 (VIE).
26	12	48	13.1	37.160	N	70.105	E	100	G	4.3	1.3	31	AFGHANISTAN-TAJIKISTAN BORD REG.
26	13	23	17.5*	7.620	S	120.320	E	100	G	3.8	0.8	7	FLORES SEA
26	13	43	30.5*	37.484	N	70.518	E	82	?	4.3	1.3	15	AFGHANISTAN-TAJIKISTAN BORD REG.
26	14	24	16.9*	38.390	N	22.022	E	33	N	3.9	1.2	11	GREECE
26	14	31	16.5	19.748	N	109.045	W	33	N	4.3	1.2	51	REVILLA GIGEDO ISLANDS REGION
26	14	31	18.7&	16.781	N	98.785	W	18				13	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
26	14	45	48.3?	15.55	S	174.93	W	300	G	3.6	1.0	20	TONGA ISLANDS
26	15	00	48.0&	44.393	N	6.673	E	4				23	FRANCE. <GEN>. ML 2.4 (GEN), 2.1 (STR), 2.0 (LDG).
26	15	54	21.0*	33.776	N	89.793	E	33	N	3.9	1.5	17	XIZANG
26	17	11	10.0	0.120	S	124.775	E	33	N	4.5	0.8	23	SOUTHERN MOLUCCA SEA
26	17	50	02.6*	17.934	S	178.399	W	600	G	4.4	1.0	39	FIJI ISLANDS REGION
26	18	18	17.2*	10.233	N	126.864	E	33	N		1.4	7	PHILIPPINE ISLANDS REGION

26	18	27	05.4	27.770	N	92.812	E	33	N	5.4	0.9	280	EASTERN XIZANG-INDIA BORDER REG. Mw 5.0 (HRV). Felt in the epicentral area, Xizang. Centroid, Moment Tensor (HRV): Centroid origin time 18:27:13.9; Lat 27.87 N; Lon 93.60 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.28, Plg=65, Azm=270; (N) Val=0.63, Plg=12, Azm=27; (P) Val=-3.91, Plg=21, Azm=122; Best double couple: Mo=3.6*10**16 Nm; NP1: Strike=233, Dip=26, Slip=118; NP2: Strike=22, Dip=67, Slip=77.
26	19	08	21.4*	27.607	N	92.582	E	33	N	3.9	1.2	14	EASTERN XIZANG-INDIA BORDER REG.
26	19	20	38.8&	44.349	N	7.251	E	12				7	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
26	19	55	56.9?	51.15	N	15.86	E	5	G		1.4	7	POLAND. ML 2.8 (VIE), 2.7 (WAR).
26	20	05	46.9&	34.082	S	70.401	W	11				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
26	20	21	44.7*	3.590	S	138.026	E	33	N	4.1	1.3	11	IRIAN JAYA, INDONESIA
26	20	48	44.1*	27.521	N	86.135	E	33	N	3.9	1.1	13	NEPAL
26	21	22	52.6&	37.530	N	118.802	W	6				18	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK).
26	21	43	30.2&	43.000	N	0.700	W	15				7	PYRENEES. <LDG>. ML 2.6 (STR), 2.1 (LDG).
26	21	59	54.0*	53.940	N	164.192	W	33	N		1.2	12	UNIMAK ISLAND REGION
26	22	12	35.4	2.936	S	141.305	E	33	N	4.4	1.0	21	NEAR N COAST OF NEW GUINEA, PNG.
26	22	14	22.1&	31.172	S	71.641	W	32				10	NEAR COAST OF CENTRAL CHILE. <GUC>.
26	23	27	04.6	43.840	N	111.003	W	10	G		0.7	21	EASTERN IDAHO. ML 3.3 (GS), 3.2 (BUT).
26	23	43	47.4?	32.54	N	132.54	E	10	G	4.4	1.0	10	SHIKOKU, JAPAN
27	00	57	59.9&	61.568	N	149.656	W	35		5.0 4.2		215	SOUTHERN ALASKA. <AEIC>. Mw 5.0 (HRV). ML 5.0 (AEIC), 5.1 (PMR). Felt (V) at Eagle River and (IV) at Anchorage, Big Lake, Butte, Palmer, Sutton and Wasilla. Felt throughout south-central Alaska. Centroid, Moment Tensor (HRV): Centroid origin time 00:58:01.7; Lat 61.60 N; Lon 150.08 W; Dep 64.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.36, Plg=28, Azm=297; (N) Val=0.17, Plg=20, Azm=38; (P) Val=-3.53, Plg=55, Azm=158; Best double couple: Mo=3.5*10**16 Nm; NP1: Strike=347, Dip=24, Slip=-144; NP2: Strike=223, Dip=76, Slip=-70.
27	01	32	44.3*	2.981	S	129.981	E	33	N	3.7	1.3	9	SERAM, INDONESIA
27	01	33	29.7&	43.100	N	0.400	W	2				16	PYRENEES. <LDG>. ML 2.9 (LDG). mbLg 2.8 (MDD). Felt (III) at Asson, France.
27	01	47	30.5%	34.209	S	147.421	E	10	G		1.3	5	NEW SOUTH WALES, AUSTRALIA
27	03	23	15.5?	8.79	S	75.87	W	130	?		0.7	10	CENTRAL PERU
27	03	58	19.6&	54.094	N	164.088	W	19				13	UNIMAK ISLAND REGION. <AEIC>. ML 3.1 (AEIC).
27	04	15	38.3?	21.84	S	173.79	W	33	N		1.5	11	TONGA ISLANDS
27	04	35	21.6*	55.301	S	26.579	W	33	N	4.9	0.7	18	SOUTH SANDWICH ISLANDS REGION
27	04	49	29.9&	11.340	N	61.908	W	107				7	WINDWARD ISLANDS. <TRN>. MD 3.4 (TRN).
27	04	52	12.9&	61.587	N	149.568	W	31				34	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.4 (PMR).
27	04	57	51.3&	33.579	S	71.816	W	33				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.9 (GUC).
27	05	20	13.1	19.934	S	133.661	E	10	G	3.9	1.3	12	NORTHERN TERRITORY, AUSTRALIA
27	05	20	26.7*	7.307	S	147.895	E	83		4.7	0.9	21	EASTERN NEW GUINEA REG., P.N.G.
27	05	36	41.5&	60.764	N	149.781	W	31				55	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
27	06	04	01.0&	32.393	S	70.005	W	121				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
27	06	12	07.1*	2.418	S	139.375	E	33	N	3.5	1.1	12	NEAR NORTH COAST OF IRIAN JAYA
27	06	17	55.3	0.594	S	91.650	W	10	G	4.6 4.3	1.0	43	GALAPAGOS ISLANDS
27	06	23	52.3&	33.366	S	72.642	W	3				9	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
27	06	26	21.2	1.764	N	127.159	E	128		5.3	1.1	74	HALMAHERA, INDONESIA
27	06	45	47.5&	61.363	N	149.907	W	33	N			57	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
27	07	21	55.3	28.629	N	142.449	E	33	N	4.5 4.5	1.3	35	BONIN ISLANDS REGION
27	08	50	06.6	8.051	S	108.851	E	127	*	3.7	1.1	19	JAWA, INDONESIA
27	08	55	19.2	37.813	N	21.084	E	33	N	4.0	1.0	55	SOUTHERN GREECE
27	09	25	19.8	35.422	S	179.557	W	33	N	4.9 4.9	1.1	49	EAST OF NORTH ISLAND, N.Z. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:25:23.9; Lat 35.23 S; Lon 178.98 W; Dep 26.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.95, Plg=60, Azm=329; (N) Val=1.30, Plg=17, Azm=208; (P) Val=-8.25, Plg=25, Azm=110; Best double couple: Mo=7.6*10**16 Nm; NP1: Strike=168, Dip=25, Slip=48; NP2: Strike=34, Dip=72, Slip=108.
27	09	29	37.9*	19.627	N	147.593	E	33	N		0.8	14	MARIANA ISLANDS REGION
27	09	34	50.1*	19.578	N	147.465	E	33	N		0.9	10	MARIANA ISLANDS REGION
27	09	48	20.4%	39.078	N	70.714	E	33	N		1.2	7	TAJIKISTAN
27	10	10	36.5*	35.732	S	179.201	E	91	*	4.6	1.3	38	OFF E. COAST OF N. ISLAND, N.Z.
27	10	52	07.5	21.557	N	143.297	E	300	G	3.8	0.8	26	MARIANA ISLANDS REGION
27	11	03	57.6&	56.193	N	4.098	W	4				4	UNITED KINGDOM. <BGS>. ML 1.2 (BGS).
27	11	07	16.1	20.270	S	175.876	W	207	D	5.2	0.9	204	TONGA ISLANDS. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:07:22.0; Lat 20.38 S; Lon 175.54 W; Dep 231.9; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.50, Plg=60, Azm=263; (N) Val=-0.18, Plg=13, Azm=15; (P) Val=-3.33, Plg=27, Azm=112; Best double couple: Mo=3.4*10**17 Nm; NP1: Strike=230, Dip=21, Slip=127; NP2: Strike=11, Dip=73, Slip=77.
27	11	34	36.9	29.484	N	130.643	E	33	N	4.7 4.9	1.1	88	RYUKYU ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:34:44.0; Lat 29.35 N; Lon 130.78 E; Dep 64.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.44, Plg=66, Azm=341; (N) Val=1.17, Plg=14, Azm=217; (P) Val=-9.61, Plg=19, Azm=122; Best double couple: Mo=9.0*10**16 Nm; NP1: Strike=190, Dip=29, Slip=60; NP2: Strike=44, Dip=66, Slip=105.
27	11	56	51.8&	32.232	S	70.963	W	61				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
27	12	04	42.0&	32.088	N	115.650	W	11				4	CALIF.-BAJA CALIF. BORDER REGION. <ECX>. MD 3.4 (ECX). ML 3.0 (PAS).
27	12	16	07.2?	8.17	S	130.45	E	100	G	4.3	1.4	10	TANIMBAR ISLANDS REG., INDONESIA
27	12	23	49.8&	34.278	S	71.985	W	6				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
27	12	48	04.0&	35.848	S	71.257	W	106				10	CENTRAL CHILE. <GUC>.

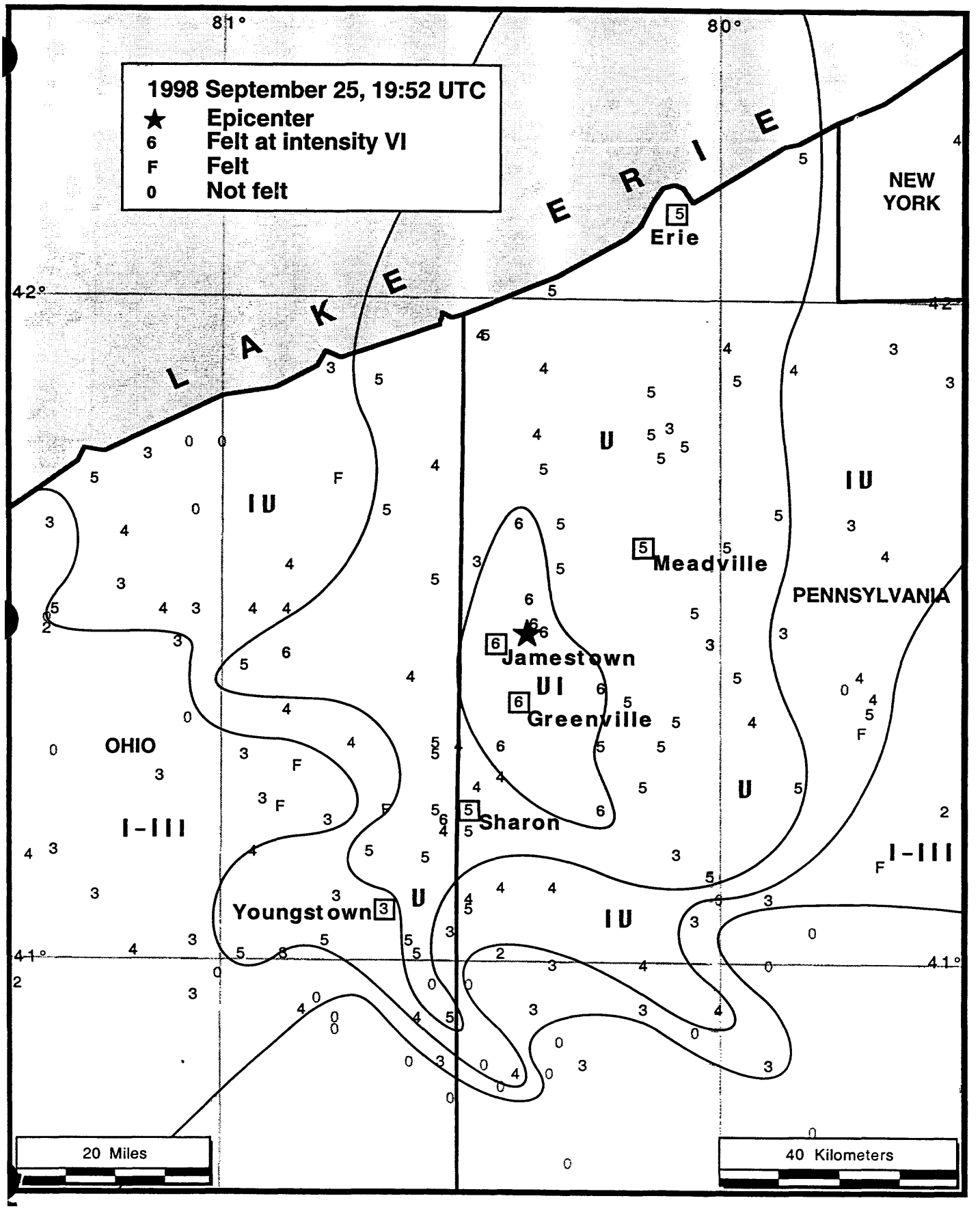
27	12	51	39.5&	32.300	S	70.049	W	114				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
27	13	05	56.0&	34.314	S	70.556	W	116				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
27	13	57	20.5*	19.582	N	147.225	E	33	N	4.8	1.2	19	MARIANA ISLANDS REGION
27	15	23	47.6	2.155	N	126.699	E	72	?	4.7	1.0	43	NORTHERN MOLUCCA SEA
27	16	08	03.5&	31.924	S	69.618	W	139				13	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.7 (GUC).
27	16	18	34.6&	16.159	N	98.066	W	5				6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.8 (UNM).
27	16	28	45.6	46.033	N	14.792	E	10	G		1.2	10	NORTHWESTERN BALKAN REGION. ML 2.0 (VIE), 1.6 (LJU).
27	16	28	59.9	3.403	S	131.142	E	33	N	4.3	1.1	21	IRIAN JAYA REGION, INDONESIA
27	16	41	13.3	3.416	S	130.981	E	33	N	4.3	1.4	27	SERAM, INDONESIA
27	17	02	20.6*	24.535	N	122.601	E	57	?	3.8	0.7	13	TAIWAN REGION
27	17	50	20.2	32.049	N	131.646	E	33	N	4.4 3.7	1.0	31	KYUSHU, JAPAN
27	18	43	32.5&	32.354	S	71.416	W	20				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
27	19	20	55.1*	32.857	N	136.279	E	449		3.7	0.6	13	SOUTHEAST OF SHIKOKU, JAPAN
27	21	36	22.4*	1.866	N	99.184	E	121	D	4.4	0.8	23	NORTHERN SUMATERA, INDONESIA
27	21	43	07.2&	31.740	S	69.882	W	146				12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.4 (GUC).
27	22	10	45.3?	31.43	N	141.60	E	33	N		1.5	8	SOUTH OF HONSHU, JAPAN
27	22	54	33.4	40.591	S	175.375	E	33	N		0.8	16	NORTH ISLAND, NEW ZEALAND. ML 4.0 (WEL).
27	23	06	05.2&	34.563	S	72.054	W	3				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
27	23	41	39.4&	43.300	N	0.600	W	2				12	PYRENEES. <LDG>. ML 2.8 (STR), 2.5 (LDG).
27	23	58	17.3&	37.020	N	3.660	W	0	G			4	SPAIN. <MDD>. mbLg 1.2 (MDD).
28	00	01	22.1&	44.663	N	7.183	E	11				9	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
28	00	01	47.5&	16.288	N	97.811	W	5				4	OAXACA, MEXICO. <UNM>. MD 3.7 (UNM).
28	00	08	35.0&	48.370	N	9.010	E	10				37	GERMANY. <FBB>. ML 2.6 (LDG), 2.5 (VIE), 2.3 (FBB), 2.3 (GRF), 2.3 (FUR), 2.3 (STR).
28	00	34	52.0&	53.648	N	165.019	W	51				19	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.7 (AEIC).
28	01	26	06.6*	14.050	S	167.068	E	33	N		1.2	12	VANUATU ISLANDS
28	02	39	09.4&	53.605	N	164.974	W	47		4.5		34	UNIMAK ISLAND REGION. <AEIC>. ML 4.0 (AEIC).
28	02	42	38.8	3.738	N	126.241	E	41	*	4.7	1.1	43	TALAUD ISLANDS, INDONESIA
28	02	54	28.0%	39.572	S	175.710	E	10	G		0.2	12	NORTH ISLAND, NEW ZEALAND. ML 4.1 (WEL).
28	03	13	43.3*	57.215	S	141.218	W	10	G	4.4	1.1	11	PACIFIC-ANTARCTIC RIDGE
28	03	53	40.0&	40.360	N	124.950	W	14				19	NEAR COAST OF NORTHERN CALIF. <GM-P>. ML 3.2 (GM), 3.3 (BRK).
28	04	00	43.3*	3.786	N	126.411	E	80	?	4.3	1.0	14	TALAUD ISLANDS, INDONESIA
28	04	07	04.0*	32.321	S	179.314	E	500	G	4.5	1.1	18	SOUTH OF KERMADEC ISLANDS
28	04	50	52.8*	6.002	S	147.630	E	79	*	4.4	0.9	12	EASTERN NEW GUINEA REG., P.N.G.
28	05	43	28.1	3.740	N	126.307	E	73		4.9	1.1	67	TALAUD ISLANDS, INDONESIA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:43:25.1; Lat 3.94 N; Lon 126.30 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.36, Plg=77, Azm=100; (N) Val=0.28, Plg=10, Azm=321; (P) Val=-6.64, Plg=9, Azm=229; Best double couple: Mo=6.5*10**16 Nm; NP1: Strike=307, Dip=37, Slip=73; NP2: Strike=148, Dip=54, Slip=103.
28	06	11	42.1*	28.463	N	129.316	E	83	*	4.6	1.3	26	RYUKYU ISLANDS. Felt (III JMA) on Amami O-shima and (I JMA) on Kikai-shima and Tokuno-shima.
28	06	45	33.7	5.360	S	146.510	E	175		4.7	0.8	25	EASTERN NEW GUINEA REG., P.N.G.
28	06	46	10.3*	28.995	S	69.995	W	125	*	4.1	0.6	14	CHILE-ARGENTINA BORDER REGION
28	06	57	23.6?	45.68	N	26.59	E	150	G		0.4	5	ROMANIA
28	07	29	12.4	16.491	S	177.223	E	82	?	4.8	1.1	62	FIJI ISLANDS
28	07	56	12.4&	19.431	N	155.232	W	1		4.1		15	HAWAII. <HVO-P>. MD 4.6 (HVO). Items knocked from shelves at Volcano. Felt at Glenwood, Mauna Loa Estates and Volcano.
28	07	59	48.0&	43.800	N	7.700	E	2				12	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.3 (LDG), 1.9 (STR).
28	08	05	42.1&	64.883	N	148.609	W	18				17	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC). Felt at Ester.
28	08	13	49.2*	5.344	S	146.045	E	59	*	4.3	0.7	12	EASTERN NEW GUINEA REG., P.N.G.
28	08	57	26.4*	21.407	N	122.249	E	33	N	4.3	1.2	20	TAIWAN REGION
28	09	05	26.6	19.364	S	70.232	W	44	D	4.5 4.1	0.9	46	NEAR COAST OF NORTHERN CHILE. Felt (III) at Arica and Iquique.
28	10	41	02.5*	3.825	N	126.595	E	76	?	4.2	1.1	15	TALAUD ISLANDS, INDONESIA
28	10	55	20.3	51.715	N	16.180	E	5	G		1.0	20	POLAND. ML 4.0 (GRF), 3.6 (VIE), 3.5 (WAR).
28	11	01	30.2	31.592	S	69.082	W	114	D	4.4	0.9	54	SAN JUAN PROVINCE, ARGENTINA
28	11	13	28.4%	38.717	N	36.907	E	10	G		0.8	6	TURKEY
28	11	51	17.8*	51.392	N	16.140	E	5	G		0.7	7	POLAND. ML 3.4 (VIE), 2.9 (WAR).
28	11	59	49.9&	19.429	N	155.229	W	1				11	HAWAII. <HVO-P>. MD 4.1 (HVO). Felt at Volcano.
28	12	37	34.9&	38.823	N	122.793	W	5		3.4		29	NORTHERN CALIFORNIA. <GM-P>. ML 3.4 (GM), 3.5 (BRK).
28	12	53	18.4	5.369	N	126.695	E	61		5.0	1.1	82	MINDANAO, PHILIPPINE ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:53:21.7; Lat 5.71 N; Lon 127.28 E; Dep 65.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.33, Plg=50, Azm=214; (N) Val=1.48, Plg=39, Azm=22; (P) Val=-6.81, Plg=5, Azm=117; Best double couple: Mo=6.1*10**16 Nm; NP1: Strike=242, Dip=52, Slip=143; NP2: Strike=356, Dip=62, Slip=44.
28	13	25	01.9&	47.100	N	0.100	W	2				12	FRANCE. <LDG>. ML 2.4 (LDG), 2.1 (STR).
28	13	29	29.0	3.747	N	126.277	E	63		5.0	1.1	75	TALAUD ISLANDS, INDONESIA
28	13	34	30.4	8.194	S	112.413	E	152	D	6.4	1.4	418	JAWA, INDONESIA. Mw 6.6 (GS), 6.6 (HRV). Me 6.7 (GS). One person killed, 38 houses destroyed and 62 others damaged in the Malang area. Some buildings and homes damaged at Blitar and Bantur. Felt throughout central and eastern Jawa. Also felt on Bali and Sumbawa. Broadband Source Parameters (GS): Radiated energy 2.4*10**14 Nm. Complex earthquake, with two events occurring about 3 seconds apart. Moment Tensor (GS): Dep 145; Principal axes (scale 10**18 Nm): (T) Val=7.56, Plg=52, Azm=359; (N) Val=0.06, Plg=13, Azm=252; (P) Val=-7.62, Plg=35, Azm=153; Best double couple: Mo=7.6*10**18 Nm; NP1: Strike=198, Dip=16, Slip=35; NP2: Strike=74, Dip=81, Slip=103. Centroid, Moment Tensor (HRV): Centroid origin time 13:34:36.8; Lat 8.36 S; Lon 112.40 E; Dep 153.0; Half-duration 4.8 sec; Principal axes (scale 10**18 Nm): (T) Val=8.39, Plg=43, Azm=341; (N) Val=-1.49, Plg=13, Azm=83; (P) Val=-6.90, Plg=45, Azm=186; Best double couple: Mo=7.7*10**18 Nm; NP1: Strike=358, Dip=13, Slip=-176; NP2: Strike=263, Dip=89, Slip=-77.

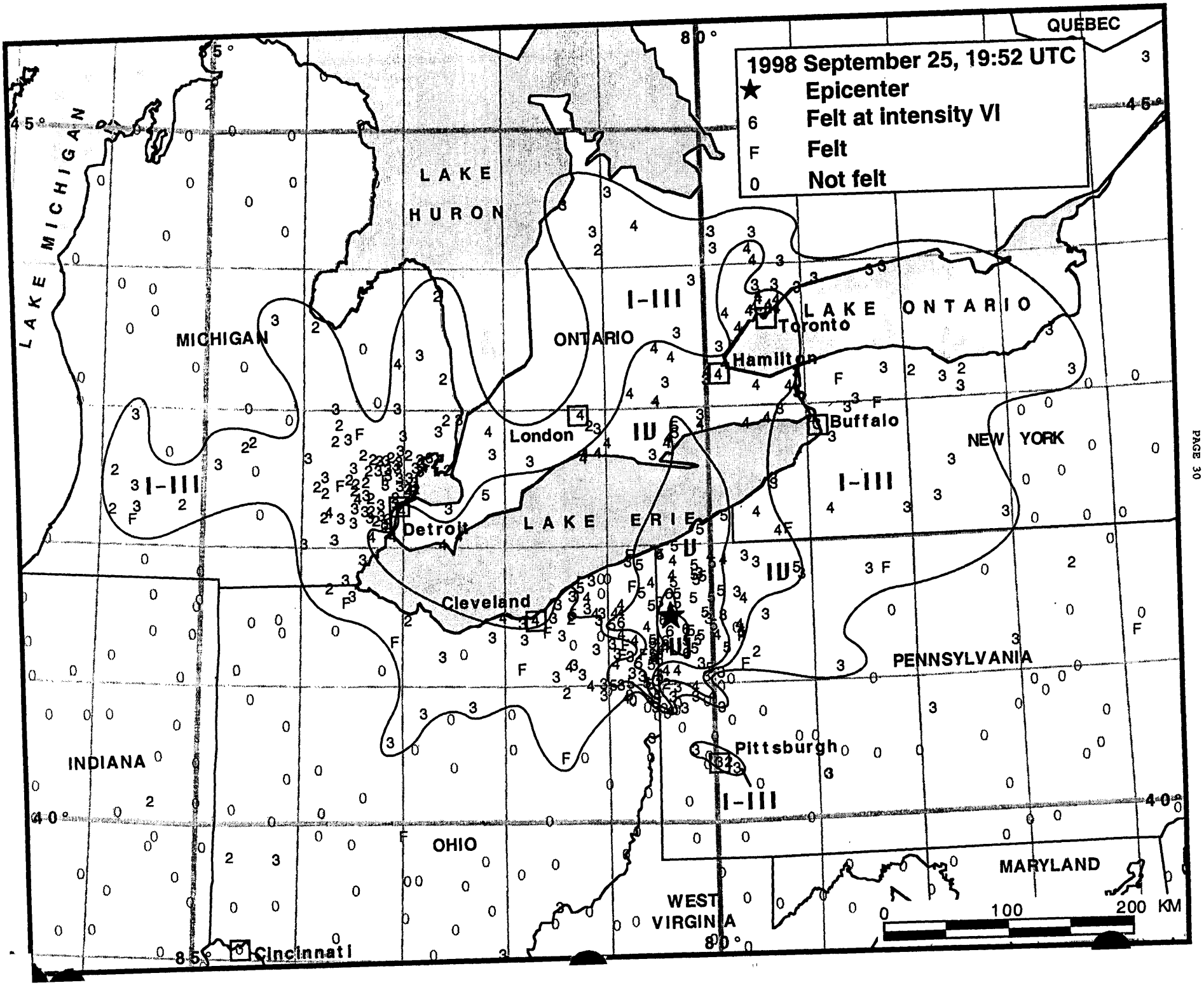
													Scalar Moment (PPT): Mo=5.9*10**18 Nm.
28	14	17	02.7&	45.200	N	6.400	E	2				20	FRANCE. <LDG>. ML 2.4 (GEN), 2.3 (LDG), 2.0 (STR).
28	15	04	07.3&	60.104	N	152.672	W	86				32	SOUTHERN ALASKA. <AEIC>.
28	16	05	56.8*	8.405	N	126.558	E	103	?		1.3	9	MINDANAO, PHILIPPINE ISLANDS
28	16	29	36.6&	52.547	N	1.806	W	12				5	UNITED KINGDOM. <BGS>. ML 1.8 (BGS).
28	16	42	47.0*	45.644	N	26.578	E	100	G		0.9	7	ROMANIA
28	16	53	17.8*	35.605	N	27.195	E	100	G	3.9	1.2	24	DODECANESE ISLANDS
28	17	26	29.6	36.578	N	48.747	E	47		4.7	1.0	53	NORTHWESTERN IRAN. Felt in Gilan Province.
28	17	40	56.8?	6.22	S	81.00	W	123	?	4.3	1.2	9	NEAR COAST OF NORTHERN PERU
28	17	49	08.0	32.408	S	179.374	E	415		4.6	1.3	54	SOUTH OF KERMADEC ISLANDS
28	18	52	39.1&	57.443	N	4.498	W	7				4	UNITED KINGDOM. <BGS>. ML 0.9 (BGS).
28	18	54	49.4&	57.450	N	4.497	W	8				4	UNITED KINGDOM. <BGS>. ML 1.1 (BGS).
28	19	04	22.1?	20.53	S	177.51	W	500	G	4.1	0.8	11	FIJI ISLANDS REGION
28	19	05	08.8&	37.800	N	2.470	W	8				25	SPAIN. <MDD>. mbLg 3.0 (MDD).
28	19	07	17.1*	37.690	N	69.102	E	33	N	4.3	1.3	22	AFGHANISTAN-TAJIKISTAN BORD REG.
28	19	23	23.2	3.840	N	126.407	E	30	D	5.8 5.9	1.3	245	TALAUD ISLANDS, INDONESIA. Mw 6.2 (HRV), 6.1 (GS). Me 6.4 (GS). Felt on the Talaud Islands. Broadband Source Parameters (GS): Dep 11; NP1: Strike=145, Dip=80, Slip=150; NP2: Strike=241, Dip=61, Slip=12; Radiated energy 8.4*10**13 Nm. Moment Tensor (GS): Dep 8; Principal axes (scale 10**18 Nm): (T) Val=1.47, Plg=61, Azm=89; (N) Val=-0.03, Plg=12, Azm=336; (P) Val=-1.43, Plg=26, Azm=240; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=305, Dip=22, Slip=56; NP2: Strike=160, Dip=72, Slip=103. Centroid, Moment Tensor (HRV): Centroid origin time 19:23:26.9; Lat 3.97 N; Lon 126.33 E; Dep 15.8 Fix; Half-duration 2.8 sec; Principal axes (scale 10**18 Nm): (T) Val=1.81, Plg=72, Azm=83; (N) Val=0.15, Plg=8, Azm=327; (P) Val=-1.96, Plg=16, Azm=235; Best double couple: Mo=1.9*10**18 Nm; NP1: Strike=313, Dip=30, Slip=74; NP2: Strike=152, Dip=61, Slip=99. Scalar Moment (PPT): Mo=2.5*10**18 Nm.
28	20	19	15.3	46.021	N	14.770	E	10	G		0.9	7	NORTHWESTERN BALKAN REGION. ML 1.7 (VIE), 1.4 (LJU).
28	20	28	55.5?	52.89	N	166.87	W	33	N		1.4	6	FOX ISLANDS, ALEUTIAN ISLANDS
28	20	31	00.7*	3.631	N	126.587	E	33	N	4.0	1.2	12	TALAUD ISLANDS, INDONESIA
28	20	43	09.7*	0.008	N	129.442	E	33	N	4.2	0.9	6	HALMAHERA, INDONESIA
28	21	28	34.5*	32.420	N	130.790	E	162	*	3.5	1.4	16	KYUSHU, JAPAN
28	21	31	05.6	27.742	N	92.709	E	33	N	4.7	1.0	59	EASTERN XIZANG-INDIA BORDER REG.
28	21	32	17.5*	57.403	S	25.986	W	33	N	4.7	1.1	22	SOUTH SANDWICH ISLANDS REGION
28	22	32	35.8*	0.587	N	124.978	E	33	N	3.7	0.9	14	MINAHASSA PENINSULA, SULAWESI
28	23	41	41.0	2.961	S	141.706	E	33	N	4.1	0.9	15	NEAR N COAST OF NEW GUINEA, PNG.
29	00	09	48.1	29.518	N	51.260	E	33	N	4.5	1.2	42	SOUTHERN IRAN
29	00	20	41.0	17.549	S	178.943	W	504	*	4.5	0.9	86	FIJI ISLANDS REGION
29	01	02	13.7	52.883	N	159.609	E	60		4.3	0.9	24	OFF EAST COAST OF KAMCHATKA. Felt (II) at Petropavlovsk-Kamchatskiy.
29	01	17	39.0	24.850	N	66.348	E	33	N	4.5	1.2	29	PAKISTAN
29	01	49	51.0	30.957	S	71.420	W	78		4.2	0.8	39	NEAR COAST OF CENTRAL CHILE. MD 4.5 (GUC).
29	02	14	28.4	3.777	N	126.270	E	49	*	4.8	1.1	49	TALAUD ISLANDS, INDONESIA
29	02	38	08.9*	6.744	N	73.173	W	172	*	4.0	0.8	32	NORTHERN COLOMBIA
29	02	42	05.3*	3.888	N	127.067	E	33	N	4.1	1.0	11	TALAUD ISLANDS, INDONESIA
29	03	12	22.7*	13.816	N	90.185	W	102	D	3.8	1.3	17	NEAR COAST OF GUATEMALA. MD 4.4 (UNM).
29	03	22	39.7	35.541	N	34.807	W	10	G	4.7 4.3	1.1	63	AZORES ISLANDS REGION
29	05	41	12.6*	2.493	N	124.344	E	300	G	4.3	1.0	23	CELEBES SEA
29	05	48	32.4	38.540	N	73.024	E	100	G	4.3	0.9	20	TAJIKISTAN-XINJIANG BORDER REG.
29	06	10	26.5&	33.746	S	70.321	W	106				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
29	06	39	12.5&	19.346	N	155.127	W	10		4.4		59	HAWAII. <HVO-P>. MD 4.8 (HVO). Felt (VI) at Fern Acres. Felt throughout the Island of Hawaii.
29	08	02	49.7&	31.803	S	70.041	W	136				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
29	08	07	19.4*	19.601	N	147.635	E	33	N		0.7	10	MARIANA ISLANDS REGION
29	08	10	18.1&	31.208	S	71.527	W	28				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
29	08	24	03.4&	34.519	S	71.432	W	54				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
29	08	25	16.0*	51.836	N	174.884	W	33	N	4.3	0.4	8	ANDREANOF ISLANDS, ALEUTIAN IS.
29	08	37	43.4	53.857	N	160.533	E	33	N	4.1	0.9	26	NEAR EAST COAST OF KAMCHATKA
29	08	46	04.3	5.316	N	126.766	E	52		4.7	0.9	40	MINDANAO, PHILIPPINE ISLANDS
29	09	05	26.4	3.777	N	96.899	E	78	D	4.9	0.9	48	NORTHERN SUMATERA, INDONESIA
29	10	16	03.3&	35.141	S	72.605	W	18				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
29	10	24	02.7*	3.787	N	126.294	E	125	*	4.2	0.9	16	TALAUD ISLANDS, INDONESIA
29	10	39	37.6*	5.425	S	145.931	E	51	*		0.9	6	EASTERN NEW GUINEA REG., P.N.G.
29	10	52	31.1*	17.455	S	175.083	W	179	*	3.9	0.7	14	TONGA ISLANDS
29	10	56	10.2&	16.096	N	61.825	W	155				5	LEEWARD ISLANDS. <FDF>. MG 2.6 (FDF).
29	11	10	55.1*	3.706	N	126.687	E	33	N	4.2	1.1	15	TALAUD ISLANDS, INDONESIA
29	11	28	29.2&	32.798	S	70.302	W	97				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.0 (GUC).
29	11	41	51.7&	33.990	S	71.215	W	56				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.3 (GUC).
29	12	36	44.1	42.664	N	18.688	E	10	G		0.2	8	NORTHWESTERN BALKAN REGION. ML 2.4 (PDG).
29	12	55	39.3	38.378	N	69.658	E	33	N	4.2	1.0	30	TAJIKISTAN
29	12	59	10.0&	44.470	N	110.350	W	2				36	YELLOWSTONE REGION, WYOMING. <SLC-P>. ML 3.2 (SLC), 3.6 (GS), 3.3 (BUT). Felt at Lake.
29	13	21	26.0&	17.252	N	95.149	W	143				5	OAXACA, MEXICO. <UNM>. MD 3.9 (UNM).
29	13	45	11.6&	31.417	S	67.898	W	128				6	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.1 (GUC).
29	15	08	21.2&	49.000	N	3.600	W	10				5	NORTH ATLANTIC OCEAN. <LDG>. ML 2.5 (LDG).
29	15	35	56.8*	54.426	N	35.055	W	10	G	4.4	0.9	16	NORTH ATLANTIC OCEAN
29	15	53	27.9	40.189	N	142.531	E	47	*	4.5	1.3	36	NEAR EAST COAST OF HONSHU, JAPAN
29	16	52	52.4&	38.460	N	0.290	W	15				10	SPAIN. <MDD>. mbLg 2.8 (MDD).
29	16	57	41.7?	14.29	N	144.07	E	33	N	3.9	0.6	8	MARIANA ISLANDS
29	17	04	38.1*	4.931	S	102.668	E	33	N	4.0	0.5	10	SOUTHERN SUMATERA, INDONESIA
29	17	07	23.5&	8.392	N	82.907	W	0				5	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.9 (UPA).
29	17	07	51.5&	45.100	N	6.600	E	2				4	FRANCE. <LDG>.
29	17	09	50.0&	44.460	N	110.330	W	2				19	YELLOWSTONE REGION, WYOMING. <SLC-P>. ML 3.1 (SLC), 3.5 (GS). Felt at Lake.
29	17	45	55.9&	16.891	N	99.648	W	55				6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.7 (UNM).
29	17	48	07.2	41.284	N	72.034	E	33	N	4.7 3.7	1.0	79	KYRGYZSTAN
29	18	03	05.2*	41.373	N	71.918	E	33	N		1.0	8	KYRGYZSTAN

29	18	53	44.7*	3.017	S	141.697	E	33	N	3.2	0.8	11	NEW GUINEA, PAPUA NEW GUINEA
29	19	08	15.0	50.026	N	18.504	E	10	G		0.6	9	POLAND. ML 3.0 (WAR), 3.0 (VIE).
29	20	17	35.3&	33.129	S	70.202	W	6				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
29	21	23	45.2	43.069	N	0.082	W	10	G		1.3	13	PYRENEES. ML 3.0 (STR). Felt (I) at Cauterets, France.
29	21	41	44.2	37.518	N	70.103	E	33	N	4.4	1.3	24	AFGHANISTAN-TAJIKISTAN BORD REG.
29	22	14	49.5	44.209	N	20.080	E	10	G	5.2 5.3	1.1	356	NORTHWESTERN BALKAN REGION. Mw 5.5 (HRV). ML 5.5 (PDG), 5.1 (THE), 5.1 (ROM). One person died from a heart attack, 17 people injured, some houses destroyed and many heavily damaged (VIII) in the Belgrade-Ljig-Valjevo area. Felt (V) at Cacak, Kragujevac, Smederevo and Titovo Uzice; (IV) at Krusevac, Novi Sad, Prijepolje and Prokuplje. Felt throughout Serbia. Also felt in the Sarajevo area, Bosnia and Herzegovina as well as in parts of Croatia and in northern Greece.
													Centroid, Moment Tensor (HRV): Centroid origin time 22:14:53.3; Lat 44.18 N; Lon 19.87 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.08, Plg=17, Azm=135; (N) Val=-0.02, Plg=70, Azm=280; (P) Val=-2.06, Plg=11, Azm=41; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=177, Dip=70, Slip=176; NP2: Strike=269, Dip=86, Slip=20.
29	22	20	18.7&	16.058	N	97.414	W	16				6	OAXACA, MEXICO. <UNM>. MD 3.9 (UNM).
29	22	28	52.8	44.228	N	20.114	E	10	G		1.0	40	NORTHWESTERN BALKAN REGION. ML 3.5 (PDG), 3.3 (ROM).
29	22	34	09.2	44.255	N	20.055	E	10	G		1.1	76	NORTHWESTERN BALKAN REGION. ML 3.8 (PDG), 3.5 (ROM).
29	23	34	32.3*	10.051	S	114.230	E	33	N		1.4	9	SOUTH OF BALI, INDONESIA
29	23	38	48.8	44.250	N	20.041	E	10	G		0.6	17	NORTHWESTERN BALKAN REGION. ML 3.2 (PDG).
30	00	49	16.1*	3.906	N	126.490	E	33	N	4.4	1.2	20	TALAUD ISLANDS, INDONESIA
30	01	00	31.7&	59.693	N	153.631	W	131		3.6		63	SOUTHERN ALASKA. <AEIC>.
30	01	32	55.3*	37.554	N	20.829	E	10	G	3.6	1.1	7	IONIAN SEA
30	02	24	23.0&	10.671	N	62.315	W	81				5	NEAR COAST OF VENEZUELA. <TRN>. MD 3.0 (TRN).
30	02	29	55.1	29.948	N	88.117	E	33	N	5.1 4.7	1.2	129	XIZANG. Mw 5.2 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 02:29:59.1; Lat 29.64 N; Lon 88.25 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.52, Plg=14, Azm=65; (N) Val=-0.82, Plg=12, Azm=158; (P) Val=-5.70, Plg=71, Azm=286; Best double couple: Mo=6.1*10**16 Nm; NP1: Strike=139, Dip=32, Slip=-112; NP2: Strike=345, Dip=60, Slip=-76.
30	02	41	21.9*	45.955	N	14.381	E	10	G		0.1	5	NORTHWESTERN BALKAN REGION. ML 1.2 (LJU).
30	03	03	56.8	17.202	S	167.832	E	33	N	5.5 5.6	1.1	188	VANUATU ISLANDS. Mw 5.8 (HRV), 5.7 (GS). Felt at Port-Vila.
													Moment Tensor (GS): Dep 20; Principal axes (scale 10**17 Nm): (T) Val=4.73, Plg=57, Azm=25; (N) Val=-0.36, Plg=30, Azm=174; (P) Val=-4.37, Plg=14, Azm=273; Best double couple: Mo=4.6*10**17 Nm; NP1: Strike=36, Dip=41, Slip=140; NP2: Strike=159, Dip=65, Slip=57.
													Centroid, Moment Tensor (HRV): Centroid origin time 03:04:01.6; Lat 17.23 S; Lon 167.55 E; Dep 24.0 Bdy; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=6.52, Plg=74, Azm=18; (N) Val=-0.06, Plg=14, Azm=169; (P) Val=-6.47, Plg=8, Azm=261; Best double couple: Mo=6.5*10**17 Nm; NP1: Strike=7, Dip=39, Slip=113; NP2: Strike=158, Dip=54, Slip=72.
													Scalar Moment (PPT): Mo=1.1*10**18 Nm.
30	03	12	44.1&	57.235	N	153.690	W	22		4.2		55	KODIAK ISLAND REGION. <AEIC>. ML 4.1 (AEIC), 4.6 (PMR). Felt (II) at Old Harbor.
30	03	14	46.0	1.377	N	125.765	E	68	*	4.7	1.1	46	NORTHERN MOLUCCA SEA
30	03	29	17.7*	42.104	N	142.634	E	33	N	4.1	1.3	12	HOKKAIDO, JAPAN REGION
30	03	47	56.8*	3.986	N	127.191	E	33	N	4.2	1.0	9	TALAUD ISLANDS, INDONESIA
30	03	50	37.9&	34.040	N	117.562	W	13				3	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS). Felt in the epicentral area.
30	05	15	37.4&	53.395	N	163.515	W	27		4.9		64	UNIMAK ISLAND REGION. <AEIC>.
30	05	28	11.9&	40.160	N	19.413	E	10		3.2		10	ALBANIA. <PDG>. ML 3.2 (PDG).
30	05	53	40.4	47.205	N	11.252	E	10	G		1.1	38	AUSTRIA. ML 3.1 (VIE), 3.1 (STR), 3.0 (LDG), 3.0 (GRF), 2.9 (FBB), 2.7 (FUR). Felt (V) at Kematen.
30	05	57	44.1*	3.854	N	126.395	E	33	N	4.5	1.1	26	TALAUD ISLANDS, INDONESIA
30	06	44	10.5*	17.383	S	167.838	E	33	N	4.4	1.3	21	VANUATU ISLANDS
30	06	54	10.3	17.431	S	167.660	E	10	G	4.8	1.1	32	VANUATU ISLANDS
30	07	00	07.2*	51.149	N	15.881	E	5	G		1.2	6	POLAND. ML 2.8 (VIE), 2.7 (WAR).
30	07	54	57.8&	34.328	S	72.475	W	32				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
30	08	36	51.1&	14.902	N	61.286	W	146				8	WINDWARD ISLANDS. <FDF>. MG 3.0 (FDF).
30	09	27	46.0*	23.200	N	124.161	E	33	N		1.1	10	SOUTHWESTERN RYUKYU ISLANDS
30	09	33	19.1?	41.16	S	85.97	W	10	G	5.0 4.5	1.3	23	WEST CHILE RISE. Mw 5.4 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 09:33:18.4; Lat 41.43 S; Lon 86.05 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.34, Plg=22, Azm=40; (N) Val=-0.10, Plg=56, Azm=273; (P) Val=-1.24, Plg=25, Azm=140; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=179, Dip=56, Slip=-2; NP2: Strike=270, Dip=88, Slip=-146.
30	09	48	01.3	44.221	N	20.123	E	10	G		0.7	10	NORTHWESTERN BALKAN REGION. ML 3.0 (PDG).
30	10	04	06.2	44.120	N	7.112	E	10	G		0.6	31	NORTHERN ITALY. ML 2.8 (LDG), 2.8 (GEN), 2.5 (STR).
30	10	29	23.4*	51.275	N	178.245	W	33	N	4.1	0.8	16	ANDREANOF ISLANDS, ALEUTIAN IS.
30	10	47	24.1*	51.165	N	15.807	E	5	G		0.9	7	POLAND. ML 2.9 (WAR), 2.9 (VIE).
30	10	48	41.3	5.125	S	118.410	E	33	N	4.7	0.9	20	SULAWESI, INDONESIA
30	10	56	56.3	3.841	N	126.190	E	56	*	4.5	1.0	42	TALAUD ISLANDS, INDONESIA
30	11	10	18.7	44.127	N	7.122	E	10	G		0.6	33	NORTHERN ITALY. ML 3.0 (LDG), 2.9 (GEN), 2.5 (STR).
30	11	15	22.0&	48.899	N	129.132	W	10	G	3.4		70	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.7 (PGC).
30	11	19	26.7&	60.189	N	152.454	W	84				26	SOUTHERN ALASKA. <AEIC>.
30	11	59	51.3	15.202	S	173.504	W	33	N	4.8	0.9	64	TONGA ISLANDS
30	12	04	11.7&	36.340	N	4.380	W	10				7	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.4 (MDD).
30	12	17	46.1&	33.908	S	70.085	W	2				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
30	12	24	41.3&	32.731	S	69.258	W	9				13	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.1 (GUC).
30	12	27	04.2	4.641	S	153.140	E	75		5.3	0.8	173	NEW IRELAND REGION, P.N.G. Mw 5.8 (HRV).

													Centroid, Moment Tensor (HRV): Centroid origin time 12:27:07.1; Lat 4.74 S; Lon 153.12 E; Dep 60.0; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.26, Plg=64, Azm=317; (N) Val=-0.38, Plg=16, Azm=83; (P) Val=-5.88, Plg=20, Azm=179; Best double couple: Mo=6.1*10**17 Nm; NP1: Strike=294, Dip=29, Slip=125; NP2: Strike=76, Dip=67, Slip=73.
30	12	42	45.2	4.610	N	122.917	E	588	*	4.8	0.9	38	CELEBES SEA
30	12	56	18.6&	31.721	S	70.594	W	114				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
30	13	54	49.5*	41.249	N	72.336	E	33	N	4.0	1.0	13	KYRGYZSTAN
30	14	05	48.1	44.121	N	7.130	E	10	G		0.7	32	NORTHERN ITALY. ML 3.2 (GEN), 3.1 (LDG), 2.8 (STR).
30	16	26	27.0&	66.820	N	93.220	W	18		4.2		26	NORTHWEST TERRITORIES, CANADA. <OTT>. mbLg 4.4 (OTT).
30	17	23	19.1&	35.496	S	71.414	W	121				12	CENTRAL CHILE. <GUC>.
30	18	59	42.5&	32.787	N	115.456	W	10				4	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.9 (PAS). MD 2.7 (ECX).
30	19	02	43.8*	14.896	S	177.991	W	350	G	4.5	0.9	32	FIJI ISLANDS REGION
30	19	04	53.5&	32.236	S	71.236	W	37				9	NEAR COAST OF CENTRAL CHILE. <GUC>.
30	19	05	04.7&	37.170	N	3.730	W	0	G			9	SPAIN. <MDD>. mbLg 1.8 (MDD).
30	19	10	04.7&	60.868	N	151.538	W	74				30	KENAI PENINSULA, ALASKA. <AEIC>.
30	20	05	37.2*	41.188	N	71.592	E	33	N	3.8	1.3	13	KYRGYZSTAN
30	20	06	56.2	52.740	N	107.223	E	10	G	4.5	1.1	39	LAKE BAYKAL REGION, RUSSIA. Felt (IV) at Kabansk, Tyrgana and Ulan-Ude; (III) at Irkutsk and Onguren.
30	21	09	19.1&	53.441	N	163.580	W	19				9	UNIMAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
30	21	32	02.3	8.051	S	107.983	E	77		4.5	0.9	33	JAWA, INDONESIA
30	21	58	36.0*	16.513	N	99.055	W	33	N		1.2	15	NEAR COAST OF GUERRERO, MEXICO. MD 4.2 (UNM).
30	22	27	52.2*	51.149	N	7.450	E	10	G		1.3	12	GERMANY. ML 2.8 (LDG), 2.7 (STR), 2.6 (WLF).
30	23	18	48.4*	51.344	N	178.572	W	33	N	4.1	1.2	12	ANDREANOF ISLANDS, ALEUTIAN IS.
30	23	35	39.0	44.215	N	20.162	E	10	G		0.7	16	NORTHWESTERN BALKAN REGION. ML 3.1 (PDG).
30	23	42	54.2	41.925	N	20.390	E	10	G	5.0 5.1	1.1	309	ALBANIA. Mw 5.3 (HRV). ML 5.1 (PDG). At least 700 houses damaged or destroyed and an electric substation damaged in the Kukes District. Felt at Elbasan, Korce, Peshkopi, Pogradec and Tirana. Centroid, Moment Tensor (HRV): Centroid origin time 23:43:00.3; Lat 41.93 N; Lon 20.81 E; Dep 17.9; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.09, Plg=17, Azm=148; (N) Val=-0.24, Plg=20, Azm=51; (P) Val=-0.85, Plg=63, Azm=275; Best double couple: Mo=9.7*10**16 Nm; NP1: Strike=266, Dip=33, Slip=-50; NP2: Strike=41, Dip=65, Slip=-113.

Compiled by Pamela J. Benfield, Don L. Blakeman, Charles G. Bufe, George L. Choy, Stuart K. Koyanagi, Alena L. Leeds, John H. Minsch, Waverly J. Person, Stuart A. Sipkin, William K. Smith and Madeleine D. Zirbes.


1998 September 25, 19:52 UTC
★ Epicenter
6 Felt at intensity VI
F Felt
0 Not felt
81°
80°
42°
41°
LAKE ERIE
NEW YORK
Erie
Meadville
PENNSYLVANIA
Jamestown
Greenville
Sharon
Youngstown
OHIO
I-III
IU
U
20 Miles
40 Kilometers


1998 September 25, 19:52 UTC
Epicenter
6 Felt at intensity VI
F Felt
0 Not felt
QUEBEC
LAKE MICHIGAN
LAKE HURON
LAKE ONTARIO
LAKE ERIE
MICHIGAN
ONTARIO
NEW YORK
PENNSYLVANIA
INDIANA
OHIO
WEST VIRGINIA
MARYLAND
Toronto
Hamilton
Buffalo
London
Detroit
Cleveland
Pittsburgh
Cincinnati
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III
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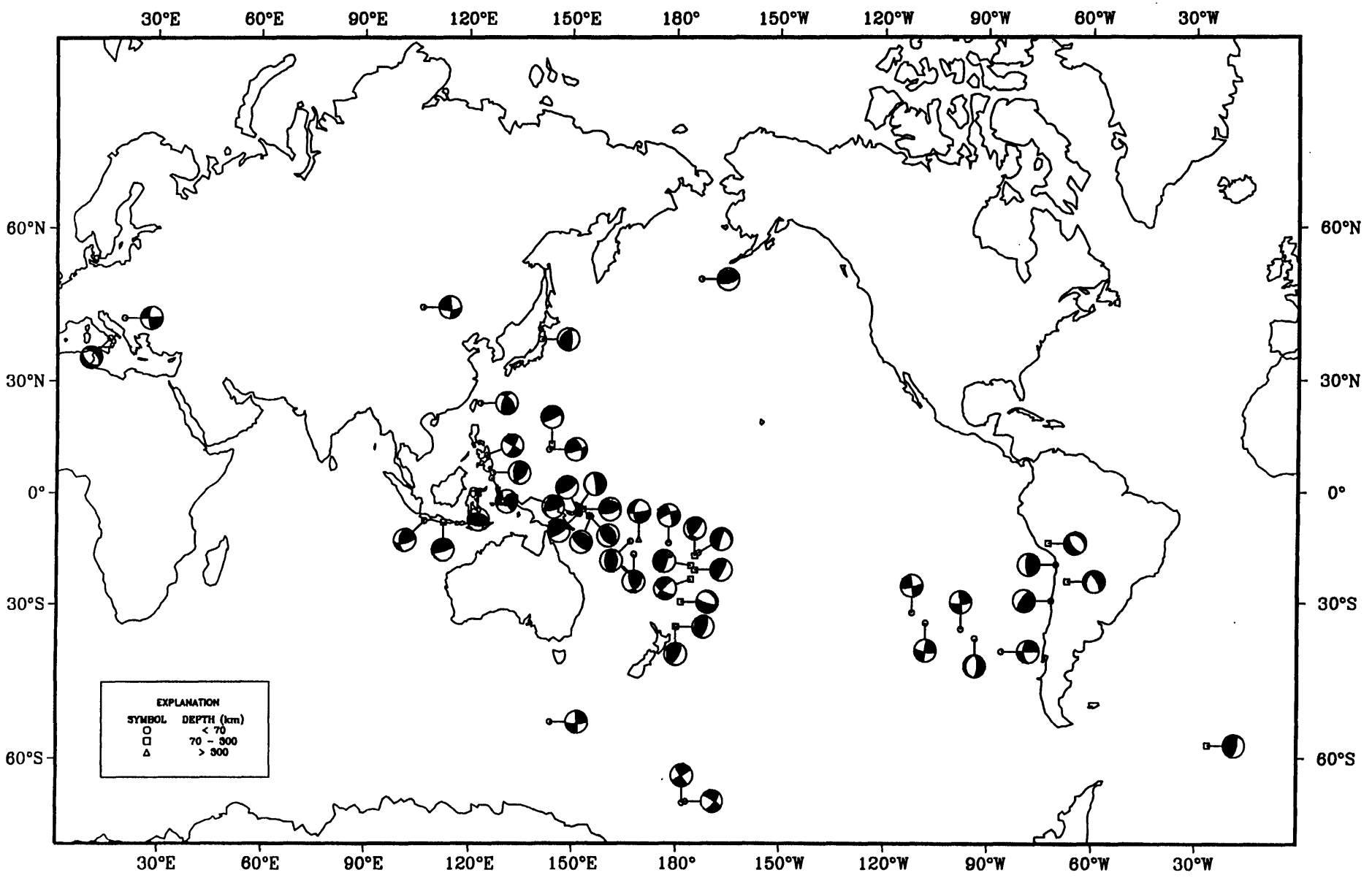
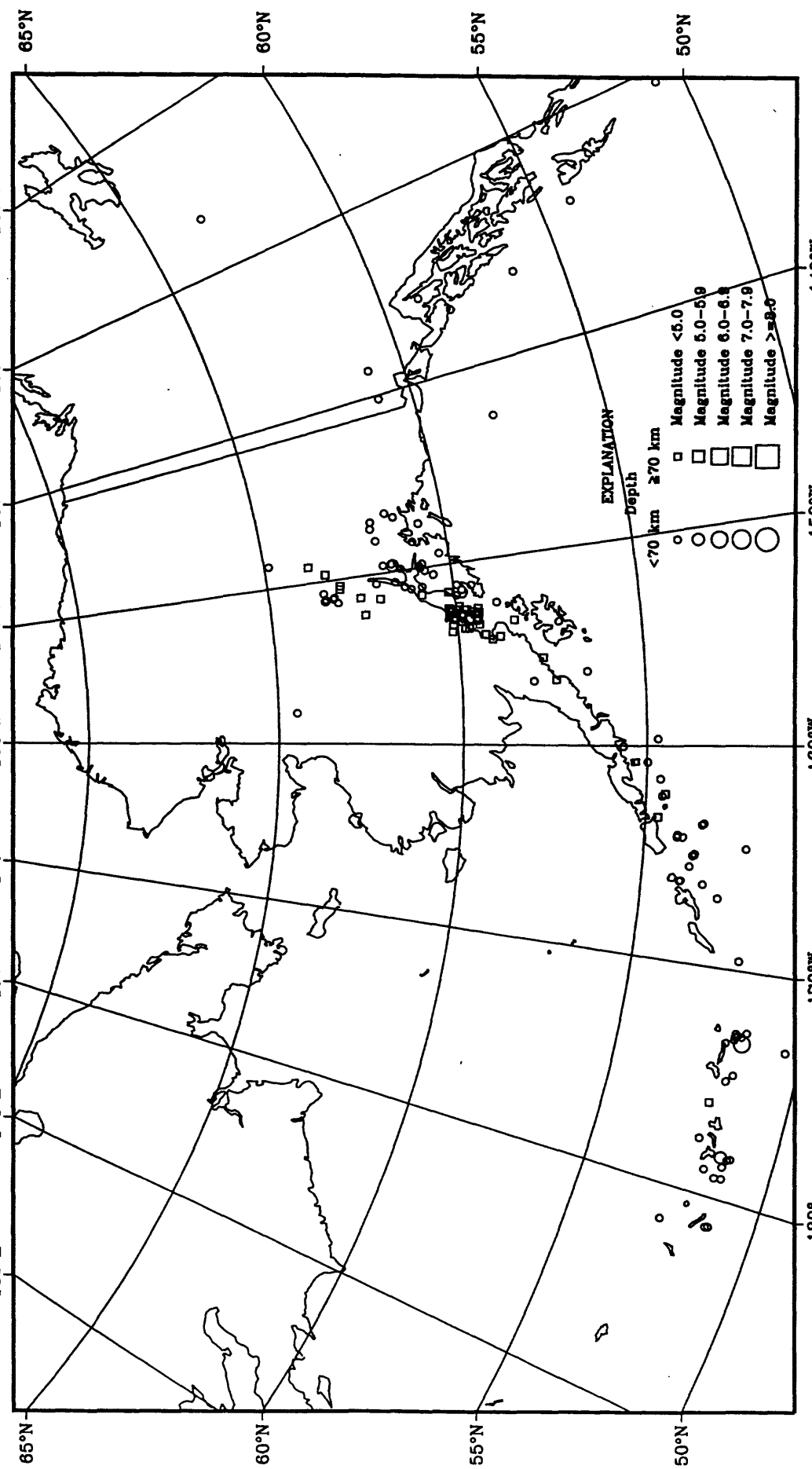
40°
85°
80°
0 100 200 KM

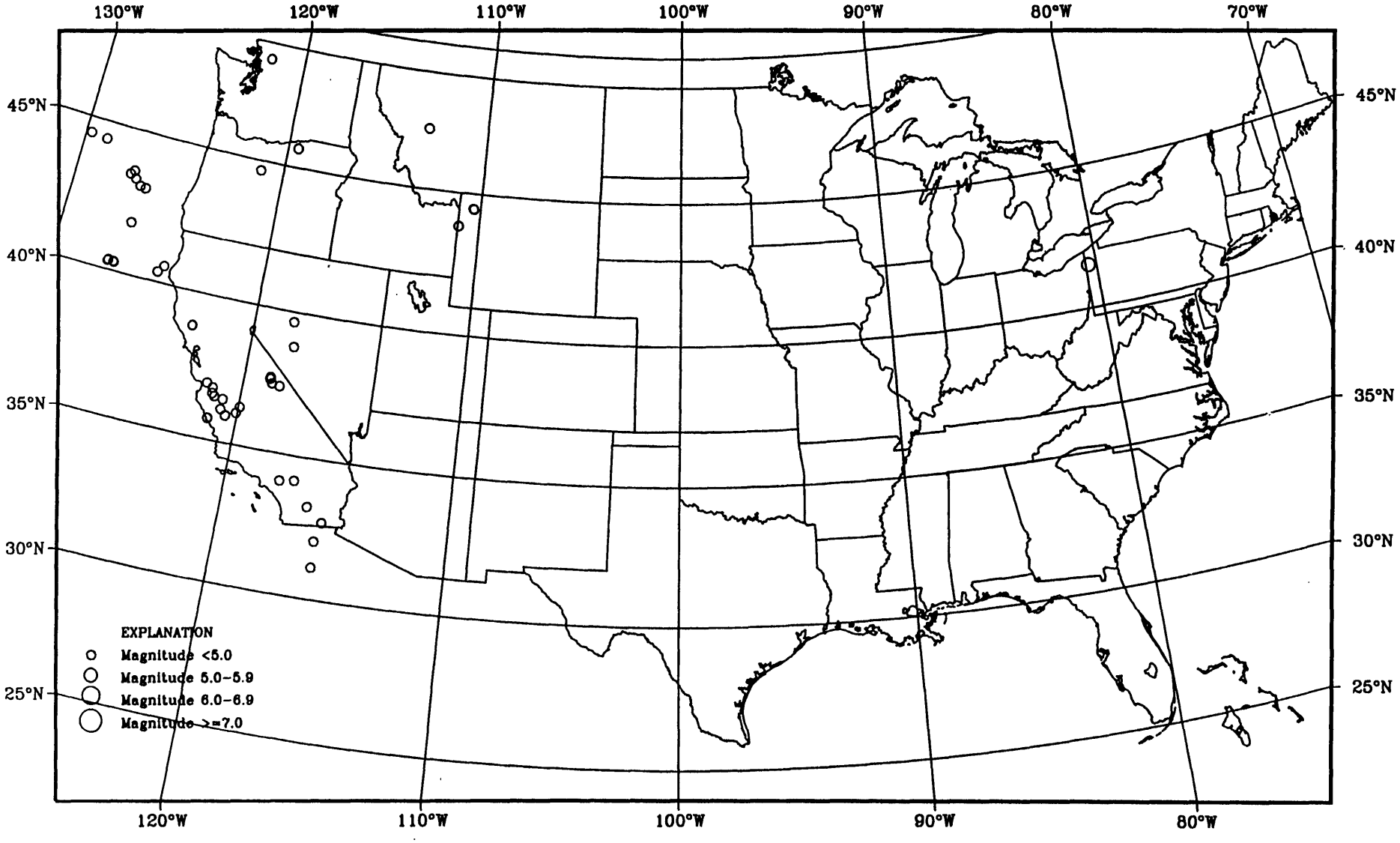
Earthquake Focal Mechanisms for September 1998



Earthquake epicenters in Alaska and adjacent regions for September 1998



Earthquake epicenters in the conterminous United States and adjacent regions for September 1998



Earthquakes located worldwide in September 1998