UNITED STATES DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

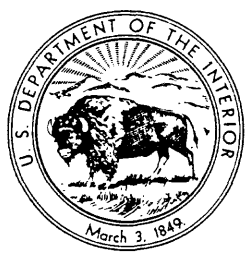
PRELIMINARY DETERMINATION OF EPICENTERS MONTHLY LISTING

JULY - SEPTEMBER 1996

NATIONAL EARTHQUAKE INFORMATION CENTER[1]

Open-File Report

96-600-C



1998

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

JULY 1996

ORIGIN TIME UTC				GEOGRAPHIC COORDINATES				DEPTH		MAGNITUDE GS		SD	NO. STA	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
DAY	HR	MN	SEC	LAT		LONG				MB	Msz		USED	
01	00	21	11.2*	51.722	N	159.779	E	33	N	4.0		1.1	14	OFF EAST COAST OF KAMCHATKA
01	01	06	15.2*	53.869	N	142.167	E	33	N	4.1	4.0	0.9	23	SAKHALIN ISLAND. Felt (III) at Okha. Also felt (III) at Nikolayevsk-na-Amure.
01	01	16	32.8*	51.725	N	159.999	E	37	D	3.8		0.7	16	OFF EAST COAST OF KAMCHATKA
01	01	29	50.4*	2.722	S	139.042	E	33	N	4.4		1.1	21	NEAR NORTH COAST OF IRIAN JAYA
01	01	42	12.8	79.449	N	2.465	E	10	G	4.2		1.2	39	GREENLAND SEA
01	02	12	37.4*	51.733	N	159.623	E	33	N	4.0		0.9	10	OFF EAST COAST OF KAMCHATKA
01	03	21	31.3&	60.296	N	153.324	W	126					52	SOUTHERN ALASKA. <AEIC>.
01	03	57	10.2?	8.40	S	123.91	E	100	G	4.3		0.8	12	FLORES REGION, INDONESIA
01	04	24	40.9*	4.932	S	129.878	E	200	G	3.8		0.5	7	BANDA SEA
01	04	33	05.0&	37.713	N	122.546	W	11					55	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.4 (BRK). Felt throughout the San Francisco Bay area.
01	04	42	12.5	51.623	N	159.370	E	33	N	4.1		0.9	25	OFF EAST COAST OF KAMCHATKA
01	04	52	11.7	12.479	N	125.541	E	33	N	5.0	5.3	1.1	80	SAMAR, PHILIPPINE ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:52:13.3; Lat 12.56 N; Lon 125.78 E; Dep 15.0 Bdy; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=2.14, Plg=63, Azm=265; (N) Val=-0.15, Plg=5, Azm=164; (P) Val=-1.98, Plg=26, Azm=72; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=150, Dip=20, Slip=75; NP2: Strike=346, Dip=71, Slip=95.
01	05	37	25.2*	13.875	N	120.043	E	33	N	4.4		0.8	19	MINDORO, PHILIPPINE ISLANDS
01	06	34	47.6	51.807	N	159.937	E	33	N	4.0		0.9	25	OFF EAST COAST OF KAMCHATKA
01	06	41	11.5?	40.25	S	176.50	E	33	N	4.3		0.4	13	NORTH ISLAND, NEW ZEALAND
01	07	09	31.4?	3.54	S	151.68	E	33	N	3.8		1.2	7	NEW IRELAND REGION, P.N.G.
01	07	11	34.7*	51.628	N	159.041	E	33	N	4.2		0.8	19	OFF EAST COAST OF KAMCHATKA
01	07	26	45.3?	49.66	S	163.58	E	10	G	4.4		1.2	13	AUCKLAND ISLANDS REGION
01	07	48	52.4?	13.49	S	112.05	W	10	G	4.2	4.2	1.4	11	CENTRAL EAST PACIFIC RISE
01	08	14	46.8	28.288	N	52.258	E	33	N	4.3		1.0	28	SOUTHERN IRAN
01	08	49	13.6	12.283	N	143.965	E	33	N	4.4		1.2	34	SOUTH OF MARIANA ISLANDS
01	08	54	54.0*	14.161	S	72.940	W	94	*	3.8		0.9	13	CENTRAL PERU
01	09	24	12.8?	4.47	S	143.00	E	100	G	3.9		1.0	9	NEW GUINEA, PAPUA NEW GUINEA
01	09	52	17.0*	9.176	N	126.268	E	65	?	4.6		1.1	37	MINDANAO, PHILIPPINE ISLANDS
01	09	58	41.9*	51.799	N	160.577	E	33	N	3.8		1.1	12	OFF EAST COAST OF KAMCHATKA
01	10	25	20.9?	19.27	S	177.72	W	500	G	4.2		0.8	15	FIJI ISLANDS REGION
01	10	50	33.9	72.022	N	0.037	W	10	G	4.5	4.3	1.1	45	JAN MAYEN ISLAND REGION
01	11	19	34.5?	1.24	S	136.66	E	33	N	4.1		1.0	9	IRIAN JAYA REGION, INDONESIA
01	11	40	58.2&	60.020	N	153.617	W	131					50	SOUTHERN ALASKA. <AEIC>.
01	12	30	06.8*	1.767	N	127.249	E	100	G	4.8		1.0	27	HALMAHERA, INDONESIA
01	14	02	39.0%	37.065	N	4.998	W	10	G			0.3	7	SPAIN. mbLg 2.2 (MDD).
01	14	10	46.8?	25.56	S	179.54	E	500	G	4.2		0.7	13	SOUTH OF FIJI ISLANDS
01	14	19	32.7%	37.089	N	4.977	W	10	G			0.9	9	SPAIN. mbLg 2.4 (MDD).
01	14	20	24.8%	36.864	N	4.949	W	10	G			0.8	5	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
01	16	23	55.6	41.963	S	88.432	E	10	G	4.8		1.1	41	SOUTHEAST INDIAN RIDGE
01	16	37	58.0	5.983	S	146.635	E	51		4.6		1.0	41	EASTERN NEW GUINEA REG., P.N.G.
01	16	41	10.1	39.448	N	144.780	E	33	N	4.1		0.8	21	OFF EAST COAST OF HONSHU, JAPAN
01	16	46	28.5?	31.01	S	178.54	W	33	N	4.3		0.9	14	KERMADEC ISLANDS REGION
01	16	52	13.1%	37.024	N	4.939	W	10	G			0.7	13	SPAIN. mbLg 3.0 (MDD).
01	16	56	12.6*	13.870	N	145.496	E	64	*	4.3		0.7	14	MARIANA ISLANDS
01	17	05	01.6%	37.038	N	4.941	W	10	G			0.7	10	SPAIN. mbLg 2.5 (MDD).
01	17	10	28.8%	37.043	N	4.933	W	10	G			0.9	11	SPAIN. mbLg 2.8 (MDD).
01	17	19	32.4%	36.974	N	4.910	W	10	G			0.8	5	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
01	17	24	39.0?	0.16	N	123.09	E	33	N	4.0		1.5	10	MINAHASSA PENINSULA, SULAWESI
01	17	53	02.1*	18.531	N	145.410	E	499		3.7		0.8	18	MARIANA ISLANDS
01	17	57	06.9%	37.107	N	5.017	W	10	G			0.6	10	SPAIN. mbLg 2.6 (MDD).
01	18	10	10.0	56.229	N	156.510	W	60	D	4.7		1.1	142	ALASKA PENINSULA. ML 4.9 (PMR). Felt (III) at Chignik.
01	18	29	42.7?	3.67	S	138.93	E	33	N	3.9		1.4	11	IRIAN JAYA, INDONESIA
01	18	46	42.0*	20.292	S	169.433	E	100	G	4.8		1.3	39	VANUATU ISLANDS
01	18	50	45.5%	34.546	S	70.359	W	5	G			0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
01	18	54	54.8%	37.069	N	4.984	W	10	G			0.6	9	SPAIN. mbLg 2.5 (MDD).
01	20	09	19.1*	55.979	S	27.576	W	33	N	4.6		1.4	17	SOUTH SANDWICH ISLANDS REGION

01	20	10	10.9?	2.97	S	138.84	E	33	N	3.8	0.7	8	IRIAN JAYA, INDONESIA
01	21	00	50.4&	37.480	N	118.871	W	5				49	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.1 (GS).
01	21	22	03.7%	37.041	N	4.929	W	10	G		0.6	13	SPAIN. mbLg 2.8 (MDD).
01	21	24	55.6	53.436	N	163.529	W	33	N	4.3	1.0	34	UNIMAK ISLAND REGION. ML 4.1 (PMR).
01	21	46	11.6&	60.085	N	141.698	W	0				45	SOUTHEASTERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.7 (PMR). Felt (IV) at Icy Bay Logging Camp.
01	21	56	23.8*	51.617	N	160.308	E	33	N	4.2	1.0	21	OFF EAST COAST OF KAMCHATKA
01	21	59	59.6	4.704	S	152.969	E	76	*	5.0	0.9	59	NEW BRITAIN REGION, P.N.G.
01	22	19	12.2%	37.396	N	139.552	E	10	G		0.6	5	EASTERN HONSHU, JAPAN
01	22	37	32.6?	14.49	S	166.39	E	33	N	4.2	0.6	12	VANUATU ISLANDS
01	22	48	57.1?	51.90	N	159.90	E	33	N	4.1	0.7	9	OFF EAST COAST OF KAMCHATKA
01	22	56	08.8?	36.02	N	140.61	E	33	N		0.1	5	NEAR EAST COAST OF HONSHU, JAPAN
01	23	29	48.1*	8.319	S	107.739	E	33	N	4.1	1.2	17	JAWA, INDONESIA
01	23	57	59.8?	24.47	S	179.53	E	600	G	3.8	0.7	11	SOUTH OF FIJI ISLANDS
02	00	03	59.3?	32.12	S	71.36	W	33	N		0.3	12	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
02	00	36	18.5?	32.01	S	71.42	W	33	N		0.3	12	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
02	01	00	44.3%	37.051	N	4.985	W	15			0.9	9	SPAIN. mbLg 2.3 (MDD).
02	01	35	58.9%	37.069	N	4.991	W	10	G		1.0	6	SPAIN. mbLg 2.4 (MDD).
02	02	45	31.6*	49.414	N	156.470	E	33	N	3.9	1.2	17	KURIL ISLANDS
02	03	11	55.1*	51.587	N	16.315	E	5	G		1.3	17	POLAND. ML 3.2 (GRF), 3.1 (VIE), 2.9 (MOX).
02	03	13	55.5*	20.369	S	178.546	W	600	G	4.2	0.8	28	FIJI ISLANDS REGION
02	04	40	06.8	12.494	N	125.566	E	33	N	5.0	1.1	49	SAMAR, PHILIPPINE ISLANDS
02	04	44	06.8*	44.177	N	147.192	E	33	N	4.6	0.8	33	KURIL ISLANDS
02	07	05	06.0	26.966	N	100.241	E	33	N	5.0 4.5	0.9	74	YUNNAN, CHINA
02	07	41	09.2*	26.933	N	100.322	E	33	N	4.3	1.5	15	YUNNAN, CHINA
02	07	45	37.7	42.133	N	7.784	W	10	G		0.8	9	SPAIN. mbLg 3.7 (MDD).
02	08	59	02.5*	11.840	N	86.241	W	33	N	4.2	1.3	20	NEAR COAST OF NICARAGUA
02	09	04	25.5*	32.096	S	70.470	W	118	*	3.7	0.7	15	CHILE-ARGENTINA BORDER REGION. MD 4.4 (SAN).
02	09	18	38.8&	57.977	N	154.992	W	83				43	KODIAK ISLAND REGION. <AEIC>.
02	09	41	22.7*	13.503	S	111.204	W	10	G	4.6	0.8	30	CENTRAL EAST PACIFIC RISE
02	10	31	12.1?	31.60	S	69.51	W	170	G		0.4	9	SAN JUAN PROVINCE, ARGENTINA
02	11	45	45.4*	18.005	S	179.073	W	600	G	4.5	0.8	21	FIJI ISLANDS REGION
02	11	49	42.5?	34.53	S	70.43	W	5	G		0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
02	12	13	56.5	51.085	N	177.380	W	33	N	4.0	1.0	26	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
02	12	42	04.4*	43.069	N	126.626	W	10	G		0.5	38	OFF COAST OF OREGON
02	12	52	38.9%	27.779	N	130.133	E	33	N		0.1	5	RYUKYU ISLANDS
02	14	09	50.9*	19.541	N	77.798	W	10	G	4.4 4.3	1.1	34	CUBA REGION
02	14	41	08.5%	37.022	N	4.919	W	10	G		0.9	9	SPAIN. mbLg 2.4 (MDD).
02	14	44	12.3%	36.999	N	4.906	W	10	G		0.7	11	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
02	14	46	34.3%	37.069	N	5.003	W	10	G		0.6	8	SPAIN. mbLg 2.4 (MDD).
02	16	03	32.4	60.894	S	21.217	W	33	N	5.0	1.1	50	SOUTHWESTERN ATLANTIC OCEAN. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:03:31.3; Lat 61.20 S; Lon 21.66 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.61, Plg=19, Azm=172; (N) Val=-0.44, Plg=24, Azm=73; (P) Val=-6.18, Plg=58, Azm=296; Best double couple: Mo=6.4*10**16 Nm; NP1: Strike=296, Dip=34, Slip=-42; NP2: Strike=62, Dip=68, Slip=-116.
02	16	38	23.5?	1.78	S	138.87	E	33	N	4.1	1.6	9	NEAR NORTH COAST OF IRIAN JAYA
02	18	10	39.0*	47.948	N	155.244	E	33	N	4.2	1.0	18	EAST OF KURIL ISLANDS
02	18	40	04.2?	23.22	S	179.92	E	600	G	3.8	0.7	9	SOUTH OF FIJI ISLANDS
02	20	11	07.1?	2.70	S	139.38	E	33	N	4.0	1.5	12	NEAR NORTH COAST OF IRIAN JAYA
02	20	35	56.2?	35.47	N	140.64	E	10	G		0.6	5	NEAR EAST COAST OF HONSHU, JAPAN
02	20	39	57.8?	17.02	N	62.15	W	150	G		1.5	6	LEEWARD ISLANDS. MD 3.4 (TRN).
02	20	43	26.1&	63.458	N	150.993	W	13				46	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 3.0 (PMR).
02	20	56	04.0?	21.93	S	178.47	W	500	G	4.1	0.6	15	FIJI ISLANDS REGION
02	21	15	00.4%	6.414	S	68.445	E	10	G	4.0	0.6	12	CHAGOS ARCHIPELAGO REGION
02	21	46	32.2?	34.17	S	69.95	W	5	G		0.1	6	CHILE-ARGENTINA BORDER REGION
02	21	55	01.9&	35.762	N	121.254	W	0				54	CENTRAL CALIFORNIA. <GM-P>. MD 3.6 (GM), 3.3 (PAS). ML 3.7 (BRK).
02	22	35	50.8?	41.05	S	88.02	W	10	G	4.2	1.0	9	WEST CHILE RISE
02	23	12	22.2	12.237	N	125.368	E	25	D	4.6	1.0	29	SAMAR, PHILIPPINE ISLANDS
02	23	18	27.0*	12.300	N	125.442	E	33	N	4.2	0.9	20	SAMAR, PHILIPPINE ISLANDS
02	23	38	34.9&	34.275	N	118.232	W	6	G			5	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.1 (PAS). Felt in the Glendale area.
03	01	18	33.1	43.373	N	144.799	E	87	D	4.3	1.0	28	HOKKAIDO, JAPAN REGION
03	02	18	12.0*	12.542	N	125.025	E	33	N	4.4	1.1	26	SAMAR, PHILIPPINE ISLANDS
03	02	50	47.4*	56.087	S	27.216	W	100	G	4.3	0.9	14	SOUTH SANDWICH ISLANDS REGION
03	03	08	28.9*	7.348	N	75.287	W	53	D	4.5	1.3	27	NORTHERN COLOMBIA
03	03	27	41.2%	36.945	N	5.077	W	33	N		1.0	7	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
03	03	41	21.3*	16.375	S	74.112	W	33	N	4.4 4.1	1.0	21	NEAR COAST OF PERU
03	05	49	46.1*	18.268	S	175.541	W	200	G	4.2	1.1	26	TONGA ISLANDS
03	05	54	30.7?	1.26	N	126.40	E	33	N	4.6	1.7	16	NORTHERN MOLUCCA SEA
03	06	00	49.5*	27.578	S	72.302	W	33	N	3.9	1.4	9	OFF COAST OF NORTHERN CHILE
03	06	17	53.0	38.194	N	118.158	W	5	G		0.8	21	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (GS). MD 3.0 (GM).
03	06	44	45.5	30.147	N	88.189	E	33	N	5.6 5.4	1.0	221	XIZANG. Mw 5.7 (GS), 5.7 (HRV). Me 5.2 (GS). Broadband Source Parameters (GS): Dep 7; NP1: Strike=167, Dip=33, Slip=-114; NP2: Strike=15, Dip=60, Slip=-75; Radiated energy 1.6*10**12 Nm. Moment Tensor (GS): Dep 5; Principal axes (scale 10**17 Nm): (T) Val=3.54, Plg=2, Azm=84; (N) Val=-0.01, Plg=13, Azm=175; (P) Val=-3.53, Plg=76, Azm=344; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=161, Dip=44, Slip=-109; NP2: Strike=7, Dip=49, Slip=-72. Centroid, Moment Tensor (HRV): Centroid origin time 06:44:52.3; Lat 29.77 N; Lon 88.32 E; Dep 15.0 Bdy; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.72, Plg=1, Azm=90; (N) Val=-0.37, Plg=8, Azm=180; (P) Val=-3.36, Plg=82, Azm=355; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=172, Dip=45, Slip=-102; NP2: Strike=8, Dip=46, Slip=-78.
03	07	00	28.9*	29.862	N	88.113	E	33	N	4.1	1.2	16	XIZANG

03	07	10	15.9*	30.468	N	88.187	E	33	N	4.1		1.3	15	XIZANG
03	07	14	39.0%	44.679	N	7.195	E	10	G			0.8	8	NORTHERN ITALY. ML 2.3 (GEN).
03	07	15	42.9*	29.993	N	87.944	E	33	N	4.0		1.2	13	XIZANG
03	07	38	06.0%	33.500	S	70.686	W	80	G			0.8	10	CHILE-ARGENTINA BORDER REGION
03	07	42	35.2&	35.752	N	121.262	W	3					68	CENTRAL CALIFORNIA. <GM-P>. MD 3.7 (GM), 3.7 (PAS). ML 4.0 (BRK).
03	07	55	25.5%	33.806	S	71.119	W	60	G			0.3	9	NEAR COAST OF CENTRAL CHILE
03	08	06	51.9	36.280	N	138.982	E	167	D	3.9		0.9	30	EASTERN HONSHU, JAPAN
03	08	47	34.9*	13.090	N	143.346	E	216	?	4.0		0.7	16	SOUTH OF MARIANA ISLANDS
03	09	15	19.9?	3.99	S	127.09	E	33	N	4.4		1.3	11	SERAM, INDONESIA
03	09	49	53.2%	44.705	N	7.666	E	10	G			0.5	6	NORTHERN ITALY. ML 2.3 (GEN).
03	10	10	33.8	29.923	N	88.187	E	33	N	5.0	4.7	0.9	63	XIZANG. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:10:41.6; Lat 29.92 N Fix; Lon 88.19 E Fix; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.45, Plg=18, Azm=80; (N) Val=0.55, Plg=3, Azm=349; (P) Val=-4.00, Plg=72, Azm=249; Best double couple: Mo=3.7*10**16 Nm; NP1: Strike=175, Dip=27, Slip=-83; NP2: Strike=347, Dip=63, Slip=-94.
03	10	19	42.9*	30.017	N	88.214	E	33	N	4.3		1.2	24	XIZANG
03	10	49	50.5*	29.873	N	87.846	E	33	N	4.1		0.8	11	XIZANG
03	11	37	16.5?	11.66	S	166.73	E	198	D	4.2		1.2	18	SANTA CRUZ ISLANDS
03	11	38	28.0	42.158	N	0.271	E	5	G			0.9	14	PYRENEES. ML 2.9 (STR).
03	12	13	22.9*	21.427	S	69.963	W	55	D	4.4		1.4	29	NORTHERN CHILE
03	12	43	57.1*	35.522	N	140.936	E	33	N	3.8		1.1	12	NEAR EAST COAST OF HONSHU, JAPAN
03	12	53	19.6?	59.54	S	26.11	W	111	?	4.5		1.3	29	SOUTH SANDWICH ISLANDS REGION
03	12	59	06.9?	30.10	N	88.15	E	33	N	3.8		0.1	5	XIZANG
03	13	45	40.9&	60.032	N	151.588	W	70					93	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
03	13	57	05.2%	34.376	S	70.666	W	100	G			0.1	10	CHILE-ARGENTINA BORDER REGION
03	16	09	02.4?	34.19	S	72.12	W	10	G			0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
03	16	11	09.5?	34.22	S	72.20	W	10	G			0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
03	16	48	27.5	23.376	S	70.405	W	33	N	5.3	5.4	1.2	107	NEAR COAST OF NORTHERN CHILE. Mw 5.9 (HRV), 5.8 (GS). Moment Tensor (GS): Dep 29; Principal axes (scale 10**17 Nm): (T) Val=6.61, Plg=62, Azm=54; (N) Val=-0.05, Plg=18, Azm=182; (P) Val=-6.55, Plg=21, Azm=279; Best double couple: Mo=6.6*10**17 Nm; NP1: Strike=38, Dip=29, Slip=130; NP2: Strike=174, Dip=68, Slip=70. Centroid, Moment Tensor (HRV): Centroid origin time 16:48:33.9; Lat 23.24 S; Lon 71.22 W; Dep 15.0 Fix; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=7.51, Plg=63, Azm=53; (N) Val=0.28, Plg=13, Azm=171; (P) Val=-7.79, Plg=23, Azm=266; Best double couple: Mo=7.7*10**17 Nm; NP1: Strike=20, Dip=25, Slip=122; NP2: Strike=165, Dip=69, Slip=76.
03	16	57	40.4	29.955	N	88.061	E	33	N	4.2		0.7	18	XIZANG
03	17	07	19.6?	30.48	N	88.68	E	33	N	3.8		0.9	8	XIZANG
03	17	52	24.4*	12.688	N	125.183	E	33	N	4.6		1.0	22	SAMAR, PHILIPPINE ISLANDS
03	18	02	43.9*	30.091	N	87.731	E	33	N	3.9		1.3	8	XIZANG
03	18	34	59.1%	33.318	S	70.652	W	60	G			0.2	5	CHILE-ARGENTINA BORDER REGION. MD 1.7 (SAN).
03	18	59	26.4	40.683	N	142.570	E	49		5.0	4.8	1.0	108	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:59:27.5; Lat 40.73 N; Lon 143.00 E; Dep 15.8; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.01, Plg=57, Azm=339; (N) Val=-0.39, Plg=32, Azm=144; (P) Val=-0.62, Plg=7, Azm=238; Best double couple: Mo=8.1*10**16 Nm; NP1: Strike=359, Dip=47, Slip=136; NP2: Strike=122, Dip=59, Slip=52.
03	20	05	29.4*	13.210	N	124.647	E	33	N	4.3		1.2	14	LUZON, PHILIPPINE ISLANDS
03	20	35	28.9?	30.33	N	87.98	E	33	N	3.9		1.7	10	XIZANG
03	20	35	54.2&	63.045	N	150.619	W	112		3.3			98	CENTRAL ALASKA. <AEIC>.
03	20	47	15.4%	44.262	N	7.205	E	10	G			0.2	8	NORTHERN ITALY. ML 2.2 (GEN).
03	21	00	59.5&	64.581	N	152.199	W	3					34	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
03	21	13	33.9%	37.032	N	4.953	W	15	*			0.8	12	SPAIN. mbLg 2.5 (MDD).
03	21	38	32.2%	36.977	N	4.940	W	10	G			0.6	11	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
03	21	44	42.0%	37.027	N	4.926	W	9				0.6	12	SPAIN. mbLg 2.6 (MDD).
03	21	59	08.7%	37.086	N	4.970	W	10	G			0.7	7	SPAIN. mbLg 2.0 (MDD).
03	22	04	43.5&	47.773	N	121.885	W	3					35	WASHINGTON. <SEA-P>. MD 3.0 (SEA). Felt.
04	00	32	48.5*	14.632	S	176.418	W	300	G	4.1		0.6	17	FIJI ISLANDS REGION
04	01	52	47.5&	61.600	N	149.759	W	39					46	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
04	02	22	50.0?	34.45	S	70.39	W	10	G			0.1	6	CHILE-ARGENTINA BORDER REGION
04	02	28	06.0?	21.14	S	168.57	E	33	N	4.2		1.4	20	LOYALTY ISLANDS
04	02	56	44.2	53.631	N	160.475	E	33	N	4.4		1.1	40	NEAR EAST COAST OF KAMCHATKA
04	*03	38	23.6	30.069	N	88.219	E	33	N	4.3		0.5	18	XIZANG
04	05	05	46.7*	8.842	S	124.162	E	33	N	4.4		1.3	17	TIMOR REGION, INDONESIA
04	07	09	36.6?	7.04	S	154.74	E	33	N	4.0		0.9	8	SOLOMON ISLANDS
04	08	16	59.2&	33.995	N	116.298	W	5					32	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.4 (PAS). ML 3.2 (GS).
04	08	19	05.5&	63.296	N	151.053	W	13					56	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).
04	09	04	58.5%	32.992	S	70.207	W	110	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
04	10	04	05.6*	8.929	S	124.077	E	33	N	4.5		1.0	13	TIMOR REGION, INDONESIA
04	11	39	39.8&	61.852	N	150.830	W	55		5.6			324	SOUTHERN ALASKA. <AEIC>. Mw 5.4 (GS), 5.4 (HRV). ML 5.4 (AEIC), 5.7 (PMR). Felt (IV) at Anchorage, Palmer, Wasilla and Willow. Moment Tensor (GS): Dep 60; Principal axes (scale 10**17 Nm): (T) Val=1.10, Plg=23, Azm=264; (N) Val=0.17, Plg=23, Azm=4; (P) Val=-1.26, Plg=56, Azm=133; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=317, Dip=30, Slip=-141; NP2: Strike=192, Dip=72, Slip=-66. Centroid, Moment Tensor (HRV): Centroid origin time 11:39:40.4; Lat 61.91 N; Lon 151.21 W; Dep 58.7; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.40, Plg=33, Azm=279; (N) Val=-0.01, Plg=8, Azm=183; (P) Val=-1.39, Plg=56, Azm=81; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=37, Dip=15, Slip=-55; NP2:

														Strike=181, Dip=78, Slip=-99.
04	11	47	08.3?	6.68	S	127.24	E	400	G	4.1	0.8	8		BANDA SEA
04	11	47	54.5&	61.842	N	150.851	W	54				78		SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
04	11	52	54.1*	51.601	N	159.277	E	33	N	3.7	1.4	12		OFF EAST COAST OF KAMCHATKA
04	12	34	38.9&	61.853	N	150.879	W	51				67		SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
04	13	20	41.3*	40.896	N	141.469	E	97	*	3.7	1.2	12		NEAR EAST COAST OF HONSHU, JAPAN
04	13	31	29.6	17.510	N	147.537	E	33	N	4.6	1.1	45		MARIANA ISLANDS REGION
04	13	56	47.1*	72.441	N	3.324	E	10	G	3.6	1.5	12		NORWEGIAN SEA
04	14	06	45.4&	15.734	N	61.092	W	100	G		0.2	10		LEEWARD ISLANDS. MD 3.5 (TRN).
04	14	40	38.1&	42.103	N	0.216	E	10	G		1.0	5		PYRENEES. mbLg 2.8 (MDD). Felt (II) in the El Grado area, Spain.
04	14	49	13.6*	53.316	N	159.950	E	55	D	3.9	1.0	13		NEAR EAST COAST OF KAMCHATKA
04	15	37	50.6	7.148	S	122.395	E	600	G	5.3	0.8	118		FLORES SEA. Mw 5.4 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 15:37:49.4; Lat 7.62 S; Lon 122.83 E; Dep 614.2; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.48, Plg=26, Azm=342; (N) Val=0.15, Plg=21, Azm=83; (P) Val=-1.62, Plg=55, Azm=206; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=33, Dip=26, Slip=-143; NP2: Strike=269, Dip=75, Slip=-68.
04	15	50	38.7	8.489	N	141.564	E	33	N	5.1 5.4	1.3	103		WESTERN CAROLINE ISLANDS. Mw 5.9 (HRV), 5.8 (GS).
														Moment Tensor (GS): Dep 9; Principal axes (scale 10**17 Nm): (T) Val=6.24, Plg=37, Azm=349; (N) Val=0.10, Plg=45, Azm=210; (P) Val=-6.34, Plg=22, Azm=96; Best double couple: Mo=6.3*10**17 Nm; NP1: Strike=138, Dip=47, Slip=13; NP2: Strike=39, Dip=81, Slip=136.
														Centroid, Moment Tensor (HRV): Centroid origin time 15:50:38.8; Lat 8.09 N; Lon 141.63 E; Dep 16.0 Bdy; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=6.55, Plg=21, Azm=348; (N) Val=0.31, Plg=67, Azm=197; (P) Val=-6.86, Plg=10, Azm=82; Best double couple: Mo=6.7*10**17 Nm; NP1: Strike=126, Dip=68, Slip=8; NP2: Strike=34, Dip=83, Slip=158.
04	15	53	50.5*	8.868	N	141.495	E	33	N	5.2	1.1	55		WESTERN CAROLINE ISLANDS
04	16	09	49.0*	37.231	S	95.881	W	10	G	4.2	0.9	9		SOUTHERN PACIFIC OCEAN
04	16	54	16.1&	63.139	N	151.398	W	8				10		CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.8 (PMR).
04	17	07	59.4*	6.128	S	80.172	W	74	?	4.1	1.1	17		NEAR COAST OF NORTHERN PERU
04	17	25	20.9*	28.070	S	69.275	W	106	D	4.1	1.2	19		CHILE-ARGENTINA BORDER REGION
04	18	11	04.6	30.009	N	88.077	E	33	N	4.9	1.0	57		XIZANG
04	18	41	42.2	5.227	S	145.455	E	56	*	4.4	0.7	18		EASTERN NEW GUINEA REG., P.N.G.
04	19	42	09.2?	4.72	S	102.42	E	33	N	4.0	1.0	9		SOUTHERN SUMATERA, INDONESIA
04	20	11	09.0*	56.090	N	164.201	E	33	N	4.1	1.0	14		KOMANDORSKY ISLANDS REGION
04	21	53	09.7&	32.984	S	72.111	W	15	G		0.3	11		OFF COAST OF CENTRAL CHILE. MD 4.0 (SAN).
04	21	57	20.0	38.191	N	20.342	E	35	*	4.4	1.1	52		GREECE
04	22	14	54.2&	32.983	S	72.127	W	15	G		0.4	11		OFF COAST OF CENTRAL CHILE. MD 4.0 (SAN).
04	22	25	26.5?	39.34	N	21.13	E	33	N	3.8	1.4	15		GREECE
04	22	40	46.8*	11.825	N	142.317	E	60	?	4.2	1.0	18		SOUTH OF MARIANA ISLANDS
04	22	47	37.8?	23.99	S	178.83	E	600	G	4.4	0.8	17		SOUTH OF FIJI ISLANDS
04	23	26	08.8	42.346	N	139.303	E	25	D	4.8	0.9	88		HOKKAIDO, JAPAN REGION
04	23	30	41.8?	17.84	S	178.20	W	600	G	3.9	0.9	13		FIJI ISLANDS REGION
04	23	46	38.1	23.808	S	70.024	W	43	D	4.4	1.0	27		NEAR COAST OF NORTHERN CHILE
05	00	07	41.6&	62.952	N	150.760	W	110				61		CENTRAL ALASKA. <AEIC>.
05	00	47	22.0&	34.082	S	70.086	W	10	G		0.2	10		CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
05	01	12	37.1*	50.186	N	176.751	W	33	N	4.0	1.4	14		ANDREANOF ISLANDS, ALEUTIAN IS.
05	01	19	18.9*	4.729	S	102.693	E	33	N	4.3	0.8	12		SOUTHERN SUMATERA, INDONESIA
05	02	03	55.8&	32.989	S	72.096	W	10	G		0.3	11		OFF COAST OF CENTRAL CHILE. MD 4.0 (SAN).
05	03	00	29.0&	41.710	N	112.390	W	2				15		UTAH. <SLC-P>. MD 3.8 (SLC). ML 3.5 (GS).
05	05	15	05.5	51.474	N	176.951	W	33	N	4.5	1.2	42		ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
05	05	25	48.6?	11.18	N	126.41	E	33	N	4.1	1.3	11		PHILIPPINE ISLANDS REGION
05	06	38	10.0*	5.286	N	126.660	E	33	N	4.7	1.2	22		MINDANAO, PHILIPPINE ISLANDS
05	08	15	21.8*	51.850	N	159.695	E	33	N	4.2 4.1	1.2	29		OFF EAST COAST OF KAMCHATKA
05	09	16	43.0&	63.031	N	150.824	W	121				77		CENTRAL ALASKA. <AEIC>.
05	09	17	12.6&	44.282	N	7.279	E	10	G		0.4	10		NORTHERN ITALY. ML 2.1 (GEN).
05	09	19	20.2&	60.922	N	151.149	W	63				64		KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC).
05	09	36	44.8?	32.34	S	71.10	W	60	G		0.4	11		NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
05	09	54	53.6&	44.397	N	7.415	E	10	G		0.7	9		NORTHERN ITALY. ML 1.9 (GEN).
05	10	02	29.5*	17.790	N	146.081	E	200	G	3.4	0.5	8		MARIANA ISLANDS
05	10	37	17.2*	51.768	N	160.185	E	33	N	4.4	1.1	23		OFF EAST COAST OF KAMCHATKA
05	11	23	52.3	51.769	N	160.166	E	33	N	4.0	1.0	26		OFF EAST COAST OF KAMCHATKA
05	11	52	57.0*	51.814	N	159.448	E	33	N	4.7 4.1	1.2	29		OFF EAST COAST OF KAMCHATKA
05	12	00	52.7*	8.934	S	114.650	E	100	G	4.8	1.2	28		BALI REGION, INDONESIA
05	12	17	52.0&	63.063	N	150.971	W	130				75		CENTRAL ALASKA. <AEIC>.
05	13	09	56.1*	30.060	N	88.080	E	33	N	4.2	1.0	19		XIZANG
05	13	21	21.4*	19.329	S	176.425	W	250	G	4.1	0.9	18		FIJI ISLANDS REGION
05	14	01	48.0*	21.817	N	92.485	E	33	N	4.1	0.7	13		MYANMAR-BANGLADESH BORDER REGION
05	15	04	07.8	1.136	S	114.969	E	33	N	4.9	1.0	35		BORNEO
05	16	38	26.3&	59.236	N	153.633	W	107				33		SOUTHERN ALASKA. <AEIC>.
05	17	27	05.2?	33.24	S	72.73	W	10	G		0.5	9		OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
05	17	43	28.2	28.696	N	130.923	E	33	N	4.1	0.9	18		RYUKYU ISLANDS
05	18	34	42.0	10.112	S	160.898	E	83	*	5.5 5.2	1.0	110		SOLOMON ISLANDS. Mw 5.6 (GS), 5.6 (HRV). Me 5.3 (GS). Felt (III) at Honiara.
														Broadband Source Parameters (GS): Dep 36; NP1: Strike=285, Dip=50, Slip=45; NP2: Strike=162, Dip=57, Slip=130; Radiated energy 1.9*10**12 Nm.
														Moment Tensor (GS): Dep 36; Principal axes (scale 10**17 Nm): (T) Val=3.01, Plg=59, Azm=133; (N) Val=0.19, Plg=30, Azm=297; (P) Val=-3.20, Plg=7, Azm=31; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=150, Dip=46, Slip=133; NP2: Strike=277, Dip=58, Slip=54.
														Centroid, Moment Tensor (HRV): Centroid origin time 18:34:39.7; Lat 10.25 S; Lon 161.13 E; Dep 33.0; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.70, Plg=64, Azm=113; (N) Val=-0.33, Plg=26, Azm=301;

(P) Val=-2.37, Plg=3, Azm=209; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=274, Dip=48, Slip=53; NP2: Strike=142, Dip=53, Slip=123.

05 19 06 04.4 48.248 N 155.684 E 33 N 4.5 1.1 52 KURIL ISLANDS
05 20 36 21.4* 34.177 N 135.081 E 10 G 3.5 0.9 9 NEAR S. COAST OF WESTERN HONSHU
05 21 10 44.4& 58.662 N 152.843 W 49 65 KODIAK ISLAND REGION. <AEIC>. ML 3.4 (AEIC).
05 21 37 09.5& 35.200 N 84.000 W 5 G 1 TENNESSEE. <MACRO>. mbLg 2.8 (GS). Felt in Cherokee County, North Carolina.
05 22 05 55.8? 17.30 S 171.56 W 33 N 4.5 1.1 9 TONGA ISLANDS REGION
05 23 30 05.2 43.517 N 110.312 W 5 G 0.3 9 WYOMING. ML 3.1 (BUT).
05 23 31 50.0% 36.613 N 139.452 E 10 G 0.8 5 EASTERN HONSHU, JAPAN
06 00 41 57.4% 44.369 N 7.233 E 5 G 0.5 8 NORTHERN ITALY. ML 2.0 (GEN).
06 00 53 05.4* 6.589 S 129.062 E 222 ? 4.9 0.9 33 BANDA SEA. Mw 5.2 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 00:53:15.9; Lat 6.59 S Fix; Lon 129.06 E Fix; Dep 240.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.74, Plg=44, Azm=2; (N) Val=0.90, Plg=30, Azm=238; (P) Val=-6.64, Plg=31, Azm=128; Best double couple: Mo=6.2*10**16 Nm; NP1: Strike=166, Dip=31, Slip=15; NP2: Strike=63, Dip=82, Slip=120.

06 01 27 06.1* 22.361 N 120.737 E 33 N 4.0 1.3 16 TAIWAN
06 02 22 15.7* 43.476 N 110.523 W 5 G 0.8 8 WYOMING. ML 3.2 (BUT).
06 02 50 42.9* 48.443 N 155.721 E 33 N 3.9 1.0 18 KURIL ISLANDS
06 04 23 05.2% 44.040 N 6.952 E 10 G 0.2 6 FRANCE. ML 2.8 (GEN).
06 04 41 45.0 51.621 N 16.271 E 5 G 0.3 11 POLAND. ML 2.0 (MOX).
06 05 02 25.9 3.641 S 139.951 E 33 N 4.9 1.0 33 IRIAN JAYA, INDONESIA
06 05 03 33.5 2.973 N 128.354 E 33 N 5.4 5.2 1.0 84 HALMAHERA, INDONESIA. Mw 5.6 (GS), 5.5 (HRV).
Moment Tensor (GS): Dep 33; Principal axes (scale 10**17 Nm): (T) Val=3.27, Plg=75, Azm=149; (N) Val=0.00, Plg=13, Azm=297; (P) Val=-3.27, Plg=8, Azm=29; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=133, Dip=39, Slip=110; NP2: Strike=288, Dip=54, Slip=74.
Centroid, Moment Tensor (HRV): Centroid origin time 05:03:38.1; Lat 3.22 N; Lon 128.24 E; Dep 40.0 Bdy; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.41, Plg=79, Azm=57; (N) Val=-0.24, Plg=10, Azm=259; (P) Val=-2.17, Plg=4, Azm=168; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=248, Dip=42, Slip=75; NP2: Strike=88, Dip=50, Slip=103.

06 05 11 16.6% 44.461 N 7.328 E 10 G 0.1 6 NORTHERN ITALY. ML 1.9 (GEN).
06 05 24 22.7* 31.128 N 129.393 E 91 ? 4.1 0.8 16 KYUSHU, JAPAN
06 05 29 06.8% 44.549 N 6.739 E 5 G 0.3 5 FRANCE. ML 2.7 (GEN).
06 05 58 37.1* 32.953 N 140.782 E 65 * 4.0 1.0 17 SOUTH OF HONSHU, JAPAN
06 08 12 39.4? 29.96 N 87.89 E 33 N 3.8 1.5 11 XIZANG
06 08 45 32.5* 52.342 N 158.824 E 33 N 3.9 0.8 11 NEAR EAST COAST OF KAMCHATKA
06 08 56 55.0% 47.160 N 150.786 E 100 G 3.8 1.3 8 KURIL ISLANDS
06 10 08 52.1* 10.188 N 120.876 E 33 N 4.4 1.3 15 SULU SEA
06 10 09 26.4 43.288 N 147.408 E 33 N 4.3 1.0 30 KURIL ISLANDS
06 11 06 43.8& 60.439 N 152.345 W 92 49 SOUTHERN ALASKA. <AEIC>.
06 11 23 35.3% 37.114 N 1.801 W 10 G 0.6 18 SPAIN. mbLg 3.3 (MDD). Felt (III) in the Carboneras area.
06 11 46 48.9? 11.41 S 165.92 E 33 N 4.5 1.7 14 SANTA CRUZ ISLANDS
06 11 56 44.8 15.514 N 147.657 E 33 N 5.4 5.1 1.0 144 MARIANA ISLANDS REGION. Mw 5.6 (GS), 5.6 (HRV).
Moment Tensor (GS): Dep 9; Principal axes (scale 10**17 Nm): (T) Val=3.04, Plg=28, Azm=319; (N) Val=0.01, Plg=38, Azm=204; (P) Val=-3.04, Plg=39, Azm=74; Best double couple: Mo=3.0*10**17 Nm; NP1: Strike=100, Dip=39, Slip=-11; NP2: Strike=199, Dip=83, Slip=-129.
Centroid, Moment Tensor (HRV): Centroid origin time 11:56:45.6; Lat 15.54 N; Lon 148.35 E; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.97, Plg=30, Azm=290; (N) Val=-0.01, Plg=4, Azm=198; (P) Val=-2.96, Plg=60, Azm=101; Best double couple: Mo=3.0*10**17 Nm; NP1: Strike=31, Dip=16, Slip=-76; NP2: Strike=197, Dip=75, Slip=-94.
Scalar Moment (PPT): Mo=1.6*10**18 Nm.

06 12 24 02.1* 15.583 N 147.901 E 33 N 3.7 0.9 9 MARIANA ISLANDS REGION
06 13 39 42.2* 35.997 N 80.199 E 33 N 4.1 1.3 12 KASHMIR-XIZANG BORDER REGION
06 15 56 18.5% 33.606 N 132.303 E 33 N 0.7 5 SHIKOKU, JAPAN
06 17 24 46.8% 44.058 N 7.046 E 5 G 0.4 8 NORTHERN ITALY. ML 2.0 (GEN).
06 17 38 19.1* 15.606 N 147.732 E 33 N 4.1 1.1 16 MARIANA ISLANDS REGION
06 17 51 25.2* 15.594 N 147.818 E 33 N 3.9 0.4 11 MARIANA ISLANDS REGION
06 18 30 53.5* 36.395 N 70.463 E 170 * 4.0 1.0 16 HINDU KUSH REGION, AFGHANISTAN
06 19 12 17.9* 35.540 N 137.447 E 268 3.5 0.9 13 EASTERN HONSHU, JAPAN
06 20 09 53.1* 15.548 N 147.798 E 33 N 4.2 1.3 19 MARIANA ISLANDS REGION
06 20 17 20.9* 42.499 N 46.983 E 33 N 3.6 1.4 13 EASTERN CAUCASUS
06 20 48 50.7% 33.960 N 132.333 E 33 N 0.5 5 SHIKOKU, JAPAN
06 21 36 28.7 21.968 N 142.830 E 241 D 5.8 0.9 244 MARIANA ISLANDS REGION. Mw 6.2 (GS), 6.2 (HRV). Me 5.9 (GS). mb 5.8 (BRK).
Broadband Source Parameters (GS): NP1: Strike=315, Dip=55, Slip=140; NP2: Strike=71, Dip=58, Slip=42; Radiated energy 1.7*10**13 Nm.
Moment Tensor (GS): Dep 238; Principal axes (scale 10**18 Nm): (T) Val=2.47, Plg=51, Azm=284; (N) Val=-0.25, Plg=39, Azm=103; (P) Val=-2.22, Plg=1, Azm=193; Best double couple: Mo=2.3*10**18 Nm; NP1: Strike=316, Dip=56, Slip=140; NP2: Strike=71, Dip=57, Slip=41.
Centroid, Moment Tensor (HRV): Centroid origin time 21:36:34.8; Lat 22.02 N; Lon 142.99 E; Dep 252.5; Half-duration 3.2 sec; Principal axes (scale 10**18 Nm): (T) Val=2.66, Plg=53, Azm=274; (N) Val=-0.06, Plg=37, Azm=95; (P) Val=-2.59, Plg=0, Azm=5; Best double couple: Mo=2.6*10**18 Nm; NP1: Strike=64, Dip=55, Slip=43; NP2: Strike=306, Dip=56, Slip=137.

													Scalar Moment (PPT): Mo=1.0*10**18 Nm.
0·	23	22	34.1&	36.950	N	1.604	W	10	G		0.5	12	WESTERN MEDITERRANEAN SEA. mbLg 3.0 (MDD).
0&	23	32	38.3*	22.285	N	45.058	W	10	G	3.8	1.1	11	NORTHERN MID-ATLANTIC RIDGE
07	00	37	17.2&	44.571	N	7.182	E	10	G		0.5	8	NORTHERN ITALY. ML 1.9 (GEN).
07	01	43	46.5	46.684	N	152.563	E	33	N	4.0	0.8	34	KURIL ISLANDS
07	01	54	04.5	39.775	N	14.850	E	343		3.8	1.1	78	TYRRHENIAN SEA
07	02	02	08.2&	37.122	N	3.882	W	10	G		0.4	6	SPAIN. mbLg 2.2 (MDD).
07	02	52	10.0&	66.461	N	148.612	W	20	G			13	NORTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
07	03	45	57.1?	15.78	N	148.03	E	33	N	3.9	1.5	15	MARIANA ISLANDS REGION
07	04	13	29.6*	18.173	N	68.189	W	93		3.7	1.1	21	MONA PASSAGE
07	04	16	34.3	15.555	N	147.730	E	33	N	4.4	1.2	33	MARIANA ISLANDS REGION
07	04	19	32.2*	53.180	N	166.114	W	33	N	4.4	1.3	36	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
07	04	22	35.8&	45.098	N	7.309	E	10	G		0.9	9	NORTHERN ITALY. ML 2.3 (GEN).
07	05	07	30.2&	44.420	N	7.344	E	10	G		0.4	7	NORTHERN ITALY. ML 1.9 (GEN).
07	06	05	01.5*	60.040	S	27.581	W	100	G	4.3	1.3	17	SOUTH SANDWICH ISLANDS REGION
07	06	11	35.3	0.088	S	123.842	E	65	?	4.8	1.1	49	MINAHASSA PENINSULA, SULAWESI
07	06	27	08.0	31.761	N	115.708	W	5	G	3.9	1.1	40	BAJA CALIFORNIA, MEXICO
07	07	39	03.4*	36.509	N	70.711	E	200	G	3.8	1.3	13	HINDU KUSH REGION, AFGHANISTAN
07	07	53	53.5?	62.02	S	56.34	W	33	N	4.3	1.3	16	SOUTH SHETLAND ISLANDS
07	09	15	51.3	36.315	N	70.850	E	159	D	4.2	0.9	20	HINDU KUSH REGION, AFGHANISTAN
07	10	49	59.6	58.620	N	157.752	E	10	G	5.6 5.6	1.0	254	KAMCHATKA. Mw 6.4 (OBN), 5.8 (GS), 5.8 (HRV). Me 5.7 (GS). Ms 5.5 (BRK). Felt (IV) at Magadan and (III) in the Palana area.
													Broadband Source Parameters (GS): Dep 6; NP1: Strike=215, Dip=40, Slip=140; NP2: Strike=338, Dip=66, Slip=57; Radiated energy 8.2*10**12 Nm.
													Moment Tensor (GS): Dep 7; Principal axes (scale 10**17 Nm): (T) Val=5.17, Plg=60, Azm=197; (N) Val=-0.22, Plg=27, Azm=351; (P) Val=-4.95, Plg=11, Azm=87; Best double couple: Mo=5.1*10**17 Nm; NP1: Strike=207, Dip=42, Slip=134; NP2: Strike=335, Dip=61, Slip=58.
													Centroid, Moment Tensor (HRV): Centroid origin time 10:50:05.3; Lat 58.47 N; Lon 157.85 E; Dep 15.0 Bdy; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=4.07, Plg=44, Azm=185; (N) Val=1.60, Plg=46, Azm=4; (P) Val=-5.67, Plg=1, Azm=95; Best double couple: Mo=4.9*10**17 Nm; NP1: Strike=221, Dip=60, Slip=146; NP2: Strike=329, Dip=61, Slip=35.
													Scalar Moment (OBN): Mo=4.9*10**18 Nm.
07	10	55	23.1*	58.642	N	157.229	E	10	G	4.4	1.0	15	KAMCHATKA
07	11	28	29.6*	41.976	S	84.445	E	10	G	4.6	1.2	21	SOUTHEAST INDIAN RIDGE
07	11	35	30.3?	18.60	S	172.23	W	33	N	4.4	1.1	8	TONGA ISLANDS REGION
07	13	05	23.6&	44.357	N	6.268	E	5	G		0.4	11	FRANCE. ML 2.4 (GEN).
07	13	35	46.2	54.785	N	162.591	E	33	N	4.0	0.9	15	NEAR EAST COAST OF KAMCHATKA
07	14	05	44.6	37.278	N	139.876	E	10	G		0.3	5	EASTERN HONSHU, JAPAN
07	14	07	44.0&	38.027	N	4.008	W	10	G		0.8	17	SPAIN. mbLg 3.0 (MDD).
07	14	23	38.3?	63.65	N	159.54	W	10	G		0.6	6	CENTRAL ALASKA. ML 2.9 (PMR).
07	14	34	46.4	15.691	N	147.693	E	33	N	4.2	0.9	19	MARIANA ISLANDS REGION
07	15	12	11.1?	62.50	S	55.50	W	10	G	4.2	1.5	7	SOUTHWESTERN ATLANTIC OCEAN
07	15	31	54.0*	31.701	N	115.684	W	5	G		0.8	21	BAJA CALIFORNIA, MEXICO. ML 3.3 (GS).
07	16	02	30.8&	60.383	N	152.966	W	137				54	SOUTHERN ALASKA. <AEIC>.
07	16	03	15.1*	38.844	N	94.142	E	33	N	4.2	1.0	20	QINGHAI, CHINA
07	16	43	32.7?	1.80	N	127.02	E	100	G	4.3	1.0	13	HALMAHERA, INDONESIA
07	16	47	43.4&	60.016	N	153.550	W	138		3.6		102	SOUTHERN ALASKA. <AEIC>.
07	18	06	56.6	35.480	N	22.755	E	33	N	4.3	1.2	32	CENTRAL MEDITERRANEAN SEA
07	19	24	17.5?	18.50	S	175.48	W	250	G	4.2	1.3	13	TONGA ISLANDS
07	21	17	31.9?	6.49	S	147.71	E	63	*	4.1	1.4	11	EASTERN NEW GUINEA REG., P.N.G.
07	21	53	04.6*	51.602	N	16.506	E	5	G		1.4	10	POLAND. MG 2.7 (WAR).
07	22	03	58.3	15.540	N	147.688	E	33	N	4.7	1.2	51	MARIANA ISLANDS REGION
07	22	53	57.2?	1.92	S	128.08	E	33	N	4.6	1.8	23	HALMAHERA, INDONESIA
07	23	23	47.5*	58.680	N	157.899	E	10	G	4.1	0.7	12	KAMCHATKA
07	23	46	49.0*	13.037	N	88.275	W	33	N	4.3	1.1	23	EL SALVADOR. Felt (II) at San Salvador.
08	00	18	36.2	30.050	N	88.155	E	33	N	4.5	1.0	33	XIZANG
08	00	53	59.9?	34.39	S	71.16	W	70	G		0.2	7	NEAR COAST OF CENTRAL CHILE. MD 2.6 (SAN).
08	01	23	07.5*	51.177	N	177.473	W	33	N	4.0	0.9	9	ANDREANOF ISLANDS, ALEUTIAN IS.
08	01	32	35.5	23.763	N	122.889	E	33	N	4.3	0.8	16	TAIWAN REGION
08	01	46	00.0*	42.656	S	42.257	E	10	G	4.0	1.1	14	PRINCE EDWARD ISLANDS REGION
08	02	32	56.0?	50.81	N	178.99	W	33	N	4.0	1.0	6	ANDREANOF ISLANDS, ALEUTIAN IS.
08	03	16	02.8*	43.104	N	47.174	E	33	N	3.7	1.1	14	EASTERN CAUCASUS
08	04	15	35.6	37.976	N	140.130	E	138		4.1	1.2	36	EASTERN HONSHU, JAPAN
08	04	35	20.1?	43.12	S	42.31	E	10	G	4.3	1.5	9	PRINCE EDWARD ISLANDS REGION
08	04	42	53.3&	39.570	N	122.028	W	23				22	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
08	05	03	23.2*	23.443	S	66.456	W	200	G	3.6	1.0	5	JUJUY PROVINCE, ARGENTINA
08	05	52	31.4*	57.762	N	156.360	W	33	N	3.4	1.2	18	ALASKA PENINSULA. ML 4.0 (PMR).
08	06	07	43.0&	59.400	N	152.890	W	86				41	SOUTHERN ALASKA. <AEIC>.
08	06	18	26.5*	51.045	N	177.682	W	33	N	3.9	1.2	22	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.0 (PMR).
08	07	30	27.3?	14.81	S	168.28	E	33	N	4.4	1.3	11	VANUATU ISLANDS
08	07	49	31.2&	60.370	N	147.250	W	14		3.2		36	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.6 (PMR).
08	09	30	55.1*	41.931	N	142.517	E	57	*	3.6	0.8	12	HOKKAIDO, JAPAN REGION
08	09	30	56.6*	15.165	S	167.369	E	200	G	4.5	0.9	19	VANUATU ISLANDS
08	10	22	29.4	16.325	N	61.545	W	33	N	4.0	1.0	20	LEEWARD ISLANDS. MD 3.7 (TRN). Felt (IV) on Martinique.
08	11	06	16.5*	36.860	N	71.503	E	147	*	3.8	1.1	13	AFGHANISTAN-TAJIKISTAN BORD REG.
08	11	33	50.1	20.701	S	178.836	W	600	G	4.2	0.9	26	FIJI ISLANDS REGION
08	11	40	38.2	21.509	N	94.853	E	102	D	5.1	0.9	87	MYANMAR
08	13	29	50.5*	58.785	N	157.730	E	10	G	4.0	1.0	22	KAMCHATKA
08	14	03	46.8?	6.51	S	150.27	E	33	N	3.9	1.5	7	NEW BRITAIN REGION, P.N.G.
08	16	03	33.7?	37.57	N	8.51	W	10	G		0.7	13	PORTUGAL. mbLg 3.3 (MDD). Felt (II) at Aljezur.
08	16	56	03.1*	7.972	S	127.802	E	33	N	4.7	1.5	21	BANDA SEA
08	17	32	19.5&	33.107	S	70.301	W	110	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
08	18	55	50.5?	20.08	S	177.85	W	500	G	4.0	0.8	7	FIJI ISLANDS REGION
08	19	53	50.1	42.996	N	14.289	E	10	G		1.2	20	CENTRAL ITALY. ML 3.6 (VIE). MD 3.3 (ROM).
08	20	06	44.5&	34.042	N	139.318	E	10	G		0.7	7	NEAR S. COAST OF HONSHU, JAPAN
08	20	08	55.8&	65.130	N	148.590	W	13				21	NORTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).

08	21	04	32.4?	34.49	S	70.39	W	10	G			6	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
08	21	49	56.2*	12.989	N	145.736	E	33	N	3.9	0.7	8	SOUTH OF MARIANA ISLANDS
08	22	03	33.6*	51.007	N	176.841	W	33	N	3.9	1.2	14	ANDREANOF ISLANDS, ALEUTIAN IS.
08	22	04	34.5?	19.88	S	133.93	E	10	G		0.9	6	NORTHERN TERRITORY, AUSTRALIA
08	22	50	15.3*	32.433	S	70.095	W	120	G		0.4	13	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
08	23	19	22.8	51.558	N	16.038	E	5	G		0.6	12	POLAND. ML 2.9 (MOX).
08	23	28	29.9&	30.385	N	88.207	E	33	N	4.0	1.5	12	XIZANG
08	23	43	19.0?	32.66	S	178.57	W	100	G	4.5	1.4	15	SOUTH OF KERMADEC ISLANDS
08	23	57	55.2*	30.298	N	88.240	E	33	N	4.1	1.3	16	XIZANG
09	00	04	37.0	6.012	S	150.084	E	94		4.7	1.2	41	NEW BRITAIN REGION, P.N.G.
09	00	25	18.1?	31.99	S	70.86	W	90	G		0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
09	01	07	44.1*	13.915	N	91.977	W	33	N	4.0	1.1	18	NEAR COAST OF GUATEMALA
09	01	43	35.5?	12.80	N	61.66	W	150	G		0.1	6	WINDWARD ISLANDS. MD 3.6 (TRN).
09	02	47	14.0	60.715	N	151.757	W	100	G		0.6	11	KENAI PENINSULA, ALASKA
09	03	22	58.7&	32.641	S	71.534	W	15	G		0.6	11	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
09	03	46	55.0?	43.69	N	146.69	E	74	?	4.0	1.3	12	KURIL ISLANDS
09	03	52	38.7?	32.88	S	178.53	W	33	N	4.2	1.3	8	SOUTH OF KERMADEC ISLANDS
09	03	56	04.8*	13.337	S	166.697	E	33	N	4.6	1.1	25	VANUATU ISLANDS
09	03	58	16.4	51.677	N	16.199	E	5	G		1.0	21	POLAND. ML 3.5 (VIE), 3.3 (MOX).
09	04	16	37.7?	6.30	N	81.04	W	10	G	3.7	1.2	11	SOUTH OF PANAMA
09	04	17	46.1?	62.48	S	55.53	W	10	G	4.3	1.3	12	SOUTHWESTERN ATLANTIC OCEAN
09	04	55	09.2	0.498	N	124.361	E	33	N	4.8	1.0	31	MINAHASSA PENINSULA, SULAWESI
09	07	33	03.1&	36.590	N	121.189	W	8				27	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.8 (GS).
09	07	56	43.4	52.061	N	169.970	W	33	N	4.6	1.1	38	FOX ISLANDS, ALEUTIAN ISLANDS
09	09	25	02.1*	24.184	S	66.723	W	200	G	3.7	1.0	14	SALTA PROVINCE, ARGENTINA
09	09	26	11.2*	26.038	S	129.726	E	10	G		1.3	6	SOUTH AUSTRALIA
09	10	13	23.9*	17.277	S	178.934	W	500	G	4.3	1.0	24	FIJI ISLANDS REGION
09	10	23	08.1	42.958	N	14.002	E	33	N	3.9	1.3	75	CENTRAL ITALY. ML 4.5 (VIE). Felt (VI) in the epicentral area.
09	11	19	02.4&	32.835	S	70.522	W	90	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
09	12	02	49.2	51.895	N	151.552	E	522	D	4.9	0.8	174	SEA OF OKHOTSK. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:02:51.5; Lat 51.59 N; Lon 151.58 E; Dep 516.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.36, Plg=15, Azm=212; (N) Val=0.89, Plg=12, Azm=305; (P) Val=-5.25, Plg=71, Azm=74; Best double couple: Mo=4.8*10**16 Nm; NP1: Strike=285, Dip=32, Slip=-114; NP2: Strike=132, Dip=61, Slip=-76.
09	12	29	10.1*	51.050	N	176.788	W	33	N	4.0	1.3	25	ANDREANOF ISLANDS, ALEUTIAN IS.
09	12	36	03.5*	36.328	N	1.811	E	10	G	3.7	1.2	25	NORTHERN ALGERIA. mbLg 3.4 (MDD).
09	12	57	57.0*	50.967	N	176.718	W	33	N	3.8	0.8	5	ANDREANOF ISLANDS, ALEUTIAN IS.
09	13	04	23.9?	33.16	S	179.88	E	200	G	4.1	1.3	18	SOUTH OF KERMADEC ISLANDS
09	14	41	59.6?	79.42	N	5.49	E	10	G	3.5	1.7	10	SVALBARD REGION
09	15	24	59.4?	19.34	S	178.00	W	600	G	4.3	0.7	14	FIJI ISLANDS REGION
09	16	40	23.3?	13.86	N	92.24	W	33	N	4.5	1.0	7	OFF COAST OF CHIAPAS, MEXICO
09	17	44	38.4*	29.552	N	141.196	E	33	N	4.3	1.0	17	SOUTH OF HONSHU, JAPAN
09	18	35	30.4	34.123	N	138.529	E	242		4.2	1.1	29	NEAR S. COAST OF HONSHU, JAPAN
09	19	22	28.2*	6.436	S	154.970	E	33	N	4.1	0.9	13	SOLOMON ISLANDS
09	20	10	16.5*	51.174	N	177.307	W	33	N	3.6	1.1	6	ANDREANOF ISLANDS, ALEUTIAN IS.
09	21	29	31.0&	37.211	N	3.739	W	10	G		0.8	8	SPAIN. mbLg 2.3 (MDD).
09	21	33	29.6?	29.94	S	179.88	E	500	G	4.1	1.0	15	KERMADEC ISLANDS REGION
09	21	36	23.9?	41.88	S	172.49	E	100	G	3.8	1.6	8	SOUTH ISLAND, NEW ZEALAND
09	21	58	30.0&	62.210	N	150.860	W	70				83	CENTRAL ALASKA. <AEIC>.
09	22	19	12.3?	4.61	S	134.21	E	33	N	4.3	1.6	10	IRIAN JAYA REGION, INDONESIA
09	22	35	53.2	51.630	N	16.374	E	5	G		0.8	18	POLAND. ML 3.5 (VIE), 3.0 (MOX).
09	22	49	59.8*	11.939	S	166.456	E	158	D	4.4	0.9	28	SANTA CRUZ ISLANDS
09	23	06	42.6*	17.682	S	178.702	W	600	G	4.3	0.9	39	FIJI ISLANDS REGION
10	00	04	19.7*	51.184	N	177.040	W	33	N	4.2	1.1	29	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
10	00	14	34.0*	32.030	S	71.449	W	33	N		0.4	12	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
10	00	32	45.6&	33.636	S	71.607	W	33	N		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.0 (SAN).
10	00	49	26.4	4.267	S	102.819	E	109	?	5.1	1.1	61	SOUTHERN SUMATERA, INDONESIA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:49:30.1; Lat 4.48 S; Lon 102.82 E; Dep 66.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.90, Plg=69, Azm=42; (N) Val=-0.51, Plg=6, Azm=295; (P) Val=-4.39, Plg=20, Azm=202; Best double couple: Mo=4.6*10**16 Nm; NP1: Strike=281, Dip=25, Slip=75; NP2: Strike=118, Dip=65, Slip=97.
10	00	51	04.6*	50.748	N	172.800	W	33	N	4.0	0.6	16	ANDREANOF ISLANDS, ALEUTIAN IS.
10	01	18	09.2?	22.25	N	143.85	E	139	?	4.1	1.4	20	VOLCANO ISLANDS REGION
10	01	25	52.2*	1.122	N	125.994	E	33	N	4.7	0.9	21	NORTHERN MOLUCCA SEA
10	03	12	18.0?	34.76	S	71.00	W	100	G		0.2	10	CHILE-ARGENTINA BORDER REGION
10	03	12	45.7	51.646	N	177.467	W	33	N	4.7	1.1	71	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
10	03	30	52.9?	1.08	S	136.38	E	33	N	4.6	0.9	13	IRIAN JAYA REGION, INDONESIA
10	03	48	10.8	9.143	N	126.285	E	33	N	4.7	1.0	34	MINDANAO, PHILIPPINE ISLANDS
10	03	49	21.7?	36.46	N	137.94	E	10	G		0.7	4	EASTERN HONSHU, JAPAN
10	04	01	22.8&	37.296	N	139.137	E	10	G		0.4	5	EASTERN HONSHU, JAPAN
10	04	42	48.2&	32.756	N	130.764	E	10	G		0.8	6	KYUSHU, JAPAN
10	04	51	48.2	40.120	N	20.745	E	10	G	4.0	1.0	36	GREECE-ALBANIA BORDER REGION. Felt (V) in the Leskovik area, Albania.
10	05	38	49.1	54.693	N	162.607	E	33	N	4.4	0.7	26	NEAR EAST COAST OF KAMCHATKA
10	05	48	19.4	52.168	N	171.146	W	33	N	5.3 5.4	1.1	185	FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.9 (HRV). ML 5.9 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 05:48:24.9; Lat 52.09 N; Lon 171.01 W; Dep 32.0 Bdy; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=6.63, Plg=71, Azm=322; (N) Val=0.82, Plg=4, Azm=63; (P) Val=-7.46, Plg=19, Azm=154; Best double couple: Mo=7.1*10**17 Nm; NP1: Strike=250, Dip=26, Slip=98; NP2: Strike=61, Dip=64, Slip=86.
10	05	48	20.9?	33.90	S	71.71	W	40	G		0.9	9	NEAR COAST OF CENTRAL CHILE
10	06	00	32.7*	52.285	N	171.073	W	33	N	3.3	1.1	9	FOX ISLANDS, ALEUTIAN ISLANDS
10	06	17	51.8&	33.668	S	71.425	W	40	G		0.3	10	NEAR COAST OF CENTRAL CHILE
10	06	25	53.9	51.906	N	151.479	E	507	D	4.4	0.8	75	SEA OF OKHOTSK

10	06	39	37.8*	52.164	N	171.141	W	33	N	4.1		1.0	24	FOX ISLANDS, ALEUTIAN ISLANDS
10	06	50	19.1?	46.05	N	11.19	E	10	G			0.2	5	NORTHERN ITALY. ML 2.2 (VIE).
10	07	15	52.7	58.727	N	157.728	E	10	G	4.5		1.0	38	KAMCHATKA
10	07	16	59.6?	36.15	N	28.40	E	33	N	3.7		1.6	10	DODECANESE ISLANDS
10	08	15	08.9	0.498	N	125.592	E	33	N	4.5		0.9	27	NORTHERN MOLUCCA SEA
10	08	33	09.3	52.145	N	171.193	W	33	N	4.4		1.2	42	FOX ISLANDS, ALEUTIAN ISLANDS
10	09	35	12.2?	1.49	S	126.89	E	33	N	4.2		1.5	7	SOUTHERN MOLUCCA SEA
10	09	54	27.9*	45.615	N	150.556	E	49	?	4.3		0.9	29	KURIL ISLANDS
10	10	52	52.9*	52.116	N	171.009	W	33	N	3.6		1.3	8	FOX ISLANDS, ALEUTIAN ISLANDS
10	11	19	55.9?	51.40	N	14.22	E	10	G			1.7	8	GERMANY
10	11	22	01.1*	23.752	S	66.991	W	200	G	3.2		0.9	7	JUJUY PROVINCE, ARGENTINA
10	11	54	13.0?	6.06	S	148.76	E	81	?	4.2		1.2	13	NEW BRITAIN REGION, P.N.G.
10	12	10	09.1	51.671	N	16.187	E	5	G			0.7	11	POLAND. ML 3.3 (VIE), 2.9 (MOX).
10	14	06	28.1	35.209	N	139.622	E	120		4.1		0.9	32	NEAR S. COAST OF HONSHU, JAPAN
10	15	56	52.9*	52.030	N	171.005	W	33	N	4.0		1.1	12	FOX ISLANDS, ALEUTIAN ISLANDS
10	17	41	35.2&	29.148	N	81.674	E	33	N	4.0		0.7	9	NEPAL
10	17	49	53.5*	2.360	N	126.029	E	33	N	4.4		0.9	16	NORTHERN MOLUCCA SEA
10	19	31	38.8?	53.17	N	154.98	E	400	G	3.6		1.1	10	SEA OF OKHOTSK
10	22	02	40.5*	1.564	S	138.249	E	33	N	5.0		1.3	23	NEAR NORTH COAST OF IRIAN JAYA
10	23	33	23.1?	36.65	N	7.32	W	20	G			1.3	5	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
11	02	26	55.5*	36.388	N	71.235	E	100	G	4.0		1.2	12	AFGHANISTAN-TAJIKISTAN BORD REG.
11	04	26	04.2*	44.343	N	110.831	W	5	G			0.4	9	YELLOWSTONE REGION, WYOMING. ML 3.1 (GS).
11	04	51	06.3&	34.176	S	70.720	W	100	G			0.1	10	CHILE-ARGENTINA BORDER REGION
11	05	44	30.8&	59.930	N	153.480	W	137		3.9			103	SOUTHERN ALASKA. <AEIC>.
11	06	01	24.6*	43.771	N	147.406	E	33	N	4.3		0.9	14	KURIL ISLANDS
11	07	02	36.4*	1.468	N	101.150	W	10	G	4.3		1.1	22	EAST CENTRAL PACIFIC OCEAN
11	07	31	18.6*	45.613	N	151.635	E	33	N	4.0		1.0	22	KURIL ISLANDS
11	07	36	20.1*	24.268	S	66.880	W	200	G	3.7		1.0	13	SALTA PROVINCE, ARGENTINA
11	07	56	14.5*	22.346	S	67.336	W	175	*	3.1		1.3	14	CHILE-BOLIVIA BORDER REGION
11	10	38	58.3*	45.678	N	151.701	E	33	N	4.2		1.0	19	KURIL ISLANDS
11	11	40	44.2&	40.285	N	124.209	W	11					23	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM).
11	12	11	21.2*	9.495	S	113.288	E	33	N	3.9		0.4	7	SOUTH OF JAWA, INDONESIA
11	13	45	04.3*	5.538	S	131.303	E	50	G	4.0		1.1	8	BANDA SEA
11	14	54	27.5&	58.670	N	156.530	W	180					42	ALASKA PENINSULA. <AEIC>.
11	15	01	34.8*	12.809	N	89.099	W	50	G	4.5		1.3	21	OFF COAST OF CENTRAL AMERICA
11	16	03	39.3*	5.965	S	153.212	E	50	G	3.8		0.7	12	NEW IRELAND REGION, P.N.G.
11	16	09	41.6*	44.696	N	148.003	E	33	N	3.9		0.9	15	KURIL ISLANDS
11	17	40	27.7*	15.882	S	74.824	W	70	G			1.1	11	NEAR COAST OF PERU
11	18	07	56.2*	44.942	N	37.911	E	33	N	4.0		1.4	19	NORTHWESTERN CAUCASUS. Felt (IV) at Myskhako and Novorossiysk; (III) at Abrau-Dyurso and Verkhnebakanskiy; (II) at Anapa.
11	18	23	14.7*	0.940	N	119.970	E	33	N	4.8		1.0	19	MINAHASSA PENINSULA, SULAWESI
11	18	24	14.5*	46.636	N	143.190	E	371	*	3.8		0.8	19	SAKHALIN ISLAND
11	18	43	31.4*	34.413	N	139.834	E	108		3.8		0.8	18	NEAR S. COAST OF HONSHU, JAPAN
11	19	09	26.0	44.023	N	10.180	E	10	G	3.9		1.2	45	NORTHERN ITALY
11	19	22	40.4?	1.90	N	127.60	E	33	N	4.2		0.7	5	HALMAHERA, INDONESIA
11	20	42	50.6?	5.67	N	125.10	E	200	G	3.8		1.4	10	MINDANAO, PHILIPPINE ISLANDS
11	21	18	44.6?	55.71	S	145.73	E	33	N	4.2		1.5	10	WEST OF MACQUARIE ISLAND
11	22	35	33.6	45.544	N	150.551	E	36	D	4.1		1.0	28	KURIL ISLANDS
11	23	11	44.2&	36.570	N	121.157	W	4					49	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.0 (GS).
12	00	35	55.9?	51.29	N	172.79	W	33	N	3.4		0.2	5	ANDREANOF ISLANDS, ALEUTIAN IS.
12	02	06	07.0	34.424	N	141.812	E	33	N	4.3		1.1	18	OFF EAST COAST OF HONSHU, JAPAN
12	02	09	17.9*	30.060	N	87.887	E	33	N	4.3		1.1	20	XIZANG
12	02	20	16.9*	15.068	S	173.755	W	33	N	4.6		0.9	28	TONGA ISLANDS
12	02	51	48.2*	30.104	N	88.317	E	33	N	3.9		0.9	11	XIZANG
12	03	20	54.5	40.763	N	141.344	E	101		3.9		1.1	23	NEAR EAST COAST OF HONSHU, JAPAN
12	03	47	39.9*	30.384	N	88.456	E	33	N	4.2		0.7	12	XIZANG
12	06	03	35.5*	51.483	N	177.775	W	33	N	4.2		1.1	15	ANDREANOF ISLANDS, ALEUTIAN IS.
12	07	31	59.7*	6.716	S	152.011	E	33	N	4.7		1.2	14	NEW BRITAIN REGION, P.N.G.
12	08	35	24.3*	23.408	S	66.612	W	214	*	3.5		1.0	17	JUJUY PROVINCE, ARGENTINA
12	08	50	02.4	45.475	N	150.617	E	33	N	4.9	5.2	1.0	103	KURIL ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:50:05.0; Lat 45.36 N; Lon 151.18 E; Dep 49.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.71, Plg=66, Azm=257; (N) Val=0.79, Plg=19, Azm=39; (P) Val=-6.50, Plg=14, Azm=134; Best double couple: Mo=6.1*10**16 Nm; NP1: Strike=249, Dip=35, Slip=125; NP2: Strike=28, Dip=62, Slip=68.
12	09	20	30.3?	19.78	S	178.87	W	600	G	4.2		0.7	12	FIJI ISLANDS REGION
12	10	10	35.5*	26.735	N	125.737	E	33	N	4.1		0.8	10	NORTHEAST OF TAIWAN
12	10	17	34.7	8.984	N	77.389	W	33	N	4.5		1.0	31	PANAMA-COLOMBIA BORDER REGION
12	11	54	31.5	30.066	N	88.103	E	33	N	4.2		0.6	23	XIZANG
12	12	34	55.8&	32.810	N	130.650	E	10	G			0.7	5	KYUSHU, JAPAN
12	12	38	38.2*	27.007	N	92.105	E	33	N	4.5		1.3	25	EASTERN XIZANG-INDIA BORDER REG.
12	13	01	45.4?	28.12	N	139.89	E	429	*	4.0		1.0	16	BONIN ISLANDS REGION
12	13	06	21.9	35.936	N	140.526	E	69		4.2		1.1	31	NEAR EAST COAST OF HONSHU, JAPAN
12	13	31	10.0*	22.034	S	179.518	W	573	*	4.8		1.1	44	SOUTH OF FIJI ISLANDS
12	14	23	56.9	30.389	N	127.711	E	33	N	3.9		1.3	16	NORTHWEST OF RYUKYU ISLANDS
12	15	19	23.5&	33.009	S	70.304	W	100	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
12	15	43	44.6*	4.686	N	76.126	W	100	G	3.8		0.9	13	COLOMBIA
12	17	33	07.8*	25.986	S	70.854	W	33	N	4.5		1.3	24	NEAR COAST OF NORTHERN CHILE. Felt (III) at Chanaral and Copiapo; (II) at Diego de Almagro and Tierra Amarilla.
12	17	53	10.6*	24.491	S	179.501	E	600	G	4.1		1.1	23	SOUTH OF FIJI ISLANDS
12	18	49	04.3?	31.82	S	70.78	W	110	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
12	19	03	37.0	63.262	N	151.416	W	33	N			0.7	10	CENTRAL ALASKA. ML 3.1 (PMR).
12	19	27	00.9	31.781	S	69.237	W	113	D	4.3		1.0	40	SAN JUAN PROVINCE, ARGENTINA. MD 4.6 (SAN).
12	19	52	28.3*	14.399	N	53.631	E	10	G	4.6	4.6	1.5	48	ARABIAN SEA
12	20	03	50.9?	20.91	S	170.21	E	33	N	3.8		1.4	10	VANUATU ISLANDS
12	20	06	30.6?	17.75	S	178.57	W	600	G	4.6		1.2	21	FIJI ISLANDS REGION
12	20	42	03.3*	2.832	N	31.201	W	10	G	3.8		0.8	11	CENTRAL MID-ATLANTIC RIDGE
12	20	48	08.8*	31.806	S	177.776	W	33	N	4.5		1.3	26	KERMADEC ISLANDS REGION
12	22	23	53.5*	21.133	S	68.492	W	145	*	4.0		0.9	16	CHILE-BOLIVIA BORDER REGION
12	22	29	32.7?	32.41	S	71.73	W	10	G			0.7	11	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).

12	22	33	09.4?	52.54	N	156.93	E	33	N	4.3		1.4	13	KAMCHATKA
12	23	42	08.6%	33.013	S	70.228	W	100	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
12	23	45	36.8%	34.029	S	70.783	W	80	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
13	00	21	21.3*	51.527	N	159.331	E	33	N	4.2		0.8	18	OFF EAST COAST OF KAMCHATKA
13	01	36	33.7%	35.518	N	23.524	E	50	G	3.4		1.3	6	CRETE
13	02	06	32.2*	51.416	N	177.692	W	33	N	4.0		1.3	17	ANDREANOF ISLANDS, ALEUTIAN IS.
13	02	16	24.1?	36.46	N	71.27	E	33	N	4.2		1.5	12	AFGHANISTAN-TAJIKISTAN BORD REG.
13	02	46	20.9	5.798	S	148.053	E	114	*	5.2		1.2	32	NEW BRITAIN REGION, P.N.G.
13	03	04	19.1%	51.745	N	159.850	E	100	G	3.7		0.9	8	OFF EAST COAST OF KAMCHATKA
13	03	46	26.9?	21.59	S	179.51	W	600	G	4.1		0.9	11	FIJI ISLANDS REGION
13	04	39	11.6*	13.125	N	88.147	W	69	*	4.2		1.0	20	EL SALVADOR. Felt (II) at San Salvador.
13	05	03	48.2*	38.128	N	22.859	E	10	G	3.6		0.8	10	GREECE
13	05	11	40.8?	32.56	S	71.56	W	25	G			0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
13	05	20	49.3%	51.667	N	159.876	E	33	N	4.0		0.7	9	OFF EAST COAST OF KAMCHATKA
13	07	20	25.8&	39.624	N	123.377	W	8					25	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM). ML 3.1 (GS), 3.0 (BRK).
13	08	07	07.4%	2.225	N	126.862	E	33	N	4.2		0.7	10	NORTHERN MOLUCCA SEA
13	08	29	03.8	29.988	N	88.059	E	33	N	4.3		0.8	26	XIZANG
13	08	32	23.0?	18.90	S	175.70	W	33	N	4.4		1.1	18	TONGA ISLANDS
13	09	08	02.5	34.803	N	5.812	W	33	N	4.1	4.3	1.1	43	MOROCCO. mbLg 3.8 (MDD).
13	09	56	07.5?	4.63	S	136.11	E	33	N	4.1		1.3	6	IRIAN JAYA REGION, INDONESIA
13	10	13	42.4?	32.72	S	71.75	W	33	N			0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
13	10	25	01.9	34.147	N	141.716	E	12		4.1		1.1	22	OFF EAST COAST OF HONSHU, JAPAN
13	12	19	09.3%	49.457	N	155.703	E	62	D	3.8		0.5	13	KURIL ISLANDS. Felt (II) at Severo-Kurilsk.
13	13	19	44.1*	30.110	N	88.215	E	33	N	4.1		1.2	18	XIZANG
13	14	32	09.3*	20.755	S	179.191	W	600	G	4.9		1.2	21	FIJI ISLANDS REGION
13	14	37	09.5*	52.379	N	170.594	W	33	N	3.9		1.1	17	FOX ISLANDS, ALEUTIAN ISLANDS
13	15	03	50.5%	33.361	N	134.096	E	10	G			0.2	7	SHIKOKU, JAPAN
13	15	10	30.2	51.358	N	177.851	W	33	N	5.2	4.6	1.0	125	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.2 (HRV). ML 5.3 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 15:10:32.8; Lat 51.49 N; Lon 177.67 W; Dep 40.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.09, Plg=61, Azm=243; (N) Val=1.81, Plg=25, Azm=31; (P) Val=-6.90, Plg=13, Azm=127; Best double couple: Mo=6.0*10**16 Nm; NP1: Strike=247, Dip=38, Slip=133; NP2: Strike=17, Dip=63, Slip=62.
13	15	32	01.5*	6.966	S	130.059	E	100	G	3.7		0.8	7	BANDA SEA
13	15	57	07.3?	5.01	S	129.56	E	200	G	3.7		0.6	5	BANDA SEA
13	17	36	18.5?	31.61	S	69.99	W	150	G			0.3	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
13	18	59	38.8*	31.893	N	141.755	E	33	N	4.2		1.4	15	SOUTH OF HONSHU, JAPAN
13	19	03	43.6*	7.231	N	126.968	E	33	N	4.1		1.1	18	MINDANAO, PHILIPPINE ISLANDS
13	19	09	32.9*	55.997	N	114.617	E	10	G	4.3		0.9	20	EAST OF LAKE BAYKAL, RUSSIA. Felt (V) at Severomuysk and Taksimo; (IV) at Tonnelnyy; (III) at Bodaybo.
13	19	12	21.5*	56.071	N	114.796	E	10	G	4.5	4.5	1.0	22	EAST OF LAKE BAYKAL, RUSSIA
13	20	05	05.5*	7.146	N	127.442	E	33	N	3.9		0.9	9	PHILIPPINE ISLANDS REGION
13	20	09	50.4*	51.181	N	177.956	E	33	N	4.1		0.8	10	RAT ISLANDS, ALEUTIAN ISLANDS
13	20	29	25.3?	14.08	N	91.98	W	33	N	4.0		1.1	12	GUATEMALA
13	21	55	32.1	0.083	N	124.251	E	100	G	5.0		1.1	40	MINAHASSA PENINSULA, SULAWESI
13	22	04	38.5*	36.468	N	70.873	E	200	G	3.5		0.9	11	HINDU KUSH REGION, AFGHANISTAN
13	22	15	42.4%	32.991	S	70.308	W	100	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
13	22	34	15.9	64.600	N	148.920	W	10	G			0.5	7	CENTRAL ALASKA. ML 3.0 (PMR).
14	00	40	06.1	32.627	N	76.524	E	33	N	4.1		0.8	12	KASHMIR-INDIA BORDER REGION
14	02	03	53.6?	32.56	S	71.57	W	20	G			0.6	10	NEAR COAST OF CENTRAL CHILE
14	03	03	05.5&	40.490	N	125.567	W	15					4	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
14	04	59	52.8%	34.576	S	70.496	W	110	G			0.4	8	CHILE-ARGENTINA BORDER REGION
14	05	03	38.7%	34.300	S	70.241	W	10	G			0.4	10	CHILE-ARGENTINA BORDER REGION
14	05	15	01.4?	35.24	N	139.96	E	33	N			0.5	5	NEAR S. COAST OF HONSHU, JAPAN
14	05	21	26.1*	36.796	N	71.629	E	98	D	4.0		0.9	15	AFGHANISTAN-TAJIKISTAN BORD REG.
14	06	10	29.8%	24.329	N	122.496	E	33	N	4.0		0.8	7	TAIWAN REGION
14	07	00	21.0?	31.07	S	179.53	W	500	G	4.2		1.3	17	KERMADEC ISLANDS REGION
14	07	09	40.6?	33.44	N	137.56	E	344	*			1.4	8	NEAR S. COAST OF HONSHU, JAPAN
14	07	27	38.6*	29.207	N	142.625	E	33	N	4.0		1.5	9	SOUTH OF HONSHU, JAPAN
14	08	59	16.6?	3.87	N	63.52	E	10	G	4.1		1.2	9	CARLSBERG RIDGE
14	09	01	53.3	3.613	N	63.444	E	10	G	4.8		1.1	69	CARLSBERG RIDGE
14	11	25	39.6*	55.312	S	32.987	W	33	N	4.2		1.0	10	SOUTH GEORGIA ISLAND REGION
14	13	21	38.8*	15.175	S	71.952	W	150	G	4.5		1.1	33	SOUTHERN PERU
14	13	29	58.9?	23.62	S	178.82	E	500	G	4.2		1.4	12	SOUTH OF FIJI ISLANDS
14	14	54	41.7?	12.97	N	87.51	W	300	G	3.1		1.2	11	NEAR COAST OF NICARAGUA
14	15	00	15.3%	34.306	S	70.226	W	10	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
14	15	01	16.0?	11.99	N	86.23	W	100	G	3.8		1.3	12	NEAR COAST OF NICARAGUA
14	15	02	06.2*	11.840	N	86.459	W	100	G	4.0		1.0	12	NEAR COAST OF NICARAGUA
14	15	15	14.3%	40.259	N	139.779	E	33	N			1.3	5	NEAR WEST COAST OF HONSHU, JAPAN
14	15	17	51.4%	34.271	S	70.250	W	10	G			0.4	11	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
14	15	43	49.2	36.342	N	71.098	E	232	D	4.2		0.8	34	AFGHANISTAN-TAJIKISTAN BORD REG.
14	17	02	32.2?	50.96	N	176.53	W	33	N	3.8		1.4	7	ANDREANOF ISLANDS, ALEUTIAN IS.
14	17	07	13.9	51.093	N	176.542	W	33	N	4.8	4.9	1.1	88	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:07:11.9; Lat 50.92 N; Lon 176.18 W; Dep 26.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.56, Plg=57, Azm=308; (N) Val=-0.15, Plg=10, Azm=53; (P) Val=-5.41, Plg=31, Azm=149; Best double couple: Mo=5.5*10**16 Nm; NP1: Strike=270, Dip=16, Slip=128; NP2: Strike=51, Dip=77, Slip=80.
14	17	23	46.8?	38.48	N	73.78	E	121	?	4.1		1.1	10	TAJIKISTAN-XINJIANG BORDER REG.
14	17	55	45.9*	39.127	N	142.669	E	33	N	4.0		1.2	16	NEAR EAST COAST OF HONSHU, JAPAN
14	18	32	14.0	63.285	N	151.206	W	33	N			0.9	11	CENTRAL ALASKA. ML 3.5 (PMR), 3.2 (AEIC).
14	18	43	00.3?	6.47	S	150.84	E	33	N	4.1		1.4	10	NEW BRITAIN REGION, P.N.G.
14	18	50	13.1?	21.36	S	179.28	W	600	G	3.9		1.2	19	FIJI ISLANDS REGION
14	19	07	39.5?	51.02	N	176.65	W	33	N	3.9		1.3	8	ANDREANOF ISLANDS, ALEUTIAN IS.
14	19	21	30.3	21.451	S	179.439	W	639	D	5.0		0.9	105	FIJI ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:21:33.9; Lat 21.58 S; Lon 179.22 W; Dep 637.2; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T)

Val=1.29, Plg=72, Azm=125; (N) Val=-0.13, Plg=7, Azm=11; (P) Val=-1.16, Plg=16, Azm=279; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=358, Dip=30, Slip=75; NP2: Strike=195, Dip=61, Slip=98.

14	19	50	01.0?	11.60	S	166.29	E	150	G	4.3	1.5	21	SANTA CRUZ ISLANDS
14	22	06	38.9&	36.256	N	71.572	E	289	?	3.3	0.3	7	AFGHANISTAN-TAJIKISTAN BORD REG.
14	22	40	11.9*	10.306	N	62.626	W	33	N	4.3	1.4	33	NEAR COAST OF VENEZUELA
15	00	13	28.6	46.015	N	5.977	E	5	G	4.5 4.5	1.2	111	FRANCE. mbLg 4.3 (MDD). One person slightly injured and minor damage (VI) at Cruseilles. Felt strongly at Annecy. Also felt at Lyon. Widely felt in the French Alps and southwestern Switzerland.
15	02	08	44.0?	33.06	S	178.64	W	33	N	4.5	1.4	8	SOUTH OF KERMADEC ISLANDS
15	02	30	50.1	37.045	N	141.286	E	54	D	3.8	1.0	23	NEAR EAST COAST OF HONSHU, JAPAN
15	03	59	33.0*	52.042	N	159.230	E	33	N	4.3 4.4	1.4	13	OFF EAST COAST OF KAMCHATKA
15	05	01	45.2*	3.648	S	12.098	W	10	G	4.6 4.8	1.0	33	NORTH OF ASCENSION ISLAND. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:01:52.5; Lat 3.55 S; Lon 12.05 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.63, Plg=6, Azm=79; (N) Val=-0.68, Plg=28, Azm=346; (P) Val=-6.95, Plg=61, Azm=179; Best double couple: Mo=7.3*10**16 Nm; NP1: Strike=196, Dip=46, Slip=-49; NP2: Strike=325, Dip=57, Slip=-124.
15	05	28	01.6?	21.89	N	99.22	E	33	N	4.3	0.2	5	MYANMAR-CHINA BORDER REGION
15	05	28	59.6*	3.580	S	11.873	W	10	G	4.3	0.5	8	NORTH OF ASCENSION ISLAND
15	05	46	12.7	46.052	N	6.034	E	5	G		0.8	16	SWITZERLAND. ML 3.3 (VIE).
15	06	01	11.7	3.502	S	12.143	W	10	G	4.5 5.1	1.0	26	NORTH OF ASCENSION ISLAND. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:01:21.2; Lat 3.65 S; Lon 12.34 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.31, Plg=19, Azm=81; (N) Val=-2.17, Plg=10, Azm=348; (P) Val=-7.13, Plg=69, Azm=231; Best double couple: Mo=8.2*10**16 Nm; NP1: Strike=187, Dip=28, Slip=-68; NP2: Strike=343, Dip=64, Slip=-101.
15	07	54	00.5?	33.20	S	178.64	W	33	N	4.6	0.9	10	SOUTH OF KERMADEC ISLANDS
15	09	12	21.9&	23.039	N	121.596	E	33	N	3.8	1.0	9	TAIWAN
15	10	41	02.7&	31.361	N	132.180	E	33	N		0.7	8	SOUTHEAST OF SHIKOKU, JAPAN
15	10	46	30.9?	1.86	N	126.70	E	33	N	4.3	0.9	6	NORTHERN MOLUCCA SEA
15	11	25	00.6&	62.574	N	149.590	W	73				48	CENTRAL ALASKA. <AEIC>.
15	12	52	52.3	36.364	N	70.690	E	217	D	4.8	1.0	51	HINDU KUSH REGION, AFGHANISTAN
15	13	01	24.6&	52.730	N	142.526	E	100	G	3.9	1.3	15	SAKHALIN ISLAND
15	14	10	59.4*	51.186	N	178.852	W	33	N	4.3	0.7	11	ANDREANOF ISLANDS, ALEUTIAN IS.
15	14	15	33.3*	23.873	S	115.357	W	10	G	4.2	0.7	8	SOUTHERN EAST PACIFIC RISE
15	14	47	57.2&	39.113	N	70.277	E	33	N	4.0	1.1	11	TAJIKISTAN
15	14	50	35.7?	43.85	N	151.91	E	45	D	3.5	1.4	5	EAST OF KURIL ISLANDS
15	15	05	49.6&	36.137	N	139.830	E	10	G		0.8	5	EASTERN HONSHU, JAPAN
15	15	39	15.3*	15.752	N	93.479	W	100	G	4.4	1.2	43	NEAR COAST OF CHIAPAS, MEXICO
15	15	45	50.2?	23.63	S	115.41	W	10	G	4.0	1.1	8	SOUTHERN EAST PACIFIC RISE
15	16	06	26.1	51.670	N	16.230	E	10	G		1.1	12	POLAND. ML 3.1 (MOX).
15	16	09	56.0*	3.753	S	140.066	E	78	D	4.1	1.1	13	IRIAN JAYA, INDONESIA
15	16	51	22.0	18.726	N	145.628	E	177	D	5.9	1.2	199	MARIANA ISLANDS. Mw 6.3 (GS), 6.3 (HRV). Me 6.3 (GS). mb 5.9 (BRK). Broadband Source Parameters (GS): NP1: Strike=220, Dip=35, Slip=150; NP2: Strike=335, Dip=73, Slip=59; Radiated energy 6.0*10**13 Nm. Moment Tensor (GS): Dep 176; Principal axes (scale 10**18 Nm): (T) Val=2.25, Plg=51, Azm=197; (N) Val=0.81, Plg=25, Azm=324; (P) Val=-3.06, Plg=27, Azm=67; Best double couple: Mo=2.7*10**18 Nm; NP1: Strike=202, Dip=29, Slip=151; NP2: Strike=317, Dip=76, Slip=64. Centroid, Moment Tensor (HRV): Centroid origin time 16:51:28.4; Lat 18.76 N; Lon 145.82 E; Dep 189.0; Half-duration 3.3 sec; Principal axes (scale 10**18 Nm): (T) Val=2.78, Plg=48, Azm=210; (N) Val=0.02, Plg=25, Azm=331; (P) Val=-2.80, Plg=31, Azm=77; Best double couple: Mo=2.8*10**18 Nm; NP1: Strike=218, Dip=26, Slip=159; NP2: Strike=327, Dip=81, Slip=65.
15	17	43	37.3&	24.188	N	141.862	E	33	N	4.0	0.3	8	VOLCANO ISLANDS REGION
15	18	01	28.7*	51.285	N	159.262	E	33	N	4.0	0.6	14	OFF EAST COAST OF KAMCHATKA
15	19	01	56.2*	23.913	S	67.518	W	138	*	4.6	1.2	46	CHILE-ARGENTINA BORDER REGION
15	19	31	45.5*	33.063	N	49.840	E	33	N	4.4	0.9	20	WESTERN IRAN
15	19	58	37.9	33.804	N	135.508	E	55	*	4.1	0.3	13	NEAR S. COAST OF WESTERN HONSHU
15	21	23	34.0	17.600	N	100.965	W	18	G	5.7 6.5	1.2	165	GUERRERO, MEXICO. Mw 6.8 (GS), 6.6 (HRV). Me 6.1 (GS). Ms 6.4 (BRK). Felt strongly at Acapulco, Ixtapa and Mexico City. Also felt in Oaxaca. Broadband Source Parameters (GS): Dep 18; Radiated energy 3.3*10**13 Nm. Moment Tensor (GS): Dep 9; Principal axes (scale 10**19 Nm): (T) Val=1.77, Plg=60, Azm=30; (N) Val=-0.06, Plg=9, Azm=285; (P) Val=-1.70, Plg=28, Azm=191; Best double couple: Mo=1.7*10**19 Nm; NP1: Strike=258, Dip=18, Slip=62; NP2: Strike=108, Dip=74, Slip=99. Centroid, Moment Tensor (HRV): Centroid origin time 21:23:42.2; Lat 17.50 N; Lon 101.12 W; Dep 22.4; Half-duration 5.1 sec; Principal axes (scale 10**19 Nm): (T) Val=1.01, Plg=66, Azm=21; (N) Val=-0.03, Plg=1, Azm=114; (P) Val=-0.98, Plg=24, Azm=204; Best double couple: Mo=9.9*10**18 Nm; NP1: Strike=297, Dip=21, Slip=93; NP2: Strike=113, Dip=69, Slip=89.
15	21	37	13.7*	10.106	N	126.270	E	33	N	4.5	1.4	19	PHILIPPINE ISLANDS REGION
15	21	44	36.3&	38.112	N	121.869	W	21				62	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 2.9 (GS).
15	21	50	27.7?	17.91	S	178.71	W	600	G	4.1	0.9	10	FIJI ISLANDS REGION
15	22	22	00.4	47.519	N	12.348	E	10	G		0.6	21	AUSTRIA. ML 3.4 (FUR), 3.1 (VIE). Felt (IV) at Kitzbuhel and Sankt Johann in Tirol.

15	23	16	55.8*	17.399	N	100.872	W	33	N	4.1		1.2	21	GUERRERO, MEXICO
16	00	40	37.9	17.511	N	101.033	W	33	N	4.7		1.0	65	NEAR COAST OF GUERRERO, MEXICO
16	02	33	03.8	46.549	N	149.874	E	154	*	4.5		0.8	50	KURIL ISLANDS
16	02	41	24.9*	42.957	N	20.616	E	10	G			0.8	7	NORTHWESTERN BALKAN REGION
16	02	42	07.8?	14.27	S	167.40	E	33	N	4.3		1.0	8	VANUATU ISLANDS
16	02	43	11.0?	25.35	S	178.27	E	650	G	4.3		0.8	13	SOUTH OF FIJI ISLANDS
16	03	27	01.3?	43.66	N	147.26	E	33	N	4.1		0.3	5	KURIL ISLANDS
16	03	48	28.3	56.084	N	164.998	E	33	N	5.8	6.4	1.2	205	KOMANDORSKY ISLANDS REGION. Mw 6.6 (OBN), 6.5 (GS), 6.5 (HRV). Me 6.8 (GS). Broadband Source Parameters (GS): NP1: Strike=24, Dip=89, Slip=3; NP2: Strike=294, Dip=87, Slip=179; Radiated energy 3.2*10**14 Nm. Moment Tensor (GS): Dep 21; Principal axes (scale 10**18 Nm): (T) Val=5.02, Plg=1, Azm=267; (N) Val=0.79, Plg=81, Azm=168; (P) Val=-5.81, Plg=9, Azm=357; Best double couple: Mo=5.4*10**18 Nm; NP1: Strike=42, Dip=83, Slip=-5; NP2: Strike=133, Dip=85, Slip=-173. Centroid, Moment Tensor (HRV): Centroid origin time 03:48:34.0; Lat 56.16 N; Lon 164.98 E; Dep 15.0 Bdy; Half-duration 4.4 sec; Principal axes (scale 10**18 Nm): (T) Val=7.46, Plg=10, Azm=259; (N) Val=-0.55, Plg=78, Azm=111; (P) Val=-6.91, Plg=6, Azm=350; Best double couple: Mo=7.2*10**18 Nm; NP1: Strike=35, Dip=79, Slip=3; NP2: Strike=304, Dip=87, Slip=169. Scalar Moment (OBN): Mo=9.3*10**18 Nm. Scalar Moment (PPT): Mo=1.2*10**19 Nm.
16	04	08	11.0	56.222	N	164.485	E	33	N	4.5		0.7	38	KOMANDORSKY ISLANDS REGION
16	04	10	43.1&	61.942	N	149.531	W	42					31	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
16	04	10	50.5*	44.588	N	110.937	W	5	G			0.7	9	YELLOWSTONE REGION, WYOMING. ML 3.0 (GS).
16	04	11	13.4*	56.223	N	164.380	E	33	N	4.1		0.8	16	KOMANDORSKY ISLANDS REGION
16	04	13	05.7*	56.212	N	164.479	E	33	N	4.1		1.0	18	KOMANDORSKY ISLANDS REGION
16	04	17	03.5*	56.339	N	164.648	E	33	N	4.1		1.1	17	KOMANDORSKY ISLANDS REGION
16	04	36	38.8?	51.48	N	177.50	W	33	N	4.0		1.3	12	ANDREANOF ISLANDS, ALEUTIAN IS.
16	05	39	35.8*	31.388	N	133.406	E	33	N	4.7		1.1	33	SOUTHEAST OF SHIKOKU, JAPAN
16	06	00	24.2	56.230	N	164.651	E	33	N	4.6	4.6	0.6	50	KOMANDORSKY ISLANDS REGION
16	06	12	13.5	56.123	N	164.640	E	33	N	4.7		0.7	57	KOMANDORSKY ISLANDS REGION
16	06	12	28.4	56.186	N	164.562	E	33	N	5.0		0.8	84	KOMANDORSKY ISLANDS REGION
16	06	43	35.0%	33.929	N	132.219	E	33	N			1.0	7	SHIKOKU, JAPAN
16	07	16	44.7%	35.074	N	137.478	E	33	N			0.3	8	EASTERN HONSHU, JAPAN
16	08	40	46.6*	32.915	N	47.947	E	33	N	4.1		0.9	19	IRAN-IRAQ BORDER REGION
16	09	00	42.6	56.119	N	164.645	E	33	N	4.7	3.9	0.8	52	KOMANDORSKY ISLANDS REGION
16	09	09	50.1?	43.70	N	146.71	E	33	N	3.7		0.5	5	KURIL ISLANDS
16	09	16	41.9?	2.06	S	136.83	E	33	N	4.1		0.9	6	IRIAN JAYA REGION, INDONESIA
16	10	07	36.6	1.016	N	120.254	E	33	N	6.0	6.4	1.0	145	MINAHASSA PENINSULA, SULAWESI. Mw 6.6 (GS), 6.6 (HRV). Me 6.4 (GS). Ms 6.4 (BRK). Some damage in the Tolitoli area. Felt widely in northwestern Sulawesi. Broadband Source Parameters (GS): Dep 18; NP1: Strike=250, Dip=85, Slip=60; NP2: Strike=151, Dip=30, Slip=170; Radiated energy 1.0*10**14 Nm. Moment Tensor (GS): Dep 5; Principal axes (scale 10**18 Nm): (T) Val=7.82, Plg=52, Azm=161; (N) Val=2.17, Plg=8, Azm=262; (P) Val=-9.99, Plg=37, Azm=358; Best double couple: Mo=8.9*10**18 Nm; NP1: Strike=128, Dip=11, Slip=136; NP2: Strike=261, Dip=82, Slip=82. Centroid, Moment Tensor (HRV): Centroid origin time 10:07:42.4; Lat 1.27 N; Lon 120.35 E; Dep 21.0 Bdy; Half-duration 4.5 sec; Principal axes (scale 10**18 Nm): (T) Val=8.25, Plg=58, Azm=178; (N) Val=0.29, Plg=5, Azm=81; (P) Val=-8.54, Plg=31, Azm=348; Best double couple: Mo=8.4*10**18 Nm; NP1: Strike=63, Dip=14, Slip=71; NP2: Strike=262, Dip=76, Slip=95.
16	10	21	37.4?	2.79	S	134.20	E	33	N	4.8		1.4	6	IRIAN JAYA REGION, INDONESIA
16	10	24	36.2&	66.092	N	148.072	W	32					14	NORTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
16	10	53	55.1?	20.25	S	177.96	W	500	G	3.8		1.1	9	FIJI ISLANDS REGION
16	10	58	11.2*	51.726	N	14.235	E	10	G			1.4	5	GERMANY
16	11	39	51.1	17.267	N	101.036	W	33	N	4.4		1.1	36	NEAR COAST OF GUERRERO, MEXICO
16	12	16	17.3*	3.829	S	131.293	E	33	N	4.4		1.1	8	IRIAN JAYA REGION, INDONESIA
16	12	19	18.5&	35.098	N	117.006	W	5					24	CENTRAL CALIFORNIA. <PAS-P>. MD 3.1 (PAS). ML 3.0 (GS). Felt at Barstow.
16	13	04	25.4	51.699	N	16.035	E	10	G	3.3		1.5	17	POLAND. ML 3.6 (VIE).
16	13	25	21.0%	1.144	N	120.193	E	33	N	4.4		0.7	8	MINAHASSA PENINSULA, SULAWESI
16	13	27	23.5%	1.191	N	120.300	E	33	N	4.2		0.5	8	MINAHASSA PENINSULA, SULAWESI
16	13	40	45.9	34.589	N	140.489	E	33	N	4.1		0.8	13	NEAR EAST COAST OF HONSHU, JAPAN
16	15	24	19.7%	26.569	N	126.667	E	33	N	4.1		1.0	10	RYUKYU ISLANDS
16	16	09	45.5?	9.68	S	79.57	W	33	N	3.9	3.8	1.2	9	OFF COAST OF NORTHERN PERU
16	16	46	16.6	32.676	N	47.769	E	33	N	4.2		0.9	17	IRAN-IRAQ BORDER REGION
16	17	02	17.5	21.092	S	177.260	W	282	D	4.8		1.1	69	FIJI ISLANDS REGION
16	17	10	28.2&	60.187	N	153.536	W	147					41	SOUTHERN ALASKA. <AEIC>.
16	18	08	00.3&	34.282	N	118.377	W	6					5	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.6 (PAS). Felt in the Lake View Terrace area.
16	18	17	22.3	13.572	N	91.281	W	33	N	4.8	4.2	1.0	55	NEAR COAST OF GUATEMALA
16	18	30	21.3*	17.754	S	178.305	W	600	G	4.5		1.2	24	FIJI ISLANDS REGION
16	19	13	17.6*	39.641	N	73.725	E	33	N	4.3		1.4	21	TAJIKISTAN-XINJIANG BORDER REG.
16	21	31	48.0	40.454	N	127.396	W	10	G	4.5		0.8	65	OFF COAST OF NORTHERN CALIFORNIA. Mw 4.8 (BRK). ML 4.4 (BRK). Scalar Moment (BRK): Mo=2.1*10**16 Nm.
16	22	37	35.8&	38.940	N	123.008	W	5					26	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 3.1 (GS).
16	22	55	20.8*	2.830	N	126.959	E	33	N	4.7		1.5	17	NORTHERN MOLUCCA SEA
17	00	05	35.3	27.928	N	130.329	E	27		4.1		1.1	16	RYUKYU ISLANDS
17	00	39	30.0?	5.64	S	103.21	E	33	N	4.1		0.5	8	SOUTHERN SUMATERA, INDONESIA
17	00	50	06.8	47.195	N	11.424	E	10	G			1.2	43	AUSTRIA. ML 3.6 (VIE), 3.5 (FUR), 3.4 (LDG). Felt (IV) at Innsbruck.
17	00	54	12.5	47.175	N	11.519	E	10	G			1.2	65	AUSTRIA. ML 4.1 (VIE), 3.9 (FUR), 3.8 (LDG). Felt (IV) at

														Innsbruck.
17	01	17	49.8	56.250	N	164.536	E	33	N	4.4		0.8	38	KOMANDORSKY ISLANDS REGION
17	01	17	52.0*	51.354	N	159.727	E	33	N	4.1		1.0	16	OFF EAST COAST OF KAMCHATKA
17	01	28	40.3%	47.600	N	3.511	E	10	G			0.8	6	FRANCE
17	01	33	33.6*	14.105	S	72.912	W	95	*	3.8		1.3	13	CENTRAL PERU
17	02	15	47.5	47.141	N	11.511	E	7				1.0	9	AUSTRIA. ML 2.7 (LDG), 2.5 (FUR), 2.4 (VIE).
17	02	18	40.1*	79.688	N	4.180	E	10	G	4.0		1.0	15	GREENLAND SEA
17	02	31	30.8	51.094	N	177.231	W	33	N	4.4		0.8	57	ANDREANOF ISLANDS, ALEUTIAN IS.
17	02	46	41.0	51.638	N	16.070	E	10	G			1.1	12	POLAND. ML 3.3 (MOX).
17	03	25	15.8	56.105	N	164.906	E	33	N	4.3		0.9	41	KOMANDORSKY ISLANDS REGION
17	03	35	13.6	34.302	N	139.237	E	10	G	4.3		1.2	30	NEAR S. COAST OF HONSHU, JAPAN
17	03	37	10.6	34.251	N	139.380	E	10	G	4.1		0.8	18	NEAR S. COAST OF HONSHU, JAPAN
17	03	50	58.3	34.285	N	139.240	E	10	G	4.1		1.2	29	NEAR S. COAST OF HONSHU, JAPAN
17	04	21	12.7	34.311	N	139.208	E	10	G	4.0		1.2	26	NEAR S. COAST OF HONSHU, JAPAN
17	04	52	51.1	47.156	N	11.493	E	10	G			0.2	6	AUSTRIA. ML 1.9 (VIE).
17	04	59	00.5?	34.23	N	139.27	E	10	G			0.5	5	NEAR S. COAST OF HONSHU, JAPAN
17	05	23	47.6*	26.039	N	91.935	E	33	N	4.3		0.9	10	NORTHEASTERN INDIA
17	06	56	06.9*	31.391	N	78.551	E	33	N	4.6		1.4	19	XIZANG-INDIA BORDER REGION
17	07	00	54.6*	44.537	N	148.032	E	33	N	4.0		1.3	13	KURIL ISLANDS
17	07	17	37.9*	47.162	N	11.489	E	10	G			0.4	5	AUSTRIA. ML 1.7 (VIE).
17	07	59	12.8&	61.459	N	147.121	W	20		4.0			122	SOUTHERN ALASKA. <AEIC>. ML 4.5 (AEIC), 4.5 (PMR). Felt (III) at Anchorage and (II) at Eagle River, Palmer and Valdez. Also felt at Pump Station #12 of the Trans-Alaska Pipeline.
17	09	05	05.6	40.754	N	15.312	E	10	G	3.7		0.9	18	SOUTHERN ITALY
17	09	26	58.0	24.018	N	122.598	E	43		4.9	4.4	1.1	42	TAIWAN REGION
17	10	35	12.3*	41.943	N	120.510	E	33	N	4.6		1.4	51	NORTHEASTERN CHINA
17	11	03	14.4*	51.576	N	14.463	E	10	G	2.5		1.1	7	GERMANY. ML 2.7 (MOX).
17	12	01	46.3*	51.613	N	14.490	E	10	G			1.4	7	GERMANY
17	12	25	56.9*	22.027	S	68.135	W	141	*	3.0		1.2	10	NORTHERN CHILE
17	13	24	39.7&	62.956	N	150.664	W	111					44	CENTRAL ALASKA. <AEIC>.
17	13	51	01.3*	21.074	S	68.370	W	139	*	4.3		0.7	10	CHILE-BOLIVIA BORDER REGION
17	14	05	03.2%	17.294	N	145.040	E	33	N	3.8		1.1	10	MARIANA ISLANDS
17	14	19	00.1*	36.586	S	71.608	W	100	G	3.5		0.9	9	CENTRAL CHILE
17	15	10	48.0%	45.008	N	6.626	E	10	G			1.4	11	FRANCE. ML 2.6 (LDG).
17	15	18	37.6	25.575	N	109.526	W	10	G	4.1		0.6	26	GULF OF CALIFORNIA
17	15	35	19.7%	35.070	N	27.447	E	33	N	3.9		1.0	8	DODECANESE ISLANDS
17	16	04	40.9?	13.07	N	88.68	W	50	G	4.3		1.5	10	EL SALVADOR
17	16	32	26.1	51.670	N	16.204	E	10	G			0.8	10	POLAND. ML 2.8 (MOX).
17	16	53	32.0&	18.900	N	155.250	W	10		4.2			9	HAWAII. <SPEC>.
17	17	13	47.3&	60.144	N	153.443	W	180					46	SOUTHERN ALASKA. <AEIC>.
17	17	22	48.8	25.464	N	109.672	W	10	G	4.6	4.8	0.9	70	GULF OF CALIFORNIA
17	18	01	41.2?	46.31	N	12.43	E	10	G			1.3	9	NORTHERN ITALY. ML 2.7 (LDG), 2.7 (FUR), 2.4 (VIE).
17	18	22	14.0&	63.258	N	151.131	W	9					50	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
17	18	26	08.5*	44.666	N	142.443	E	234	*	4.1		0.9	41	HOKKAIDO, JAPAN REGION
17	18	51	57.4?	54.04	S	134.43	W	10	G	4.4		1.4	13	PACIFIC-ANTARCTIC RIDGE
17	18	54	01.2%	34.005	N	135.232	E	33	N			1.1	7	NEAR S. COAST OF WESTERN HONSHU
17	19	08	36.0*	23.859	S	69.957	W	82	*	4.1		1.5	15	NORTHERN CHILE
17	21	15	31.0	7.820	N	72.710	W	33	N	4.5		0.7	55	NORTHERN COLOMBIA
17	21	15	48.1&	59.933	N	152.406	W	95					73	SOUTHERN ALASKA. <AEIC>.
17	21	34	25.5*	20.144	S	133.880	E	10	G	4.9		1.1	5	NORTHERN TERRITORY, AUSTRALIA
17	21	35	45.1	43.508	N	146.789	E	33	N	4.0		1.1	26	KURIL ISLANDS
17	21	54	32.8?	17.00	S	172.90	W	33	N	4.2		1.5	8	TONGA ISLANDS REGION
17	22	12	17.8*	37.513	N	49.838	E	33	N	4.3		1.5	9	CASPIAN SEA
17	22	36	15.4*	43.468	N	126.450	W	10	G	3.6		1.3	13	OFF COAST OF OREGON
17	22	45	54.5	51.415	N	159.402	E	33	N	4.8		1.0	74	OFF EAST COAST OF KAMCHATKA
17	23	48	46.6	44.859	N	10.418	E	10	G			1.2	16	NORTHERN ITALY. ML 2.6 (LDG), 2.5 (VIE).
18	01	30	36.0%	46.057	N	6.496	E	10	G			1.1	12	SWITZERLAND. ML 2.6 (LDG).
18	01	39	44.0*	11.754	N	125.485	E	50	G	4.5		0.9	11	SAMAR, PHILIPPINE ISLANDS
18	03	39	44.7	21.856	S	68.449	W	122	D	4.6		1.2	40	CHILE-BOLIVIA BORDER REGION
18	03	52	57.7*	52.093	N	30.181	W	10	G	3.5		1.2	9	NORTHERN MID-ATLANTIC RIDGE
18	04	44	14.0*	35.096	N	135.727	E	10	G	3.9		1.4	13	WESTERN HONSHU, JAPAN
18	04	47	53.7?	34.92	S	71.14	W	100	G			0.3	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
18	05	21	49.3*	12.970	N	88.538	W	33	N	4.4		1.2	30	OFF COAST OF CENTRAL AMERICA
18	08	16	43.8	17.600	N	100.963	W	33	N	4.9	4.7	0.9	121	GUERRERO, MEXICO. Mw 5.4 (HRV). Felt at Mexico City. Centroid, Moment Tensor (HRV): Centroid origin time 08:16:47.1; Lat 17.35 N; Lon 101.02 W; Dep 26.2; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.54, Plg=64, Azm=29; (N) Val=0.10, Plg=3, Azm=293; (P) Val=-1.64, Plg=26, Azm=202; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=285, Dip=19, Slip=81; NP2: Strike=114, Dip=71, Slip=93.
18	08	20	31.5%	45.835	N	6.164	E	10	G			0.6	10	FRANCE. ML 2.6 (LDG).
18	08	42	07.3&	60.047	N	151.789	W	68					77	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC).
18	08	55	20.5	51.139	N	176.482	W	33	N	4.3		1.0	42	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.0 (PMR).
18	09	02	33.2%	33.598	S	70.028	W	10	G			0.3	10	CHILE-ARGENTINA BORDER REGION
18	09	18	09.3&	62.278	N	151.367	W	92					79	CENTRAL ALASKA. <AEIC>.
18	09	21	27.2?	51.57	N	160.03	E	33	N	3.9		1.0	8	OFF EAST COAST OF KAMCHATKA
18	09	25	53.6%	9.634	N	126.282	E	33	N	4.4		1.0	12	MINDANAO, PHILIPPINE ISLANDS
18	09	26	54.4	52.071	N	179.598	E	150	G	4.6		1.2	46	RAT ISLANDS, ALEUTIAN ISLANDS
18	09	52	08.1	31.019	N	141.160	E	49	D	4.6		1.1	36	SOUTH OF HONSHU, JAPAN
18	10	13	47.0&	60.170	N	153.609	W	150		4.1			135	SOUTHERN ALASKA. <AEIC>.
18	10	19	32.1?	35.62	N	141.02	E	10	G			0.8	5	NEAR EAST COAST OF HONSHU, JAPAN
18	10	25	02.4	30.093	N	88.173	E	33	N	4.6		0.7	43	XIZANG
18	12	55	22.7%	34.347	S	70.696	W	100	G			0.1	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
18	13	01	45.4	51.645	N	16.114	E	10	G			1.1	13	POLAND. ML 3.1 (MOX).
18	13	33	39.4%	16.352	N	120.812	E	33	N	3.8		0.3	6	LUZON, PHILIPPINE ISLANDS
18	13	42	40.0*	31.090	N	141.547	E	10	G	3.9		1.5	10	SOUTH OF HONSHU, JAPAN
18	14	22	41.2&	60.056	N	153.385	W	137					49	SOUTHERN ALASKA. <AEIC>.
18	14	27	57.7%	31.256	N	55.590	E	33	N	4.0		1.0	11	NORTHERN IRAN
18	17	38	54.6&	35.769	N	121.253	W	3					53	CENTRAL CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.3 (GS), 3.2 (BRK).
18	17	39	52.1&	19.900	N	155.554	W	27		4.0			30	HAWAII. <HVO-P>. MD 4.4 (HVO). Felt strongly at Waimea. Felt

throughout the island of Hawaii.

18	18	30	42.1&	40.423	N	125.493	W	26				26	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK), 2.8 (GS). MD 2.8 (GM).
18	19	00	21.8?	34.36	S	72.17	W	5	G		0.8	8	NEAR COAST OF CENTRAL CHILE
18	20	36	22.9%	45.997	N	6.080	E	10	G		1.1	12	FRANCE. ML 2.7 (LDG).
18	20	52	46.3*	4.638	N	125.680	E	150	G	4.6	0.7	22	TALAUD ISLANDS, INDONESIA
18	21	03	36.3%	46.378	N	7.161	E	10	G		1.3	6	SWITZERLAND. ML 2.2 (LDG).
18	21	09	26.3%	60.423	S	25.113	W	33	N	4.5	0.6	11	SOUTH SANDWICH ISLANDS REGION
18	21	11	33.8%	32.565	S	70.569	W	90	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
18	21	17	23.2?	10.55	N	62.12	W	10	G		1.5	5	NEAR COAST OF VENEZUELA. MD 3.2 (TRN).
18	21	28	06.7?	34.29	S	72.19	W	5	G		0.6	8	NEAR COAST OF CENTRAL CHILE
18	22	31	04.1%	33.763	S	70.128	W	10	G		0.3	8	CHILE-ARGENTINA BORDER REGION
18	22	55	03.4	51.494	N	159.442	E	33	N	5.5 5.2	0.9	187	OFF EAST COAST OF KAMCHATKA. Mw 6.0 (OBN), 5.8 (HRV). Felt (III) at Petropavlovsk-Kamchatskiy. Centroid, Moment Tensor (HRV): Centroid origin time 22:55:10.7; Lat 51.44 N; Lon 159.83 E; Dep 22.6; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=5.34, Plg=76, Azm=310; (N) Val=1.06, Plg=2, Azm=214; (P) Val=-6.40, Plg=14, Azm=124; Best double couple: Mo=5.9*10**17 Nm; NP1: Strike=211, Dip=31, Slip=87; NP2: Strike=35, Dip=59, Slip=92. Scalar Moment (OBN): Mo=1.2*10**18 Nm.
18	22	59	37.3*	51.488	N	158.951	E	33	N	4.7	1.3	20	NEAR EAST COAST OF KAMCHATKA
18	23	34	26.7%	33.472	S	70.089	W	10	G		0.8	8	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
19	00	49	19.9%	33.377	S	69.856	W	10	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
19	01	12	07.7?	51.51	N	174.98	W	33	N	3.8	0.4	4	ANDREANOF ISLANDS, ALEUTIAN IS.
19	01	50	48.7*	25.948	S	179.740	E	500	G	4.3	0.8	19	SOUTH OF FIJI ISLANDS
19	02	28	49.3	39.821	N	54.085	E	33	N	5.0	0.8	113	TURKMENISTAN
19	02	40	55.4?	18.43	S	177.94	W	550	G	4.2	1.4	11	FIJI ISLANDS REGION
19	03	20	52.5?	51.83	N	6.89	E	10	G		1.0	11	GERMANY. ML 2.7 (LDG), 2.2 (UCC).
19	03	41	28.9	5.877	N	95.334	E	33	N	4.7	1.0	64	NORTHERN SUMATERA, INDONESIA
19	04	00	59.5%	56.231	N	164.573	E	33	N	3.8	0.2	6	KOMANDORSKY ISLANDS REGION
19	04	23	13.4?	0.80	S	136.71	E	33	N	4.4	0.9	9	IRIAN JAYA REGION, INDONESIA
19	04	27	28.9&	60.049	N	153.574	W	160				28	SOUTHERN ALASKA. <AEIC>.
19	05	04	39.0?	9.56	N	141.75	E	33	N	4.1	1.5	8	WESTERN CAROLINE ISLANDS
19	05	34	24.4	5.821	N	95.317	E	33	N	4.6	1.1	33	NORTHERN SUMATERA, INDONESIA
19	06	06	55.5*	51.718	N	159.194	E	33	N	4.1	0.9	21	OFF EAST COAST OF KAMCHATKA
19	06	12	28.8*	15.604	S	167.806	E	100	G	4.9	1.1	62	VANUATU ISLANDS
19	06	22	57.8	49.705	N	156.081	E	33	N	4.2	1.0	34	KURIL ISLANDS
19	07	13	16.9*	5.689	N	95.280	E	33	N	4.3	0.9	12	NORTHERN SUMATERA, INDONESIA
19	08	28	56.9	51.521	N	177.665	W	33	N	4.9 4.1	0.8	143	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.1 (HRV). ML 4.8 (PMR). Felt (III) on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 08:29:00.0; Lat 51.46 N; Lon 177.71 W; Dep 53.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.98, Plg=54, Azm=287; (N) Val=-1.26, Plg=12, Azm=33; (P) Val=-3.71, Plg=33, Azm=131; Best double couple: Mo=4.3*10**16 Nm; NP1: Strike=260, Dip=16, Slip=138; NP2: Strike=31, Dip=79, Slip=78.
19	09	00	50.6	17.357	N	100.123	W	33	N	4.8 3.9	1.0	118	GUERRERO, MEXICO. Felt at Acapulco and Mexico City.
19	09	34	31.8*	44.303	N	149.400	E	33	N	4.1	1.2	15	KURIL ISLANDS
19	10	28	47.7	38.787	N	14.607	E	300	G	4.0	1.3	52	SICILY
19	10	51	51.7%	51.604	N	14.510	E	10	G		1.0	7	GERMANY
19	11	16	17.8?	36.23	N	140.96	E	33	N		0.5	5	NEAR EAST COAST OF HONSHU, JAPAN
19	11	20	28.9&	37.547	N	118.867	W	8				35	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK), 3.0 (GS).
19	11	25	05.4%	34.016	S	71.493	W	40	G		0.5	8	NEAR COAST OF CENTRAL CHILE
19	11	33	37.4*	61.998	S	56.342	W	10	G	4.1	0.9	13	SOUTH SHETLAND ISLANDS
19	12	01	58.2&	59.639	N	152.901	W	108				20	SOUTHERN ALASKA. <AEIC>.
19	12	14	08.7&	60.387	N	152.462	W	97				28	SOUTHERN ALASKA. <AEIC>.
19	12	14	25.5*	15.455	S	173.764	W	33	N	4.8	1.3	55	TONGA ISLANDS
19	12	21	14.9?	24.08	S	179.73	E	600	G	3.7	1.1	9	SOUTH OF FIJI ISLANDS
19	13	26	03.1?	28.37	N	142.50	E	33	N	4.0	0.7	6	BONIN ISLANDS REGION
19	14	14	54.1*	26.058	S	135.583	E	10	G	3.3	1.5	7	SOUTH AUSTRALIA
19	14	22	02.5?	6.20	S	80.82	W	33	N		1.2	6	NEAR COAST OF NORTHERN PERU
19	14	35	21.2%	36.210	N	139.938	E	33	N		0.2	5	EASTERN HONSHU, JAPAN
19	14	41	07.0&	59.784	N	152.772	W	86				26	SOUTHERN ALASKA. <AEIC>.
19	15	30	37.2*	23.113	N	141.747	E	200	G	4.0	1.1	13	VOLCANO ISLANDS REGION
19	15	40	50.3*	51.511	N	159.659	E	33	N	4.2	0.9	20	OFF EAST COAST OF KAMCHATKA
19	16	21	40.2	58.180	N	142.653	W	10	G		0.9	65	GULF OF ALASKA. ML 3.6 (AEIC).
19	17	00	48.2*	32.652	S	178.831	W	33	N	4.6	1.2	24	SOUTH OF KERMADEC ISLANDS. Felt on Raoul.
19	18	52	45.5*	4.909	S	152.924	E	33	N	4.7	1.0	23	NEW BRITAIN REGION, P.N.G.
19	19	19	34.4*	44.178	N	149.525	E	33	N	4.5	1.1	16	KURIL ISLANDS
19	19	24	09.9*	44.346	N	149.589	E	33	N	4.3	1.1	14	KURIL ISLANDS
19	19	27	53.0*	29.901	S	177.329	W	100	G	4.5	1.5	27	KERMADEC ISLANDS, NEW ZEALAND. Felt (I) on Raoul.
19	19	46	47.4*	51.416	N	159.784	E	33	N	4.1	0.7	15	OFF EAST COAST OF KAMCHATKA
19	19	49	59.1?	21.74	N	145.50	E	33	N	3.8	1.3	7	MARIANA ISLANDS REGION
19	20	06	19.0*	44.947	N	28.175	W	10	G	4.1 4.4	1.1	31	NORTHERN MID-ATLANTIC RIDGE
19	20	37	05.7%	45.954	N	6.235	E	10	G		1.0	8	FRANCE. ML 2.1 (LDG).
19	21	51	19.7%	33.055	S	70.329	W	100	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
19	22	17	43.2?	31.73	S	70.03	W	150	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
19	23	36	38.4*	48.183	S	31.623	E	10	G	4.0	0.8	7	SOUTH OF AFRICA
19	23	43	03.9*	48.247	S	31.642	E	10	G	5.2 4.9	1.2	44	SOUTH OF AFRICA
19	23	59	24.4%	33.966	S	70.639	W	85	G		0.4	9	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
20	00	00	41.8	36.147	N	27.103	E	33	N	5.7 6.2	1.0	279	DODECANESE ISLANDS. Mw 6.2 (HRV), 6.0 (GS). Me 5.9 (GS). Ms 6.2 (BRK). Broadband Source Parameters (GS): Dep 7; NP1: Strike=195, Dip=45, Slip=-50; NP2: Strike=325, Dip=57, Slip=-123; Radiated energy 1.5*10**13 Nm. Two events about 2.5 seconds apart. Depth based on first event. Moment Tensor (GS): Dep 14; Principal axes (scale 10**17 Nm): (T) Val=9.96, Plg=1, Azm=101; (N) Val=0.01, Plg=4, Azm=11; (P) Val=-9.97, Plg=86, Azm=207; Best double couple:

													Mo=1.0*10**18 Nm; NP1: Strike=195, Dip=44, Slip=-85; NP2: Strike=8, Dip=46, Slip=-95. Centroid, Moment Tensor (HRV): Centroid origin time 00:00:47.1; Lat 36.07 N; Lon 26.92 E; Dep 15.0 Bdy; Half-duration 3.0 sec; Principal axes (scale 10**18 Nm): (T) Val=2.37, Plg=8, Azm=114; (N) Val=0.01, Plg=7, Azm=205; (P) Val=-2.38, Plg=79, Azm=338; Best double couple: Mo=2.4*10**18 Nm; NP1: Strike=196, Dip=38, Slip=-102; NP2: Strike=30, Dip=53, Slip=-81.
20	00	21	33.0%	48.973	N	1.906	E	10	G			0.9	5	FRANCE
20	00	41	45.5?	36.03	N	27.45	E	33	N	4.0		1.4	11	DODECANESE ISLANDS
20	01	04	16.9?	35.84	N	27.09	E	33	N	3.6		1.4	17	DODECANESE ISLANDS
20	01	05	45.1*	21.612	N	143.059	E	300	G	3.6		0.7	8	MARIANA ISLANDS REGION
20	01	10	07.4?	36.06	N	27.67	E	33	N	3.4		0.8	5	DODECANESE ISLANDS
20	01	16	06.3	36.115	N	27.190	E	33	N	3.8		1.0	44	DODECANESE ISLANDS
20	01	17	10.8%	45.950	N	6.244	E	10	G			1.0	8	FRANCE. ML 2.0 (LDG).
20	01	29	00.8%	36.206	N	26.973	E	33	N	3.5		0.2	6	DODECANESE ISLANDS
20	01	34	43.6	36.220	N	27.210	E	33	N	4.1		1.1	71	DODECANESE ISLANDS
20	01	43	16.5	36.247	N	27.203	E	33	N	4.1		0.9	55	DODECANESE ISLANDS
20	01	46	34.8*	36.046	N	27.035	E	33	N	3.9		1.3	51	DODECANESE ISLANDS
20	02	20	37.7	58.066	N	142.697	W	10	G			0.9	28	GULF OF ALASKA. ML 2.7 (AEIC).
20	02	25	52.7	52.563	N	31.742	W	10	G	4.3		0.9	54	NORTHERN MID-ATLANTIC RIDGE
20	02	47	29.1?	36.15	N	27.25	E	33	N	3.8		0.8	6	DODECANESE ISLANDS
20	03	04	29.4%	36.071	N	27.212	E	33	N	3.4		0.5	6	DODECANESE ISLANDS
20	03	12	53.4*	2.129	S	133.772	E	33	N	4.5		1.1	21	IRIAN JAYA REGION, INDONESIA
20	03	34	45.6*	58.587	N	142.669	W	10	G			1.3	28	GULF OF ALASKA. ML 3.4 (AEIC).
20	03	47	22.3*	36.133	N	27.310	E	33	N	4.0		1.3	45	DODECANESE ISLANDS
20	03	56	59.7	36.118	N	27.163	E	33	N	4.5		1.3	126	DODECANESE ISLANDS
20	04	14	15.8	20.554	S	69.032	W	86	D	4.7		0.9	64	NORTHERN CHILE
20	04	17	33.9	20.993	S	68.591	W	130	G	4.1		1.1	30	CHILE-BOLIVIA BORDER REGION
20	04	41	43.9	36.157	N	27.066	E	33	N	3.8		0.9	41	DODECANESE ISLANDS
20	05	46	18.3*	13.539	N	91.620	W	33	N	4.3		1.2	25	NEAR COAST OF GUATEMALA
20	05	59	30.3*	12.138	N	123.244	E	33	N	4.4		1.5	11	LUZON, PHILIPPINE ISLANDS
20	06	35	06.6*	5.135	N	82.523	W	10	G	4.6	4.4	1.2	39	SOUTH OF PANAMA
20	07	06	16.7&	60.197	N	153.468	W	146		3.8			48	SOUTHERN ALASKA. <AEIC>. Felt (II) at Anchorage, Palmer and Wasilla.
20	07	17	03.6	11.852	N	142.202	E	33	N	4.4		1.0	27	SOUTH OF MARIANA ISLANDS
20	07	18	45.3	36.148	N	27.302	E	33	N	4.0		1.2	46	DODECANESE ISLANDS
20	07	32	30.9?	20.40	S	67.77	E	10	G	4.3		1.2	10	MID-INDIAN RIDGE
20	07	41	15.2	19.820	S	177.643	W	357	D	5.7		1.0	236	FIJI ISLANDS REGION. Mw 5.9 (GS), 5.9 (HRV). Me 5.9 (GS). mb 5.9 (BRK). Broadband Source Parameters (GS): NP1: Strike=285, Dip=75, Slip=75; NP2: Strike=151, Dip=21, Slip=134; Radiated energy 1.5*10**13 Nm. Moment Tensor (GS): Dep 364; Principal axes (scale 10**17 Nm): (T) Val=6.71, Plg=50, Azm=238; (N) Val=1.17, Plg=25, Azm=113; (P) Val=-7.88, Plg=28, Azm=8; Best double couple: Mo=7.3*10**17 Nm; NP1: Strike=52, Dip=28, Slip=26; NP2: Strike=299, Dip=78, Slip=116. Centroid, Moment Tensor (HRV): Centroid origin time 07:41:21.2; Lat 19.72 S; Lon 177.46 W; Dep 373.1; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=6.43, Plg=56, Azm=220; (N) Val=0.91, Plg=15, Azm=106; (P) Val=-7.34, Plg=30, Azm=7; Best double couple: Mo=6.9*10**17 Nm; NP1: Strike=60, Dip=21, Slip=42; NP2: Strike=290, Dip=76, Slip=106.
20	07	46	28.2*	36.007	N	27.113	E	33	N	3.7		1.0	17	DODECANESE ISLANDS
20	08	03	46.4?	35.80	N	27.44	E	33	N	3.8		0.8	5	DODECANESE ISLANDS
20	08	13	52.0?	5.15	S	153.91	E	33	N	4.2		0.9	11	NEW IRELAND REGION, P.N.G.
20	08	51	30.3*	35.983	N	27.099	E	33	N	3.6		0.6	9	DODECANESE ISLANDS
20	08	55	55.0*	3.091	N	127.134	E	33	N	4.6		1.0	23	TALAUD ISLANDS, INDONESIA
20	09	09	47.8	36.094	N	27.180	E	33	N	4.8		1.1	97	DODECANESE ISLANDS
20	09	14	04.1	13.856	N	120.671	E	110	D	5.5		1.0	180	MINDORO, PHILIPPINE ISLANDS. Mw 5.9 (GS), 5.9 (HRV). Felt (IV RF) at Tagaytay, Luzon. Felt (III RF) at Puerto Galera. Moment Tensor (GS): Dep 108; Principal axes (scale 10**17 Nm): (T) Val=8.87, Plg=46, Azm=6; (N) Val=-0.93, Plg=37, Azm=148; (P) Val=-7.93, Plg=20, Azm=254; Best double couple: Mo=8.4*10**17 Nm; NP1: Strike=27, Dip=42, Slip=156; NP2: Strike=136, Dip=74, Slip=51. Centroid, Moment Tensor (HRV): Centroid origin time 09:14:07.4; Lat 13.87 N; Lon 120.48 E; Dep 119.4; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=8.69, Plg=51, Azm=10; (N) Val=-0.89, Plg=21, Azm=128; (P) Val=-7.80, Plg=32, Azm=231; Best double couple: Mo=8.2*10**17 Nm; NP1: Strike=10, Dip=23, Slip=154; NP2: Strike=124, Dip=80, Slip=69.
20	09	19	47.0%	45.935	N	6.085	E	10	G			1.4	9	FRANCE
20	09	35	57.1?	36.12	N	26.33	E	33	N	3.7		0.8	8	DODECANESE ISLANDS
20	09	36	26.5	46.408	N	152.369	E	33	N	4.3		1.1	38	KURIL ISLANDS
20	09	57	48.4?	36.18	N	27.37	E	33	N	3.8		1.5	6	DODECANESE ISLANDS
20	10	51	24.3*	15.072	S	167.392	E	100	G	4.7		1.2	45	VANUATU ISLANDS
20	11	36	16.5	36.152	N	27.392	E	33	N	3.8		1.2	16	DODECANESE ISLANDS
20	11	47	53.4	36.125	N	27.242	E	33	N	4.2		1.2	68	DODECANESE ISLANDS
20	12	02	57.0	43.983	N	83.596	E	33	N	4.5		0.8	37	NORTHERN XINJIANG, CHINA
20	12	18	27.4?	36.21	N	27.17	E	33	N	3.6		0.3	5	DODECANESE ISLANDS
20	12	27	47.6?	44.50	N	129.62	W	10	G			0.5	29	OFF COAST OF OREGON
20	12	37	57.0?	11.81	S	66.18	E	10	G	3.9		0.7	6	MID-INDIAN RIDGE
20	13	07	15.1*	35.530	N	27.279	E	33	N	3.8		1.2	31	DODECANESE ISLANDS
20	14	55	52.8	10.529	S	165.315	E	33	N	5.0	5.1	1.0	94	SANTA CRUZ ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:56:00.1; Lat 10.08 S; Lon 165.10 E; Dep 39.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.36, Plg=59, Azm=211; (N) Val=2.11, Plg=25, Azm=353;

													(P) Val=-9.47, Plg=17, Azm=91; Best double couple: Mo=8.4*10**16 Nm; NP1: Strike=214, Dip=36, Slip=137; NP2: Strike=341, Dip=66, Slip=62.
20	15	56	56.3	36.239	N	27.214	E	33	N	3.8	0.9	26	DODECANESE ISLANDS
20	16	45	39.5?	25.31	S	176.72	W	100	G	4.1	1.2	10	SOUTH OF FIJI ISLANDS
20	16	59	19.9	9.929	N	92.953	E	33	N	4.6	1.1	59	NICOBAR ISLANDS, INDIA
20	17	12	36.6	35.217	N	27.977	E	33	N	3.8	1.1	37	DODECANESE ISLANDS
20	18	11	53.8	51.735	N	16.093	E	10	G	3.7	1.3	21	POLAND. ML 3.8 (VIE), 3.5 (MOX).
20	18	37	40.8*	36.184	N	27.146	E	33	N	3.7	1.3	11	DODECANESE ISLANDS
20	18	59	44.1	10.185	N	121.528	E	33	N	4.1	1.2	18	PANAY, PHILIPPINE ISLANDS
20	19	14	53.2&	45.033	N	6.616	E	10	G		1.2	8	FRANCE. ML 1.8 (LDG).
20	19	25	07.5	36.161	N	27.266	E	33	N	4.2	1.3	67	DODECANESE ISLANDS
20	20	48	17.6*	35.915	N	27.162	E	33	N	3.9	1.5	27	DODECANESE ISLANDS
20	21	40	58.8	36.124	N	27.190	E	33	N	3.9	1.2	51	DODECANESE ISLANDS
20	21	44	53.1?	36.04	N	27.39	E	33	N	3.6	1.5	13	DODECANESE ISLANDS
20	22	04	33.2	45.981	N	6.051	E	10	G	3.7	1.1	37	FRANCE. ML 3.4 (LDG).
20	22	06	17.5&	59.200	N	147.431	W	35				70	GULF OF ALASKA. <AEIC>. ML 2.9 (AEIC).
20	22	12	09.9*	21.614	N	144.446	E	100	G	3.5	1.1	10	MARIANA ISLANDS REGION
20	22	28	27.4?	35.97	N	27.46	E	33	N	3.5	1.5	11	DODECANESE ISLANDS
20	22	38	29.7	36.076	N	27.153	E	33	N	3.7	1.1	24	DODECANESE ISLANDS
20	22	48	25.1*	35.956	N	27.101	E	33	N	3.8	1.4	28	DODECANESE ISLANDS
20	22	48	57.7&	45.942	N	6.244	E	10	G		1.1	6	FRANCE. ML 1.9 (LDG).
20	23	44	34.8	8.655	S	114.675	E	33	N	5.1	1.1	51	BALI REGION, INDONESIA
20	23	47	47.8&	44.775	N	6.746	E	10	G		0.4	8	FRANCE. ML 1.7 (LDG).
21	00	09	37.4	51.212	N	169.037	W	33	N	5.3 4.5	1.2	212	FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:09:38.1; Lat 51.24 N; Lon 169.28 W; Dep 15.0 Bdy; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.04, Plg=5, Azm=162; (N) Val=-0.66, Plg=5, Azm=71; (P) Val=-7.38, Plg=83, Azm=294; Best double couple: Mo=7.7*10**16 Nm; NP1: Strike=258, Dip=40, Slip=-82; NP2: Strike=67, Dip=50, Slip=-97.
21	01	31	37.0	36.069	N	27.120	E	22	?	3.8	0.9	47	DODECANESE ISLANDS
21	01	47	58.2*	1.177	N	120.233	E	33	N	4.4	0.8	11	MINAHASSA PENINSULA, SULAWESI
21	02	36	32.9*	36.027	N	27.461	E	100	?	3.4	0.8	14	DODECANESE ISLANDS
21	03	14	07.7	4.069	S	142.357	E	127	*	4.9	0.9	77	NEW GUINEA, PAPUA NEW GUINEA
21	03	58	42.6	36.105	N	31.967	E	120	?	3.9	0.9	50	TURKEY
21	04	03	34.9*	14.815	S	73.411	W	124	?	4.4	1.0	31	CENTRAL PERU
21	04	22	53.2?	36.07	N	27.37	E	115	?	3.7	1.2	26	DODECANESE ISLANDS
21	04	32	27.6	58.087	N	150.185	W	10	G		0.7	53	GULF OF ALASKA. ML 2.8 (AEIC).
21	05	11	20.3?	37.66	N	29.80	E	10	G	3.9	1.0	11	TURKEY
21	06	02	55.9	51.278	N	178.299	W	33	N	4.7	0.9	96	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
21	06	04	11.7?	30.80	N	132.32	E	33	N		1.0	4	SOUTHEAST OF SHIKOKU, JAPAN
21	09	40	10.6	18.296	N	62.412	W	61		4.5	0.6	78	LEEWARD ISLANDS
21	10	13	40.3&	60.276	N	153.468	W	169				13	SOUTHERN ALASKA. <AEIC>.
21	10	17	52.0&	34.292	S	70.596	W	100	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
21	10	37	58.7*	36.317	N	26.936	E	127	?	3.8	1.0	30	DODECANESE ISLANDS
21	11	00	52.1?	34.44	S	70.47	W	120	G		0.1	8	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
21	11	18	42.4*	28.301	N	52.355	E	33	N	4.6	0.6	19	SOUTHERN IRAN
21	12	53	18.9&	33.996	N	116.814	W	13				31	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.4 (PAS). ML 3.3 (GS). Felt.
21	13	22	21.6*	50.455	N	19.056	E	10	G		0.7	7	POLAND
21	14	57	42.9&	33.236	S	70.207	W	104	?		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
21	15	00	33.9	2.021	N	124.660	E	229		5.0	0.9	55	CELEBES SEA
21	15	38	57.0	35.833	N	116.647	W	5	G		0.8	29	CENTRAL CALIFORNIA. ML 3.4 (GS).
21	17	22	14.1&	34.434	S	70.750	W	100	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
21	17	53	40.4	36.819	N	141.763	E	33	N	4.5	1.0	48	NEAR EAST COAST OF HONSHU, JAPAN
21	18	26	06.4&	17.271	N	62.417	W	50	G		0.7	5	LEEWARD ISLANDS. MD 3.1 (TRN).
21	19	04	06.4?	35.52	N	27.51	E	33	N	3.8	1.5	6	DODECANESE ISLANDS
21	19	23	07.6*	57.552	N	137.137	W	10	G		1.1	16	OFF COAST OF SOUTHEASTERN ALASKA. ML 3.4 (AEIC).
21	20	17	17.7	36.085	N	27.270	E	33	N	4.0	0.9	15	DODECANESE ISLANDS
21	20	38	19.2	64.505	N	137.726	W	10	G	4.9	0.7	185	SOUTHERN YUKON TERRITORY, CANADA. ML 5.0 (PGC), 4.9 (PMR). Felt strongly in the Flat Creek area. Also felt slightly at Dawson City.
21	21	09	52.1&	44.537	N	7.234	E	10	G		0.2	8	NORTHERN ITALY. ML 1.5 (LDG).
21	21	17	41.9?	35.99	N	27.61	E	33	N	3.7	1.5	6	DODECANESE ISLANDS
21	22	27	18.0?	36.11	N	27.44	E	33	N	3.7	1.4	16	DODECANESE ISLANDS
21	22	33	39.6&	18.900	N	155.250	W	10	G	4.3		5	HAWAII. <SPEC>.
21	23	09	19.3*	64.482	N	137.915	W	10	G		1.0	15	SOUTHERN YUKON TERRITORY, CANADA. ML 3.3 (AEIC).
21	23	19	07.4	36.120	N	27.244	E	33	*	4.4	1.2	93	DODECANESE ISLANDS
21	23	23	42.2?	36.18	N	26.89	E	33	N	3.8	1.3	36	DODECANESE ISLANDS
22	00	40	10.5	35.718	N	27.246	E	114	D	4.0	1.1	66	DODECANESE ISLANDS
22	00	55	20.8*	20.953	S	68.197	W	163	*	4.3	1.0	29	CHILE-BOLIVIA BORDER REGION
22	01	22	28.2	6.943	S	155.281	E	71		4.7	0.9	37	SOLOMON ISLANDS
22	01	29	14.7*	35.657	N	139.995	E	90		3.8	1.2	17	NEAR S. COAST OF HONSHU, JAPAN
22	01	44	38.0	36.147	N	27.218	E	33	N	4.7 4.7	1.1	164	DODECANESE ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:44:42.7; Lat 36.11 N; Lon 26.91 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.55, Plg=9, Azm=125; (N) Val=0.05, Plg=7, Azm=34; (P) Val=-4.61, Plg=78, Azm=267; Best double couple: Mo=4.6*10**16 Nm; NP1: Strike=223, Dip=36, Slip=-78; NP2: Strike=29, Dip=55, Slip=-99.
22	02	20	35.9?	1.81	N	127.42	E	33	N	4.1	0.9	8	HALMAHERA, INDONESIA
22	02	41	05.2?	9.98	N	61.67	W	10	G		0.5	4	NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
22	03	21	53.7*	39.250	N	140.756	E	123	*	3.5	1.0	11	EASTERN HONSHU, JAPAN
22	04	03	56.9?	35.62	N	27.63	E	33	N	3.6	1.1	16	DODECANESE ISLANDS
22	04	04	49.4&	18.907	N	155.265	W	14				5	HAWAII. <HVO-P>. MD 4.0 (HVO).
22	04	05	16.3&	18.900	N	155.250	W	10	G	3.9		4	HAWAII. <SPEC>.
22	04	14	01.6?	37.03	N	141.24	E	10	G		0.3	5	NEAR EAST COAST OF HONSHU, JAPAN
22	04	17	58.7?	35.45	N	27.53	E	33	N	3.5	1.4	7	DODECANESE ISLANDS
22	04	28	24.9?	36.04	N	27.31	E	33	N	3.7	1.4	19	DODECANESE ISLANDS
22	04	54	03.3?	5.93	S	150.66	E	33	N	4.1	1.3	8	NEW BRITAIN REGION, P.N.G.

22	05	02	11.1	36.152	N	27.181	E	33	N	4.1	0.9	63	DODECANESE ISLANDS
22	05	10	39.6	36.167	N	27.343	E	33	N	4.0	1.5	43	DODECANESE ISLANDS
22	05	31	03.6*	51.761	N	179.268	W	33	N	3.8	1.1	9	ANDREANOF ISLANDS, ALEUTIAN IS.
22	05	38	32.8*	51.821	N	177.962	W	33	N	4.2	1.2	17	ANDREANOF ISLANDS, ALEUTIAN IS.
22	05	44	36.0	5.075	S	151.805	E	46	D	5.0	1.0	68	NEW BRITAIN REGION, P.N.G. Mw 5.4 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 05:44:42.6; Lat 5.29 S; Lon 152.08 E; Dep 43.1; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.19, Plg=67, Azm=11; (N) Val=0.00, Plg=15, Azm=241; (P) Val=-1.20, Plg=17, Azm=147; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=215, Dip=31, Slip=60; NP2: Strike=69, Dip=63, Slip=107.
22	06	00	27.4	36.192	N	27.340	E	33	N	3.9	1.4	20	DODECANESE ISLANDS
22	06	41	09.3?	51.38	N	179.51	W	33	N	3.7	1.4	6	ANDREANOF ISLANDS, ALEUTIAN IS.
22	07	41	32.0*	20.316	N	122.076	E	193	?	4.1	0.9	19	PHILIPPINE ISLANDS REGION
22	07	41	32.9&	18.900	N	155.250	W	10	G			2	HAWAII. <SPEC>.
22	08	22	02.2&	18.836	N	155.233	W	12		4.2		7	HAWAII. <HVO-P>. MD 3.7 (HVO).
22	08	23	41.2&	18.900	N	155.250	W	10	G			4	HAWAII. <SPEC>.
22	08	29	07.8	17.487	S	178.943	W	539	?	4.6	1.1	16	FIJI ISLANDS REGION
22	08	30	21.2	13.076	N	88.723	W	61	D	5.2	1.1	249	EL SALVADOR. Mw 5.6 (GS), 5.6 (HRV). Felt (V) at San Salvador.
													Moment Tensor (GS): Dep 35; Principal axes (scale 10**17 Nm): (T) Val=2.44, Plg=10, Azm=38; (N) Val=-0.06, Plg=5, Azm=129; (P) Val=-2.38, Plg=79, Azm=247; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=122, Dip=36, Slip=-99; NP2: Strike=313, Dip=55, Slip=-84.
													Centroid, Moment Tensor (HRV): Centroid origin time 08:30:24.1; Lat 12.85 N; Lon 89.24 W; Dep 65.5; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.07, Plg=14, Azm=33; (N) Val=0.01, Plg=1, Azm=303; (P) Val=-3.09, Plg=76, Azm=209; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=125, Dip=31, Slip=-88; NP2: Strike=302, Dip=59, Slip=-91.
22	08	31	00.7*	35.132	S	71.030	W	90	G	3.9	0.8	16	CENTRAL CHILE. MD 4.3 (SAN).
22	09	11	54.7*	1.031	N	120.366	E	33	N	5.1	1.0	30	MINAHASSA PENINSULA, SULAWESI
22	09	52	36.2&	43.797	N	8.292	E	10	G		0.3	8	CORSICA. ML 2.1 (GEN).
22	10	06	14.9&	34.204	N	105.711	W	10				25	NEW MEXICO. <SNM-P>. MD 3.4 (SNM). mbLg 3.5 (GS). Felt in the Corona area.
22	10	09	22.5	31.002	S	138.797	E	10	G	3.3	1.0	13	SOUTH AUSTRALIA
22	10	15	47.1&	38.755	N	122.725	W	2				63	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.3 (BRK), 3.2 (GS).
22	10	30	55.4*	24.119	S	66.890	W	198	?	3.3	1.1	12	SALTA PROVINCE, ARGENTINA
22	10	32	49.4*	36.601	N	71.445	E	150	G	3.3	0.7	8	AFGHANISTAN-TAJIKISTAN BORD REG.
22	10	33	48.5&	18.863	N	155.238	W	12				3	HAWAII. <HVO-P>. MD 3.7 (HVO).
22	10	38	16.6*	51.592	N	14.482	E	10	G		1.2	7	GERMANY
22	11	16	53.6&	18.884	N	155.247	W	13		4.0		27	HAWAII. <HVO-P>. MD 4.1 (HVO).
22	11	20	36.8	12.501	S	166.922	E	216	D	4.5	1.0	98	SANTA CRUZ ISLANDS
22	11	36	42.8*	24.583	N	142.834	E	33	N	4.3	1.2	25	VOLCANO ISLANDS REGION
22	12	31	23.7&	18.903	N	155.264	W	14				5	HAWAII. <HVO-P>. MD 3.7 (HVO).
22	12	34	35.6*	15.584	N	145.499	E	228		4.0	1.0	29	MARIANA ISLANDS
22	12	43	02.5?	34.98	S	71.13	W	90	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).
22	12	52	07.8&	65.156	N	148.438	W	20				25	NORTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
22	13	23	51.6&	60.965	N	151.519	W	71				66	KENAI PENINSULA, ALASKA. <AEIC>.
22	14	09	48.9&	18.911	N	155.198	W	33		4.2		5	HAWAII. <HVO-P>. MD 3.9 (HVO).
22	14	19	35.7	1.000	N	120.450	E	33	N	6.0 6.9	1.2	214	MINAHASSA PENINSULA, SULAWESI. Mw 7.0 (GS), 7.0 (HRV). Me 6.6 (GS). Ms 6.9 (BRK). Some damage (VIII) in the Tolitoli area. Felt (V) in the Palu area.
													Broadband Source Parameters (GS): Radiated energy 1.6*10**14 Nm. Complex earthquake, with at least two events about 6 seconds apart.
													Moment Tensor (GS): Dep 36; Principal axes (scale 10**19 Nm): (T) Val=3.01, Plg=41, Azm=194; (N) Val=0.32, Plg=33, Azm=70; (P) Val=-3.33, Plg=31, Azm=316; Best double couple: Mo=3.2*10**19 Nm; NP1: Strike=351, Dip=34, Slip=10; NP2: Strike=253, Dip=85, Slip=124.
													Centroid, Moment Tensor (HRV): Centroid origin time 14:19:48.1; Lat 1.34 N; Lon 120.65 E; Dep 28.2; Half-duration 7.1 sec; Principal axes (scale 10**19 Nm): (T) Val=3.54, Plg=57, Azm=183; (N) Val=0.13, Plg=6, Azm=83; (P) Val=-3.67, Plg=32, Azm=349; Best double couple: Mo=3.6*10**19 Nm; NP1: Strike=57, Dip=14, Slip=63; NP2: Strike=264, Dip=77, Slip=96.
													Scalar Moment (PPT): Mo=3.7*10**19 Nm.
22	14	31	05.1	1.036	N	120.459	E	33	N	5.6	1.1	80	MINAHASSA PENINSULA, SULAWESI
22	14	47	51.1*	3.945	S	129.773	E	33	N	4.0	1.4	10	SERAM, INDONESIA
22	14	50	58.2&	18.889	N	155.232	W	13		4.3		8	HAWAII. <HVO-P>. MD 4.0 (HVO).
22	14	56	04.2	16.788	S	173.458	W	33	N	5.0	0.9	51	TONGA ISLANDS
22	15	17	36.7&	18.890	N	155.255	W	13		3.8		8	HAWAII. <HVO-P>. MD 4.1 (HVO).
22	15	22	29.7&	63.236	N	151.162	W	7				11	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.9 (PMR).
22	15	49	07.7	5.756	N	95.245	E	33	N	5.0	1.3	63	NORTHERN SUMATERA, INDONESIA
22	15	52	56.4*	4.404	S	126.140	E	380	G	4.3	0.9	12	BANDA SEA
22	15	54	07.1	30.017	N	88.020	E	33	N	4.5	0.8	37	XIZANG
22	16	05	56.6	44.391	N	147.560	E	33	N	4.1	0.8	19	KURIL ISLANDS
22	16	13	49.8*	51.885	N	159.733	E	33	N	4.4	1.0	37	OFF EAST COAST OF KAMCHATKA
22	16	46	55.4&	18.859	N	155.236	W	12		3.9		16	HAWAII. <HVO-P>. MD 4.1 (HVO).
22	17	25	23.1&	18.932	N	155.260	W	24				5	HAWAII. <HVO-P>. MD 3.8 (HVO).
22	17	28	20.8&	18.837	N	155.229	W	12				3	HAWAII. <HVO-P>. MD 3.8 (HVO).
22	18	01	41.7*	50.331	N	175.753	W	33	N	4.0	1.3	19	ANDREANOF ISLANDS, ALEUTIAN IS.
22	18	04	00.9&	18.869	N	155.242	W	13				5	HAWAII. <HVO-P>. MD 3.7 (HVO).
22	18	45	21.4?	13.25	S	167.58	E	70	G	4.3	1.1	9	VANUATU ISLANDS
22	19	10	07.8&	18.833	N	155.229	W	12		3.9		17	HAWAII. <HVO-P>. MD 4.3 (HVO).
22	19	40	58.1	4.673	S	151.729	E	184		5.0	0.8	74	NEW BRITAIN REGION, P.N.G.
22	20	06	14.1?	15.05	N	120.04	E	33	N	4.1	1.2	10	LUZON, PHILIPPINE ISLANDS

22	20	54	58.6?	14.74	S	173.87	W	33	N	3.5	1.1	6	SAMOA ISLANDS REGION
22	20	56	08.3*	51.646	N	16.193	E	10	G		1.2	8	POLAND. ML 2.4 (CLL).
22	20	59	46.4*	28.367	N	142.641	E	33	N	4.3	1.4	26	BONIN ISLANDS REGION
22	21	07	27.7&	18.900	N	155.248	W	14		4.3		6	HAWAII. <HVO-P>. MD 4.1 (HVO).
22	21	19	48.7*	11.847	N	125.716	E	33	N	4.2	1.0	12	SAMAR, PHILIPPINE ISLANDS
22	21	31	53.0&	18.869	N	155.266	W	13		4.3		28	HAWAII. <HVO-P>. MD 4.5 (HVO).
22	22	10	01.2	18.271	S	169.299	W	33	N	4.3	0.8	14	TONGA ISLANDS REGION
22	22	31	39.9*	14.854	N	119.640	E	33	N	4.1	0.9	15	LUZON, PHILIPPINE ISLANDS
22	22	33	53.7*	17.774	N	100.757	W	113	?	3.7	1.3	13	GUERRERO, MEXICO
22	22	36	42.0&	18.900	N	155.250	W	10	G	4.0		19	HAWAII. <SPEC>.
22	23	00	57.7	51.680	N	16.126	E	10	G		0.9	13	POLAND. ML 3.2 (VIE).
22	23	11	38.3&	18.863	N	155.221	W	13				1	HAWAII. <HVO-P>. MD 3.7 (HVO).
23	00	10	44.9&	18.851	N	155.234	W	12				4	HAWAII. <HVO-P>. MD 3.9 (HVO).
23	00	11	40.9*	55.943	N	164.550	E	33	N	4.0	1.2	24	KOMANDORSKY ISLANDS REGION
23	00	48	59.4&	18.881	N	155.252	W	28		4.2		9	HAWAII. <HVO-P>. MD 4.2 (HVO).
23	01	19	59.9	44.453	N	74.030	W	5	G		0.9	19	NEW YORK. mbLg 2.6 (GS), 2.8 (OTT). Felt strongly at Vermontville. Also felt at Bloomingdale and Saranac Lake.
23	02	40	57.0?	24.32	S	176.17	W	33	N	4.3	1.1	16	SOUTH OF FIJI ISLANDS
23	02	50	30.1	45.983	N	6.021	E	5	G		1.0	67	FRANCE. ML 3.1 (LDG), 3.1 (STR).
23	03	05	26.0*	5.820	N	95.289	E	33	N	4.3	0.8	18	NORTHERN SUMATERA, INDONESIA
23	03	12	28.6&	18.848	N	155.233	W	12		4.1		16	HAWAII. <HVO-P>. MD 4.4 (HVO).
23	03	16	49.5*	5.667	N	95.196	E	33	N	4.3	0.8	17	NORTHERN SUMATERA, INDONESIA
23	03	32	12.6	26.753	S	177.199	W	33	N	5.8 6.4	1.1	208	SOUTH OF FIJI ISLANDS. Mw 6.5 (HRV), 6.3 (GS). Me 6.7 (GS). Ms 6.4 (BRK). Felt (III) on Raoul, Kermadec Islands. Broadband Source Parameters (GS): Radiated energy 2.6*10**14 Nm. Moment Tensor (GS): Dep 29; Principal axes (scale 10**18 Nm): (T) Val=3.17, Plg=16, Azm=165; (N) Val=-0.32, Plg=64, Azm=40; (P) Val=-2.85, Plg=20, Azm=261; Best double couple: Mo=3.0*10**18 Nm; NP1: Strike=303, Dip=64, Slip=-3; NP2: Strike=34, Dip=87, Slip=-154. Centroid, Moment Tensor (HRV): Centroid origin time 03:32:17.0; Lat 26.97 S; Lon 176.60 W; Dep 15.0 Fix; Half-duration 4.1 sec; Principal axes (scale 10**18 Nm): (T) Val=6.98, Plg=3, Azm=167; (N) Val=-2.10, Plg=67, Azm=70; (P) Val=-4.87, Plg=23, Azm=259; Best double couple: Mo=5.9*10**18 Nm; NP1: Strike=301, Dip=72, Slip=-15; NP2: Strike=35, Dip=76, Slip=-161. Scalar Moment (PPT): Mo=1.1*10**19 Nm.
23	03	34	46.0&	18.865	N	155.236	W	13		4.1		3	HAWAII. <HVO-P>. MD 4.2 (HVO).
23	03	39	40.1&	18.859	N	155.237	W	12				2	HAWAII. <HVO-P>. MD 3.9 (HVO).
23	04	08	40.9	45.996	N	6.007	E	10	G	4.4	0.8	91	FRANCE. ML 4.2 (LDG), 4.0 (VIE).
23	04	12	23.4&	18.842	N	155.227	W	12				2	HAWAII. <HVO-P>. MD 3.7 (HVO).
23	04	55	55.4&	18.854	N	155.235	W	12				3	HAWAII. <HVO-P>. MD 3.8 (HVO).
23	05	13	53.0&	18.886	N	155.235	W	13		3.9		13	HAWAII. <HVO-P>. MD 4.0 (HVO).
23	05	20	04.2	26.769	S	177.250	W	33	N	5.7 6.2	1.1	209	SOUTH OF FIJI ISLANDS. Mw 6.2 (HRV). Ms 6.1 (BRK). Felt (III) on Raoul, Kermadec Islands. Centroid, Moment Tensor (HRV): Centroid origin time 05:20:06.3; Lat 26.87 S; Lon 176.88 W; Dep 15.0; Half-duration 3.1 sec; Principal axes (scale 10**18 Nm): (T) Val=2.30, Plg=3, Azm=356; (N) Val=0.00, Plg=74, Azm=96; (P) Val=-2.31, Plg=16, Azm=265; Best double couple: Mo=2.3*10**18 Nm; NP1: Strike=42, Dip=77, Slip=-171; NP2: Strike=309, Dip=81, Slip=-13. Scalar Moment (PPT): Mo=5.1*10**18 Nm.
23	05	31	34.8	56.122	S	27.023	W	100	G	4.6	1.0	14	SOUTH SANDWICH ISLANDS REGION
23	06	38	15.6	26.647	S	177.162	W	33	N	5.2	1.1	81	SOUTH OF FIJI ISLANDS. Mw 5.9 (HRV). Felt (III) on Raoul, Kermadec Islands. Centroid, Moment Tensor (HRV): Centroid origin time 06:38:16.6; Lat 26.95 S; Lon 176.84 W; Dep 15.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.20, Plg=14, Azm=153; (N) Val=1.16, Plg=59, Azm=266; (P) Val=-7.37, Plg=27, Azm=56; Best double couple: Mo=6.8*10**17 Nm; NP1: Strike=197, Dip=61, Slip=-170; NP2: Strike=102, Dip=81, Slip=-30.
23	07	28	13.6	19.093	S	66.864	W	252		4.1	0.9	25	SOUTHERN BOLIVIA
23	07	40	22.2	45.944	N	6.090	E	10	G		1.4	18	FRANCE, ML 2.7 (LDG), 2.6 (STR).
23	08	50	07.5&	18.866	N	155.246	W	13		4.1		17	HAWAII. <HVO-P>. MD 4.1 (HVO).
23	09	41	37.1&	18.877	N	155.244	W	13		3.9		14	HAWAII. <HVO-P>. MD 4.2 (HVO).
23	09	58	02.1%	44.405	N	8.307	E	5	G		0.3	8	NORTHERN ITALY. ML 2.1 (GEN).
23	10	07	55.3*	47.517	N	13.415	E	10	G		0.5	5	AUSTRIA. ML 2.1 (VIE).
23	10	31	14.8*	42.899	N	0.215	W	10	G		1.5	6	PYRENEES. ML 2.3 (LDG).
23	10	46	47.1&	18.866	N	155.241	W	13		3.7		7	HAWAII. <HVO-P>. MD 4.1 (HVO).
23	11	13	26.6?	26.48	S	176.92	W	33	N	3.8	0.6	9	SOUTH OF FIJI ISLANDS
23	11	15	32.3&	18.897	N	155.233	W	13		4.1		20	HAWAII. <HVO-P>. MD 4.1 (HVO).
23	11	32	03.4&	18.914	N	155.258	W	28		3.8		8	HAWAII. <HVO-P>. MD 4.0 (HVO).
23	11	39	53.4?	43.86	N	6.80	E	10	G		0.5	8	NEAR SOUTH COAST OF FRANCE
23	11	56	35.9?	10.11	N	61.18	W	60	G		0.5	4	TRINIDAD. MD 2.6 (TRN).
23	12	00	08.6*	6.236	S	127.996	E	324	?	4.4	0.8	18	BANDA SEA
23	12	57	32.1&	18.811	N	155.217	W	11				2	HAWAII. <HVO-P>. MD 4.2 (HVO).
23	12	59	50.9&	18.838	N	155.219	W	12		4.3		13	HAWAII. <HVO-P>. MD 4.1 (HVO).
23	13	24	59.2&	18.881	N	155.258	W	7		4.6		59	HAWAII. <HVO-P>. MD 4.8 (HVO).
23	14	01	54.6&	35.000	N	116.949	W	6	G			28	CENTRAL CALIFORNIA. <PAS-P>. MD 2.3 (PAS). Precursor.
23	14	02	03.1&	35.001	N	116.949	W	6	G			2	CENTRAL CALIFORNIA. <PAS-P>. MD 3.2 (PAS). ML 3.2 (GS).
23	14	26	45.4?	6.64	S	128.15	E	334	?	4.3	0.9	10	BANDA SEA
23	14	29	07.5	43.991	N	7.083	E	10	G		0.8	14	NEAR SOUTH COAST OF FRANCE. ML 2.2 (GEN), 1.8 (LDG).
23	14	35	33.3?	3.11	N	126.12	E	33	N	4.0	0.8	7	TALAUD ISLANDS, INDONESIA
23	14	52	50.2	2.615	S	77.757	W	33	N	4.7	0.9	36	PERU-ECUADOR BORDER REGION. Felt throughout southern Ecuador.
23	15	17	57.7	36.580	N	27.207	E	33	N	4.4	1.0	56	DODECANESE ISLANDS
23	16	19	17.8*	47.157	N	11.486	E	10	G		0.4	5	AUSTRIA. ML 1.4 (VIE).
23	16	24	54.8%	43.941	N	8.010	E	5	G		0.8	7	CORSICA. ML 2.1 (LDG).
23	16	33	00.2%	45.936	N	6.214	E	10	G		0.6	6	FRANCE. ML 2.3 (LDG).
23	16	46	43.3*	36.171	N	27.547	E	33	N	3.7	1.2	10	DODECANESE ISLANDS

23	17	00	24.3?	10.28	N	61.29	W	60	G			0.8	4	TRINIDAD. MD 2.4 (TRN).
23	17	55	59.1	22.669	N	142.832	E	139	D	4.4		1.1	48	VOLCANO ISLANDS REGION
23	17	57	22.3?	22.81	S	114.31	W	33	N	3.8		1.0	8	EASTER ISLAND REGION
23	18	10	50.4?	17.54	S	177.51	W	400	G	3.9		0.6	14	FIJI ISLANDS REGION
23	18	24	59.2*	6.460	S	146.030	E	104	*	3.4		0.7	9	EASTERN NEW GUINEA REG., P.N.G.
23	18	31	20.3*	17.608	S	166.947	E	33	N	4.4		1.1	25	VANUATU ISLANDS
23	19	36	25.9?	2.39	N	129.24	E	33	N	4.2		1.4	9	HALMAHERA, INDONESIA
23	20	19	20.7?	17.53	S	178.97	W	550	G	4.3		0.6	10	FIJI ISLANDS REGION
23	20	24	43.7	44.228	N	10.817	E	10	G			1.2	15	NORTHERN ITALY. ML 2.8 (LDG).
23	20	30	45.3&	18.921	N	155.247	W	16					3	HAWAII. <HVO-P>. MD 3.8 (HVO).
23	21	51	37.6*	31.368	N	87.788	E	33	N	4.1		1.0	16	XIZANG
23	21	53	18.0*	32.073	N	88.319	E	33	N	4.0		1.0	8	XIZANG
23	22	02	10.8	36.179	N	27.270	E	43		4.5		1.2	115	DODECANESE ISLANDS
23	22	30	19.3	50.435	N	5.746	E	10	G			0.9	85	BELGIUM. ML 3.9 (UCC), 3.9 (VIE), 3.6 (CLL). Felt (IV) at Spa. Felt in the Aachen and Bonn areas, Germany. Also felt in the southwestern part of The Netherlands.
23	23	04	01.5?	33.94	S	71.95	W	33	N			0.5	7	NEAR COAST OF CENTRAL CHILE
23	23	09	34.3?	26.03	S	177.38	W	33	N	4.5		1.3	14	SOUTH OF FIJI ISLANDS
23	23	43	39.8*	19.295	S	169.028	E	119	D	5.3		1.2	47	VANUATU ISLANDS. Mw 5.2 (HRV). Felt at Port-Vila. Centroid, Moment Tensor (HRV): Centroid origin time 23:43:39.0; Lat 19.89 S; Lon 168.74 E; Dep 127.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.93, Plg=9, Azm=330; (N) Val=0.96, Plg=53, Azm=72; (P) Val=-7.89, Plg=36, Azm=234; Best double couple: Mo=7.4*10**16 Nm; NP1: Strike=18, Dip=59, Slip=-159; NP2: Strike=277, Dip=72, Slip=-33.
23	23	47	31.6&	18.912	N	155.259	W	30		4.0			9	HAWAII. <HVO-P>. MD 3.8 (HVO).
24	00	19	23.8	17.835	S	173.670	W	33	N	4.5		0.9	33	TONGA ISLANDS
24	00	25	20.0?	41.10	S	88.12	W	33	N	4.3		1.1	10	WEST CHILE RISE
24	00	43	22.0	36.600	N	27.318	E	33	N	4.7		1.0	83	DODECANESE ISLANDS
24	00	50	13.3	34.099	N	137.318	E	328		4.6		1.0	110	NEAR S. COAST OF HONSHU, JAPAN
24	00	56	38.6?	16.93	N	102.14	W	33	N			1.5	8	OFF COAST OF GUERRERO, MEXICO
24	01	18	42.4&	18.887	N	155.242	W	13		4.0			9	HAWAII. <HVO-P>. MD 4.0 (HVO).
24	01	50	37.9*	12.590	N	123.205	E	33	N	4.2		0.8	18	LUZON, PHILIPPINE ISLANDS
24	01	52	17.5*	64.263	N	17.993	W	10	G	3.7		1.3	11	ICELAND
24	02	52	22.6	49.268	S	116.756	E	10	G	4.7	5.1	1.1	61	SOUTH OF AUSTRALIA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:52:28.2; Lat 49.33 S; Lon 116.95 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=6.52, Plg=9, Azm=31; (N) Val=3.17, Plg=23, Azm=125; (P) Val=-9.69, Plg=65, Azm=281; Best double couple: Mo=8.1*10**16 Nm; NP1: Strike=96, Dip=41, Slip=-126; NP2: Strike=320, Dip=58, Slip=-63.
24	02	57	38.6&	18.879	N	155.234	W	13		3.9			9	HAWAII. <HVO-P>. MD 3.8 (HVO).
24	03	21	17.3	33.065	S	70.976	W	80		4.5		0.8	32	CHILE-ARGENTINA BORDER REGION. Felt (V) at La Ligua, Los Andes and Quillota; (III) at Santiago and Valparaiso, Chile.
24	03	24	32.3	31.104	N	68.580	E	10	G	4.8	4.8	1.0	76	PAKISTAN
24	03	33	04.7*	1.325	N	120.465	E	33	N	4.3		0.8	14	MINAHASSA PENINSULA, SULAWESI
24	03	45	05.2?	32.28	S	71.31	W	70	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 2.6 (SAN).
24	03	59	55.0&	64.638	N	146.908	W	7					51	CENTRAL ALASKA. <AEIC>. ML 3.8 (AEIC), 4.2 (PMR). Felt at Eielson AFB, North Pole and Salcha.
24	04	09	26.2	26.795	S	177.086	W	33	N	4.8	4.4	0.9	53	SOUTH OF FIJI ISLANDS
24	04	11	31.2*	51.070	N	15.871	E	10	G			0.8	7	POLAND. MG 2.8 (WAR).
24	05	02	20.1&	61.709	N	149.731	W	41					75	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.1 (PMR).
24	05	04	10.5&	18.900	N	155.250	W	10	G				4	HAWAII. <SPEC>.
24	05	26	34.3&	44.349	N	7.275	E	15	*			0.5	7	NORTHERN ITALY. ML 2.2 (GEN).
24	05	48	37.3&	18.905	N	155.259	W	33		4.2			8	HAWAII. <HVO-P>. MD 4.0 (HVO).
24	05	53	13.0?	6.10	S	104.09	E	33	N	4.4		0.1	8	SUNDA STRAIT
24	05	55	10.4	36.265	N	27.347	E	33	N	4.2		1.3	22	DODECANESE ISLANDS
24	06	11	36.1	51.241	N	178.053	W	33	N	4.5		1.3	44	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
24	06	12	22.9&	18.873	N	155.238	W	12					4	HAWAII. <HVO-P>. MD 4.3 (HVO).
24	06	24	39.4	45.888	N	6.039	E	10	G			0.9	10	FRANCE. ML 2.5 (STR).
24	06	25	25.3?	52.52	N	168.67	W	33	N	4.0		1.4	12	FOX ISLANDS, ALEUTIAN ISLANDS
24	07	27	47.6&	33.914	N	116.342	W	5					21	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.9 (PAS).
24	07	46	55.6	51.076	N	157.183	E	33	N	4.5		0.7	36	NEAR EAST COAST OF KAMCHATKA
24	08	02	52.2	36.574	N	27.250	E	33	N	4.5		1.2	58	DODECANESE ISLANDS
24	08	03	12.3&	36.014	N	117.814	W	2					9	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 2.9 (PAS).
24	08	51	53.1&	18.900	N	155.250	W	10	G	4.0			6	HAWAII. <SPEC>.
24	08	52	33.7*	51.452	N	16.267	E	10	G			0.5	6	POLAND. MG 3.0 (WAR).
24	10	24	17.4&	35.684	N	117.602	W	6					6	CENTRAL CALIFORNIA. <PAS-P>. MD 2.8 (PAS).
24	10	54	04.9&	18.838	N	155.233	W	12		4.1			10	HAWAII. <HVO-P>. Precursor.
24	10	54	21.4&	18.900	N	155.250	W	10	G	4.4			19	HAWAII. <SPEC>.
24	10	55	34.3&	18.900	N	155.250	W	10	G	4.3			12	HAWAII. <SPEC>.
24	11	34	18.3?	14.66	S	172.95	W	33	N	4.7		0.5	14	SAMOA ISLANDS
24	12	45	34.6*	34.055	N	139.450	E	10	G			0.5	7	NEAR S. COAST OF HONSHU, JAPAN
24	12	47	41.9	34.325	N	139.174	E	33	N	3.5		1.0	16	NEAR S. COAST OF HONSHU, JAPAN
24	13	39	25.8*	31.322	N	87.608	E	33	N	4.2		1.2	12	XIZANG
24	13	51	02.8&	18.884	N	155.226	W	16		4.3			5	HAWAII. <HVO-P>. MD 4.1 (HVO).
24	16	11	55.4	4.527	S	101.883	E	33	N	4.7	4.8	1.0	37	SOUTHERN SUMATERA, INDONESIA
24	16	47	16.2&	61.492	N	150.677	W	58		4.2			135	SOUTHERN ALASKA. <AEIC>. ML 4.3 (AEIC), 4.4 (PMR). Felt (IV) at Anchorage and Eagle River; (III) at Butte and Palmer.
24	16	52	48.7&	18.871	N	155.233	W	13		4.1			7	HAWAII. <HVO-P>. MD 4.0 (HVO).
24	17	23	56.3	35.998	N	68.760	E	33	N	5.1	5.5	1.3	127	HINDU KUSH REGION, AFGHANISTAN. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:23:58.5; Lat 36.08 N; Lon 68.19 E; Dep 35.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.31, Plg=81, Azm=187; (N) Val=-0.88, Plg=8, Azm=36; (P) Val=-3.44, Plg=4, Azm=305; Best double couple: Mo=3.9*10**16 Nm; NP1: Strike=27, Dip=41, Slip=78; NP2: Strike=223, Dip=50, Slip=101.
24	17	38	49.4&	18.861	N	155.246	W	13		4.6			57	HAWAII. <HVO-P>. MD 4.8 (HVO).
24	17	39	23.5?	5.36	S	146.08	E	134	*	4.3		1.3	16	EASTERN NEW GUINEA REG., P.N.G.
24	18	05	58.9&	60.786	N	152.311	W	101					49	SOUTHERN ALASKA. <AEIC>.

24	18	11	14.6*	28.457	N	113.202	W	10	G	4.2		1.0	10	BAJA CALIFORNIA, MEXICO
24	18	20	21.3?	24.72	S	179.97	E	480	G	3.9		1.0	12	SOUTH OF FIJI ISLANDS
24	18	30	00.5*	21.743	N	143.074	E	250	G	3.8		0.5	10	MARIANA ISLANDS REGION
24	19	21	15.8?	7.06	S	129.30	E	173	?	4.1		1.4	14	BANDA SEA
24	20	15	44.7	41.784	N	125.911	W	10	G	5.4	5.4	1.2	175	OFF COAST OF NORTHERN CALIFORNIA. Mw 5.9 (GS), 5.7 (HRV), 5.6 (BRK). Me 6.2 (GS). ML 5.3 (BRK). MD 4.9 (GM). Broadband Source Parameters (GS): Dep 6; NP1: Strike=330, Dip=88, Slip=-168; NP2: Strike=240, Dip=78, Slip=-2; Radiated energy 4.0*10**13 Nm. Moment Tensor (GS): Dep 26; Principal axes (scale 10**17 Nm): (T) Val=7.86, Plg=6, Azm=95; (N) Val=0.51, Plg=83, Azm=258; (P) Val=-8.37, Plg=2, Azm=4; Best double couple: Mo=8.1*10**17 Nm; NP1: Strike=139, Dip=84, Slip=177; NP2: Strike=230, Dip=87, Slip=6. Centroid, Moment Tensor (HRV): Centroid origin time 20:15:47.6; Lat 41.81 N; Lon 126.03 W; Dep 15.0 Fix; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=3.98, Plg=9, Azm=281; (N) Val=0.20, Plg=75, Azm=49; (P) Val=-4.18, Plg=11, Azm=189; Best double couple: Mo=4.1*10**17 Nm; NP1: Strike=325, Dip=75, Slip=-179; NP2: Strike=234, Dip=89, Slip=-15. Scalar Moment (BRK): Mo=2.8*10**17 Nm. Scalar Moment (PPT): Mo=6.8*10**17 Nm.
24	20	49	08.7*	4.411	N	96.258	E	126	?	4.0		1.1	18	NORTHERN SUMATERA, INDONESIA
24	21	00	33.4	15.141	S	173.493	W	33	N	5.3	5.2	0.9	124	TONGA ISLANDS. Mw 5.3 (HRV). Felt (II) at Apia, Western Samoa. Centroid, Moment Tensor (HRV): Centroid origin time 21:00:39.3; Lat 15.26 S; Lon 173.11 W; Dep 63.5; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.22, Plg=41, Azm=183; (N) Val=-0.34, Plg=32, Azm=306; (P) Val=-0.88, Plg=33, Azm=60; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=206, Dip=33, Slip=172; NP2: Strike=303, Dip=85, Slip=57.
24	21	27	07.5&	19.003	N	155.310	W	13					1	HAWAII. <HVO-P>. MD 3.7 (HVO).
24	21	41	42.1	41.890	N	126.044	W	10	G	4.1		1.1	52	OFF COAST OF NORTHERN CALIFORNIA. ML 4.0 (BRK), 3.5 (GS). MD 3.9 (GM).
24	21	43	09.2?	41.97	N	126.10	W	10	G	3.8		0.8	7	OFF COAST OF NORTHERN CALIFORNIA
24	21	44	11.7*	25.984	N	99.093	E	33	N	4.2		1.1	17	YUNNAN, CHINA
24	22	33	10.1	37.388	N	2.300	W	10	G			1.0	23	SPAIN. mbLg 3.7 (MDD). Felt (III) in the Olula del Rio area.
24	23	16	47.0	51.653	N	16.182	E	10	G			0.5	13	POLAND. ML 2.6 (CLL).
24	23	38	16.8&	59.905	N	153.400	W	125					76	SOUTHERN ALASKA. <AEIC>.
24	23	43	06.6?	2.36	S	140.19	E	33	N	4.1		1.3	13	NEAR NORTH COAST OF IRIAN JAYA
24	23	53	22.4	51.701	N	177.124	W	55	D	5.1		0.9	107	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.1 (HRV). ML 5.0 (PMR). Felt (IV) on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 23:53:21.4; Lat 51.40 N; Lon 176.56 W; Dep 60.4; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.32, Plg=69, Azm=326; (N) Val=0.60, Plg=5, Azm=224; (P) Val=-4.92, Plg=21, Azm=132; Best double couple: Mo=4.6*10**16 Nm; NP1: Strike=213, Dip=25, Slip=79; NP2: Strike=46, Dip=66, Slip=95.
25	01	26	44.1	36.318	N	27.400	E	33	N	3.8		0.7	20	DODECANESE ISLANDS
25	01	26	45.1?	17.52	S	178.43	W	580	G	4.6		0.8	12	FIJI ISLANDS REGION
25	01	27	55.5&	45.069	N	8.243	E	10	G			1.1	9	NORTHERN ITALY. ML 2.1 (GEN).
25	01	46	55.6&	18.909	N	155.256	W	14		3.9			6	HAWAII. <HVO-P>. MD 3.8 (HVO).
25	02	43	26.7?	0.07	S	121.92	E	273	D	4.5		0.9	16	MINAHASSA PENINSULA, SULAWESI
25	02	45	20.6&	18.876	N	155.248	W	1					2	HAWAII. <HVO-P>. MD 4.1 (HVO).
25	02	58	08.8&	18.903	N	155.278	W	26					2	HAWAII. <HVO-P>. MD 3.8 (HVO).
25	03	12	33.5	51.867	N	159.775	E	38	D	4.6	4.1	0.9	50	OFF EAST COAST OF KAMCHATKA
25	03	30	49.3	51.872	N	160.010	E	41	D	5.1	5.0	1.0	167	OFF EAST COAST OF KAMCHATKA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:30:50.5; Lat 51.73 N; Lon 160.46 E; Dep 26.1; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.34, Plg=61, Azm=342; (N) Val=0.02, Plg=14, Azm=225; (P) Val=-1.36, Plg=25, Azm=128; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=190, Dip=24, Slip=53; NP2: Strike=50, Dip=71, Slip=105.
25	04	13	48.4&	18.960	N	155.270	W	22					2	HAWAII: <HVO-P>. MD 3.9 (HVO).
25	04	14	03.9&	18.900	N	155.250	W	10	G	4.2			6	HAWAII. <SPEC>.
25	04	57	51.4	22.421	S	68.406	W	85	*	4.4		0.7	29	NORTHERN CHILE. Felt at Calama, Chiuchiu and Chuquicamata.
25	05	33	56.3*	17.469	S	178.850	W	514	?	4.5		0.6	47	FIJI ISLANDS REGION
25	07	04	37.9*	5.452	S	147.055	E	200		4.4		1.3	13	EASTERN NEW GUINEA REG., P.N.G.
25	07	53	01.1*	51.839	N	159.906	E	33	N	4.2		0.8	20	OFF EAST COAST OF KAMCHATKA
25	09	30	18.5	50.465	N	177.247	E	33	N	4.4		0.8	39	RAT ISLANDS, ALEUTIAN ISLANDS
25	09	46	09.9*	16.080	S	173.658	W	33	N	4.4		0.5	11	TONGA ISLANDS
25	10	45	13.1*	41.907	N	142.274	E	33	N	3.9		1.4	8	HOKKAIDO, JAPAN REGION
25	10	58	33.3&	16.824	N	98.221	W	33	N			1.2	8	NEAR COAST OF GUERRERO, MEXICO
25	12	03	58.0	44.370	N	7.373	E	13	*			0.3	9	NORTHERN ITALY. ML 2.3 (GEN).
25	12	49	37.0*	50.149	S	113.538	W	10	G	5.1	5.7	1.2	41	SOUTHERN EAST PACIFIC RISE. Mw 6.1 (HRV), 6.0 (GS). Ms 5.9 (BRK). Moment Tensor (GS): Dep 14; Principal axes (scale 10**18 Nm): (T) Val=1.09, Plg=9, Azm=144; (N) Val=0.00, Plg=76, Azm=276; (P) Val=-1.09, Plg=10, Azm=53; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=189, Dip=76, Slip=-179; NP2: Strike=99, Dip=89, Slip=-14. Centroid, Moment Tensor (HRV): Centroid origin time 12:49:47.4; Lat 50.11 S; Lon 114.17 W; Dep 15.0 Fix; Half-duration 2.5 sec; Principal axes (scale 10**18 Nm): (T) Val=1.40, Plg=5, Azm=324; (N) Val=-0.04, Plg=83, Azm=197; (P) Val=-1.36, Plg=6, Azm=55; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=99, Dip=83, Slip=-1; NP2: Strike=189, Dip=89, Slip=-173. Scalar Moment (PPT): Mo=3.3*10**18 Nm.

25	14	40	51.2?	36.62	N	139.49	E	10	G			1.2	4	EASTERN HONSHU, JAPAN
25	15	11	30.6&	61.348	N	150.728	W	36					72	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.5 (PMR).
25	15	20	15.5&	44.583	N	7.321	E	10	G			1.3	12	NORTHERN ITALY. ML 2.5 (GEN).
25	15	38	56.9&	44.549	N	7.306	E	10	G			0.4	7	NORTHERN ITALY. ML 2.0 (GEN).
25	15	58	48.9&	60.903	N	151.548	W	72					76	KENAI PENINSULA, ALASKA. <AEIC>.
25	16	14	31.3*	46.450	N	11.884	E	10	G			0.6	6	NORTHERN ITALY. ML 2.1 (VIE).
25	16	15	22.3?	3.19	S	138.86	E	33	N	3.9		1.1	6	IRIAN JAYA, INDONESIA
25	16	23	31.4*	2.680	S	139.040	E	33	N	4.4		1.3	15	NEAR NORTH COAST OF IRIAN JAYA
25	17	03	41.0?	50.05	S	114.17	W	10	G	4.0	4.6	1.2	9	SOUTHERN EAST PACIFIC RISE
25	17	08	49.5*	13.779	N	145.127	E	128		4.1		1.1	25	MARIANA ISLANDS. Felt (IV) in the Agat-Santa Rita area, Guam.
25	17	58	41.8?	34.72	S	70.62	W	110	G			0.9	10	CHILE-ARGENTINA BORDER REGION. MD 2.3 (SAN).
25	18	05	02.2*	46.725	S	33.503	E	10	G	4.2		0.9	7	PRINCE EDWARD ISLANDS REGION
25	18	52	24.7	59.053	S	25.648	W	33	N	4.3		0.7	14	SOUTH SANDWICH ISLANDS REGION
25	19	08	38.1	16.622	N	98.461	W	33	N	4.3		0.9	21	NEAR COAST OF GUERRERO, MEXICO
25	19	48	21.1*	16.332	N	98.467	W	33	N			1.3	7	NEAR COAST OF GUERRERO, MEXICO
25	19	49	40.4?	34.97	S	71.40	W	80	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 2.9 (SAN).
25	20	45	54.1*	37.398	N	49.319	E	33	N	4.0		0.7	15	CASPIAN SEA
25	20	54	38.6&	61.338	N	150.687	W	41		3.7			94	SOUTHERN ALASKA. <AEIC>. ML 3.8 (AEIC), 3.8 (PMR). Felt (III) at Anchorage and Palmer.
25	21	25	57.5	46.010	N	13.560	E	10	G			1.1	18	AUSTRIA. ML 3.5 (VIE), 3.4 (GRF), 3.3 (FUR). Felt (V) at Anhovo and Dobrovo, Slovenia.
25	22	29	15.9&	37.300	N	98.500	W	5	G				4	KANSAS. <MACRO>. mbLg 2.2 (GS), 2.2 (TUL). Felt in the Medicine Lodge area.
25	23	15	44.0&	63.462	N	151.357	W	13					63	CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC), 3.7 (PMR).
25	23	23	11.7*	49.290	S	116.838	E	10	G	4.5		0.8	24	SOUTH OF AUSTRALIA
25	23	42	59.7*	60.999	S	23.987	W	33	N	4.3		0.5	12	SOUTH SANDWICH ISLANDS REGION
26	00	43	26.5	25.685	N	128.708	E	33	N	4.8		1.1	39	RYUKYU ISLANDS
26	01	01	05.3	64.366	N	137.949	W	10	G			0.8	32	SOUTHERN YUKON TERRITORY, CANADA. ML 3.5 (AEIC).
26	03	51	18.4?	2.11	S	138.85	E	33	N	4.3		1.3	9	IRIAN JAYA, INDONESIA
26	05	21	17.8	36.116	N	27.334	E	33	N	4.0		1.2	29	DODECANESE ISLANDS
26	07	06	16.6*	6.797	S	155.680	E	33	N	4.2		1.2	16	SOLOMON ISLANDS
26	08	39	27.1*	0.921	N	120.204	E	33	N	4.8		1.0	25	MINAHASSA PENINSULA, SULAWESI
26	10	14	56.8*	45.988	N	10.896	E	13				1.0	8	NORTHERN ITALY. ML 2.9 (VIE).
26	12	19	38.4&	18.881	N	155.256	W	13					1	HAWAII. <HVO-P>. MD 3.7 (HVO).
26	12	47	34.8*	23.818	N	90.992	E	33	N	3.9		0.4	7	BANGLADESH
26	12	52	37.6	36.725	N	116.269	W	5	G			0.5	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (GS).
26	12	53	40.7*	5.373	N	77.690	W	73	?	4.1		1.2	15	NEAR WEST COAST OF COLOMBIA
26	12	59	29.8*	26.965	S	177.010	W	33	N	4.5		1.2	22	SOUTH OF FIJI ISLANDS
26	13	03	30.7*	51.200	N	15.714	E	10	G			1.4	12	POLAND. ML 3.1 (CLL), 3.1 (MOX).
26	13	09	05.4	25.169	N	96.253	E	33	N	5.1	4.8	0.8	120	MYANMAR. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:09:09.6; Lat 24.68 N; Lon 96.53 E; Dep 67.6; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.22, Plg=22, Azm=315; (N) Val=-0.04, Plg=67, Azm=154; (P) Val=-1.19, Plg=7, Azm=48; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=93, Dip=70, Slip=11; NP2: Strike=359, Dip=80, Slip=159.
26	13	24	48.3&	18.886	N	155.260	W	13		4.2			11	HAWAII. <HVO-P>. MD 4.3 (HVO).
26	14	14	09.9*	27.695	N	66.982	E	33	N	4.0		1.1	17	PAKISTAN
26	14	29	50.7?	5.94	N	77.07	W	33	N	3.9		1.4	8	NEAR WEST COAST OF COLOMBIA
26	14	40	41.9*	36.146	N	139.886	E	33	N			0.7	5	EASTERN HONSHU, JAPAN
26	14	47	51.5*	24.099	S	179.732	W	500	G	4.4		1.0	27	SOUTH OF FIJI ISLANDS
26	15	10	20.1&	36.604	N	3.067	W	10	G			0.9	10	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
26	15	11	34.8&	36.380	N	3.149	W	25				0.8	10	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
26	15	14	06.8*	6.566	S	29.421	E	10	G	4.2		1.1	14	LAKE TANGANYIKA REGION
26	17	44	08.7?	50.01	S	115.84	E	10	G	4.3		1.0	12	SOUTH OF AUSTRALIA
26	17	45	52.1*	17.991	N	67.729	W	33	N			0.5	6	MONA PASSAGE
26	18	02	29.0&	60.771	N	147.272	W	15					61	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
26	18	15	08.2	51.120	N	179.212	W	33	N	4.5		0.8	46	ANDREANOF ISLANDS, ALEUTIAN IS.
26	18	55	50.4	40.081	N	20.655	E	11		5.2	5.2	1.2	199	GREECE-ALBANIA BORDER REGION. Mw 5.3 (HRV). ML 4.8 (ROM). Felt in the Ioannina area, Greece. Also felt (IV) at Bitola, Ohrid and Resen, former Yugoslav Republic of Macedonia. Centroid, Moment Tensor (HRV): Centroid origin time 18:55:55.8; Lat 39.92 N; Lon 20.77 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=0.91, Plg=9, Azm=117; (N) Val=0.14, Plg=6, Azm=26; (P) Val=-1.05, Plg=79, Azm=262; Best double couple: Mo=9.8*10**16 Nm; NP1: Strike=215, Dip=36, Slip=-79; NP2: Strike=22, Dip=54, Slip=-98.
26	19	29	12.4*	7.642	S	119.462	E	341	?	4.1		0.7	9	FLORES SEA
26	19	34	07.5	0.981	N	120.586	E	33	N	4.9		1.1	40	MINAHASSA PENINSULA, SULAWESI
26	20	27	56.7*	51.397	N	176.324	W	33	N	4.1		1.4	10	ANDREANOF ISLANDS, ALEUTIAN IS.
26	21	31	25.1*	1.059	N	120.121	E	33	N	4.7		0.9	22	MINAHASSA PENINSULA, SULAWESI
26	21	38	15.0*	0.513	N	120.527	E	33	N	4.2		0.9	9	MINAHASSA PENINSULA, SULAWESI
26	21	56	12.5?	0.51	N	120.80	E	33	N	4.1		0.5	11	MINAHASSA PENINSULA, SULAWESI
26	21	59	29.3*	52.832	N	142.867	E	33	N	3.7		1.2	8	SAKHALIN ISLAND
26	22	00	33.0*	47.627	N	154.113	E	33	N	4.5	4.2	1.1	28	KURIL ISLANDS
26	22	02	31.8&	18.881	N	155.256	W	13					1	HAWAII. <HVO-P>. MD 4.0 (HVO).
26	22	18	34.6?	16.97	S	178.81	W	400	G	3.9		0.7	10	FIJI ISLANDS REGION
26	22	23	58.2?	49.35	N	153.99	E	33	N	3.6		0.9	7	KURIL ISLANDS
26	22	46	03.1*	51.075	N	176.183	W	33	N	4.2		0.9	20	ANDREANOF ISLANDS, ALEUTIAN IS.
26	23	01	17.6&	36.531	N	3.084	W	10	G			0.8	9	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
26	23	36	17.4?	10.05	S	123.53	E	120	G	4.1		1.1	9	TIMOR REGION, INDONESIA
26	23	59	47.5&	18.940	N	155.269	W	24		4.0			9	HAWAII. <HVO-P>. MD 4.3 (HVO).
27	00	26	41.9*	24.660	N	121.995	E	48	?	4.3		1.4	22	TAIWAN. Felt (III JMA) at Nan-ao and (II JMA) at I-lan, Su-ao and Taipei.
27	00	27	40.8	35.790	N	27.619	E	33	N	3.2		1.2	16	DODECANESE ISLANDS
27	00	36	57.1*	5.925	N	77.801	W	10	G	4.7	4.2	1.4	36	NEAR WEST COAST OF COLOMBIA
27	00	52	00.7	35.929	N	27.275	E	33	N	3.7		1.0	18	DODECANESE ISLANDS
27	02	49	49.6	32.066	N	131.536	E	69		4.1		1.2	28	KYUSHU, JAPAN
27	02	56	22.4	36.059	N	27.215	E	33	N	3.3		1.2	11	DODECANESE ISLANDS
27	03	01	03.1*	33.511	S	69.980	W	10	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).

27	03	03	58.3	50.483	N	18.966	E	10	G			1.1	10	POLAND. MG 3.0 (WAR).
27	03	33	22.8&	18.846	N	155.242	W	12					2	HAWAII. <HVO-P>. MD 3.7 (HVO).
27	04	05	41.6&	18.888	N	155.265	W	13		4.3			21	HAWAII. <HVO-P>. MD 4.3 (HVO).
27	04	27	37.6&	18.903	N	155.257	W	14		4.1			7	HAWAII. <HVO-P>. MD 3.9 (HVO).
27	05	16	12.9?	23.92	S	179.95	W	500	G	4.1		0.9	9	SOUTH OF FIJI ISLANDS
27	05	50	30.0&	18.889	N	155.249	W	13					2	HAWAII. <HVO-P>. MD 3.9 (HVO).
27	07	10	48.4*	11.004	S	162.340	E	79	D	4.4		1.0	30	SOLOMON ISLANDS
27	08	05	38.4&	18.874	N	155.248	W	13		4.1			17	HAWAII. <HVO-P>. MD 4.2 (HVO).
27	08	16	46.8	18.208	N	87.433	E	33	N	4.7		1.2	31	BAY OF BENGAL
27	08	24	51.1*	12.432	N	124.854	E	33	N	4.3		0.8	20	SAMAR, PHILIPPINE ISLANDS
27	08	45	18.4	21.307	N	94.804	E	110	D	5.0		0.8	158	MYANMAR. Mw 5.2 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 08:45:19.9; Lat 20.80 N; Lon 94.85 E; Dep 128.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.67, Plg=43, Azm=59; (N) Val=0.26, Plg=47, Azm=241; (P) Val=-7.93, Plg=1, Azm=150; Best double couple: Mo=7.8*10**16 Nm; NP1: Strike=204, Dip=60, Slip=33; NP2: Strike=96, Dip=62, Slip=146.
27	08	48	01.7&	61.740	N	151.680	W	93					91	SOUTHERN ALASKA. <AEIC>.
27	09	41	00.4%	36.481	N	2.870	W	10	G			1.2	12	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
27	09	54	54.2*	20.982	N	122.515	E	200	G	4.0		0.3	10	PHILIPPINE ISLANDS REGION
27	10	09	25.9&	18.848	N	155.223	W	12		4.1			11	HAWAII. <HVO-P>. MD 4.0 (HVO).
27	10	10	50.9	38.300	N	22.303	E	27	*	4.1		1.1	50	GREECE
27	10	25	46.4&	18.871	N	155.229	W	13		3.8			9	HAWAII. <HVO-P>. MD 4.4 (HVO).
27	11	17	57.3&	61.450	N	149.990	W	36		3.6			89	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC).
27	11	40	02.8	28.655	S	177.465	W	48	D	5.6	5.5	1.0	198	KERMADEC ISLANDS REGION. Mw 5.9 (HRV). Ms 5.6 (BRK). Felt (III) on Raoul.
														Centroid, Moment Tensor (HRV): Centroid origin time 11:40:07.6; Lat 28.58 S; Lon 177.04 W; Dep 50.9; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=6.88, Plg=76, Azm=294; (N) Val=1.80, Plg=3, Azm=191; (P) Val=-8.68, Plg=13, Azm=100; Best double couple: Mo=7.8*10**17 Nm; NP1: Strike=186, Dip=32, Slip=84; NP2: Strike=13, Dip=58, Slip=94.
														Scalar Moment (PPT): Mo=7.9*10**17 Nm.
27	11	52	58.1?	36.19	N	48.55	E	33	N	3.8		1.2	12	NORTHWESTERN IRAN
27	11	59	04.9&	18.900	N	155.250	W	10	G	4.1			4	HAWAII. <SPEC>.
27	12	03	26.1&	18.924	N	155.279	W	29		3.7			3	HAWAII. <HVO-P>. MD 3.9 (HVO).
27	12	17	44.3&	18.852	N	155.239	W	12		3.6			4	HAWAII. <HVO-P>. MD 3.9 (HVO).
27	12	39	51.5%	36.559	N	2.806	W	10	G			0.8	13	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
27	12	59	17.7%	36.541	N	2.821	W	10	G			0.9	8	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
27	12	59	19.3%	44.412	N	7.317	E	10	G			0.4	9	NORTHERN ITALY. ML 2.2 (GEN).
27	13	10	29.8*	18.271	S	175.130	W	194	*	4.7		1.0	30	TONGA ISLANDS
27	13	35	36.4&	35.654	N	119.585	W	28					69	CENTRAL CALIFORNIA. <GM-P>. MD 3.4 (GM), 3.2 (PAS).
27	14	03	17.5	30.600	N	137.659	E	481		4.3		1.0	35	SOUTH OF HONSHU, JAPAN
27	14	40	52.4%	36.545	N	2.840	W	10	G			0.4	8	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
27	15	48	54.7*	41.181	N	72.628	E	33	N	3.7		1.1	13	KYRGYZSTAN
27	15	50	03.8*	27.794	S	176.428	W	33	N	4.5		1.0	26	KERMADEC ISLANDS REGION
27	16	12	19.5*	53.111	N	142.686	E	33	N	3.8		0.3	8	SAKHALIN ISLAND
27	16	23	14.7?	44.60	N	147.39	E	89	?	4.2		0.7	11	KURIL ISLANDS
27	16	31	54.9&	63.340	N	151.260	W	13					73	CENTRAL ALASKA. <AEIC>. ML 3.5 (AEIC).
27	16	36	22.5&	63.330	N	151.270	W	11					62	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC).
27	16	41	34.6*	36.098	N	27.407	E	33	N	3.8		1.4	17	DODECANESE ISLANDS
27	16	54	51.6&	63.316	N	151.265	W	7					78	CENTRAL ALASKA. <AEIC>. ML 3.5 (AEIC).
27	17	20	21.9?	1.18	S	127.55	E	33	N	4.5		1.5	13	HALMAHERA, INDONESIA
27	18	10	16.3%	44.009	N	7.205	E	10	G			0.6	9	NORTHERN ITALY. ML 2.4 (GEN).
27	18	35	34.1?	36.00	N	27.79	E	33	N	3.7		1.4	7	DODECANESE ISLANDS
27	19	13	52.3&	61.710	N	149.660	W	39					46	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
27	19	33	01.0&	61.010	N	150.150	W	34					57	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
27	20	04	24.6*	1.247	N	120.477	E	33	N	4.8		1.2	28	MINAHASSA PENINSULA, SULAWESI
27	20	16	01.3&	59.980	N	152.510	W	89					42	SOUTHERN ALASKA. <AEIC>.
27	20	18	39.2*	36.315	N	71.059	E	250	G	3.5		0.4	8	AFGHANISTAN-TAJIKISTAN BORD REG.
27	20	29	47.7&	18.937	N	155.257	W	14					1	HAWAII. <HVO-P>. MD 3.8 (HVO).
27	20	51	42.8?	44.58	N	7.23	E	10	G			0.2	4	NORTHERN ITALY. ML 1.8 (GEN).
27	21	08	27.2*	5.276	N	126.004	E	33	N	4.4		0.9	16	MINDANAO, PHILIPPINE ISLANDS
27	21	33	42.9&	59.882	N	153.195	W	126					13	SOUTHERN ALASKA. <AEIC>.
27	21	36	40.2&	18.875	N	155.249	W	13					1	HAWAII. <HVO-P>. MD 3.7 (HVO).
27	22	02	12.8&	18.858	N	155.258	W	14		4.4			28	HAWAII. <HVO-P>. MD 4.5 (HVO).
27	22	10	05.6&	18.848	N	155.235	W	12					2	HAWAII. <HVO-P>. MD 4.3 (HVO).
27	22	18	26.4&	18.875	N	155.236	W	13		4.0			11	HAWAII. <HVO-P>. MD 4.0 (HVO).
27	22	25	05.3*	27.018	S	177.088	W	95	?	4.4		0.9	11	KERMADEC ISLANDS REGION
27	22	29	35.4	51.687	N	16.105	E	10	G			0.8	11	POLAND. ML 2.7 (MOX), 2.5 (CLL).
27	22	34	07.2	1.170	N	120.559	E	33	N	5.3	5.0	1.1	56	MINAHASSA PENINSULA, SULAWESI. Mw 5.4 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 22:34:12.3; Lat 1.59 N; Lon 120.55 E; Dep 42.7; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.28, Plg=66, Azm=202; (N) Val=0.34, Plg=9, Azm=91; (P) Val=-1.63, Plg=22, Azm=357; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=70, Dip=25, Slip=68; NP2: Strike=274, Dip=67, Slip=100.
27	23	02	57.2?	35.08	S	71.31	W	100	G			0.3	10	CENTRAL CHILE. MD 3.4 (SAN).
27	23	16	17.0	37.428	N	141.650	E	33	N			0.7	6	NEAR EAST COAST OF HONSHU, JAPAN
27	23	30	07.9?	37.72	N	139.59	E	145	?	3.5		0.9	10	EASTERN HONSHU, JAPAN
27	23	50	05.3*	37.489	N	20.912	E	10	G	3.8		1.1	22	IONIAN SEA
27	23	59	11.0&	18.866	N	155.222	W	12					4	HAWAII. <HVO-P>. MD 3.7 (HVO).
28	00	00	10.5&	59.930	N	153.000	W	107					57	SOUTHERN ALASKA. <AEIC>.
28	00	12	38.6%	33.228	S	71.488	W	40	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
28	00	40	24.8	21.227	N	120.123	E	33	N	4.2		0.8	21	TAIWAN REGION
28	01	02	09.7	36.083	N	27.276	E	33	N	4.1		1.3	63	DODECANESE ISLANDS
28	01	10	38.5&	18.920	N	155.263	W	17					2	HAWAII. <HVO-P>. MD 3.8 (HVO).
28	01	12	03.8	39.978	N	20.731	E	10	G	4.0		1.3	35	GREECE-ALBANIA BORDER REGION. ML 3.8 (ROM).
28	01	14	39.9	43.101	N	0.717	W	10	G			0.6	17	PYRENEES. mbLg 3.3 (MDD).
28	01	44	27.2&	18.870	N	155.251	W	13					1	HAWAII. <HVO-P>. MD 4.1 (HVO).

28	01	46	22.1&	18.869	N	155.231	W	13		4.5		21	HAWAII. <HVO-P>. MD 4.4 (HVO).
28	02	52	25.2?	8.89	S	127.67	E	33	N	4.2	1.1	14	TIMOR REGION, INDONESIA
28	02	57	43.3*	36.428	N	136.888	E	276	*	3.8	0.7	7	NEAR WEST COAST OF HONSHU, JAPAN
28	03	02	55.8&	18.739	N	155.215	W	10		4.5		26	HAWAII. <HVO-P>. MD 4.6 (HVO).
28	03	19	22.7?	52.53	N	31.19	W	10	G	3.5	1.5	8	NORTHERN MID-ATLANTIC RIDGE
28	03	36	14.9&	34.276	S	70.938	W	80	G		0.1	10	CHILE-ARGENTINA BORDER REGION. MD 2.3 (SAN).
28	03	44	08.4*	44.890	N	150.570	E	33	N	3.6	1.3	10	EAST OF KURIL ISLANDS
28	04	14	17.2	5.403	S	140.587	E	33	N	4.9	0.9	43	IRIAN JAYA, INDONESIA
28	04	39	04.1&	18.922	N	155.254	W	14		4.3		6	HAWAII. <HVO-P>. MD 3.9 (HVO).
28	04	48	22.0*	35.325	N	136.360	E	33	N		0.4	5	WESTERN HONSHU, JAPAN
28	04	51	48.5&	18.879	N	155.245	W	13				6	HAWAII. <HVO-P>. MD 4.3 (HVO).
28	05	18	50.6?	35.57	N	27.51	E	33	N	3.6	0.8	8	DODECANESE ISLANDS
28	05	37	06.3&	18.879	N	155.241	W	13		4.1		4	HAWAII. <HVO-P>. MD 3.7 (HVO).
28	06	02	43.2&	33.953	N	117.818	W	11				24	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.8 (PAS). ML 2.7 (GS). Felt.
28	06	08	51.9	10.384	S	164.982	E	33	N	4.9	0.9	50	SANTA CRUZ ISLANDS REGION
28	06	11	23.1	5.716	S	147.495	E	126		5.5	1.1	151	EASTERN NEW GUINEA REG., P.N.G. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:11:24.8; Lat 5.92 S; Lon 147.67 E; Dep 133.0; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.46, Plg=58, Azm=11; (N) Val=0.09, Plg=28, Azm=160; (P) Val=-1.56, Plg=14, Azm=257; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=20, Dip=39, Slip=137; NP2: Strike=145, Dip=65, Slip=59.
28	06	25	13.9*	49.714	N	156.458	E	33	N	3.6	0.7	8	KURIL ISLANDS
28	07	08	11.5	23.653	N	94.140	E	57	*	4.7 4.1	0.9	56	MYANMAR-INDIA BORDER REGION
28	07	42	01.3&	18.854	N	155.228	W	12		4.0		6	HAWAII. <HVO-P>. MD 4.3 (HVO).
28	07	44	13.4&	18.902	N	155.241	W	14		4.1		5	HAWAII. <HVO-P>. MD 4.3 (HVO).
28	08	00	05.8	36.246	N	27.344	E	33	N	3.8	1.2	21	DODECANESE ISLANDS
28	09	16	57.6&	18.890	N	155.249	W	14				4	HAWAII. <HVO-P>. MD 3.7 (HVO).
28	09	30	21.3&	18.891	N	155.247	W	7		4.8 4.2		91	HAWAII. <HVO-P>. MD 4.9 (HVO). Felt in the Kau District.
28	09	46	13.5&	33.992	N	116.274	W	5				32	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.4 (PAS). ML 3.2 (GS). Felt.
28	09	53	54.1&	37.644	N	119.029	W	4				7	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
28	10	12	57.6	39.571	N	15.687	E	261		3.2	0.9	21	SOUTHERN ITALY
28	10	27	25.2	1.045	N	120.112	E	33	N	5.0	0.9	32	MINAHASSA PENINSULA, SULAWESI
28	10	35	00.9&	62.739	N	150.810	W	99				67	CENTRAL ALASKA. <AEIC>.
28	10	40	43.6	1.006	N	120.196	E	33	N	5.5 5.5	1.1	123	MINAHASSA PENINSULA, SULAWESI. Mw 6.0 (GS), 6.0 (HRV). Moment Tensor (GS): Dep 5; Principal axes (scale 10**18 Nm): (T) Val=0.96, Plg=49, Azm=167; (N) Val=0.19, Plg=5, Azm=71; (P) Val=-1.15, Plg=40, Azm=336; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=21, Dip=7, Slip=40; NP2: Strike=251, Dip=86, Slip=95. Centroid, Moment Tensor (HRV): Centroid origin time 10:40:49.3; Lat 1.36 N; Lon 120.35 E; Dep 20.0 Bdy; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=9.55, Plg=60, Azm=174; (N) Val=0.23, Plg=5, Azm=75; (P) Val=-9.78, Plg=30, Azm=342; Best double couple: Mo=9.7*10**17 Nm; NP1: Strike=57, Dip=16, Slip=71; NP2: Strike=256, Dip=75, Slip=95.
28	10	47	52.0	0.985	N	120.094	E	33	N	5.0	0.9	51	MINAHASSA PENINSULA, SULAWESI
28	10	59	13.9?	8.31	S	148.38	E	33	N	3.7	1.2	6	EASTERN NEW GUINEA REG., P.N.G.
28	11	29	33.0	0.991	N	119.952	E	33	N	4.7	0.9	32	MINAHASSA PENINSULA, SULAWESI
28	11	40	46.8*	27.719	N	57.578	E	33	N	3.8	0.8	10	SOUTHERN IRAN
28	12	17	39.3?	14.63	S	70.82	W	182	?	3.7	1.2	13	CENTRAL PERU
28	12	42	27.3*	37.369	S	94.192	W	10	G	4.4	0.8	22	WEST CHILE RISE
28	12	55	43.7?	36.10	N	27.74	E	33	N	3.8	1.4	10	DODECANESE ISLANDS
28	13	39	56.5*	21.041	S	68.599	W	126	?	3.8	1.0	15	CHILE-BOLIVIA BORDER REGION
28	13	51	47.0&	60.827	N	139.534	W	15				31	SOUTHEASTERN ALASKA. <AEIC>. ML 3.3 (AEIC).
28	14	26	30.0	25.938	N	95.465	E	91	D	4.5	0.8	42	MYANMAR-INDIA BORDER REGION
28	14	40	20.6*	52.777	N	169.553	W	33	N	3.9	0.9	8	FOX ISLANDS, ALEUTIAN ISLANDS
28	14	50	20.3?	36.64	N	141.18	E	33	N		1.4	9	NEAR EAST COAST OF HONSHU, JAPAN
28	15	00	49.4	43.258	N	126.514	W	10	G	3.1	0.7	45	OFF COAST OF OREGON
28	15	54	38.2?	14.97	N	120.43	E	33	N	3.8	1.4	7	LUZON, PHILIPPINE ISLANDS
28	16	04	17.3?	3.35	S	139.81	E	33	N	4.0	1.5	8	IRIAN JAYA, INDONESIA
28	16	20	59.8*	14.844	N	62.068	W	32	*		0.5	8	WINDWARD ISLANDS. MD 3.7 (TRN). Felt (II) on Martinique.
28	16	27	47.5*	36.004	N	27.509	E	33	N	3.7	1.4	11	DODECANESE ISLANDS
28	16	54	05.2*	43.456	N	146.704	E	77	*	4.4	1.1	37	KURIL ISLANDS
28	17	00	18.2?	0.47	N	120.44	E	33	N	4.3	1.1	10	MINAHASSA PENINSULA, SULAWESI
28	17	14	17.4*	38.685	N	70.327	E	33	N	3.6	0.6	8	AFGHANISTAN-TAJIKISTAN BORD REG.
28	17	26	20.9?	43.81	N	8.68	E	5	G		0.3	8	CORSICA. ML 2.2 (GEN).
28	18	12	12.6&	18.806	N	155.213	W	12				3	HAWAII. <HVO-P>. MD 4.3 (HVO).
28	18	38	19.7&	60.652	N	151.648	W	60				74	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.4 (AEIC), 3.2 (PMR).
28	19	15	49.1&	18.897	N	155.261	W	26				2	HAWAII. <HVO-P>. MD 3.8 (HVO).
28	20	52	16.7?	5.49	N	77.74	W	10	G	3.9	1.2	9	NEAR WEST COAST OF COLOMBIA
28	21	23	28.4?	36.31	N	2.68	W	10	G		1.0	9	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
28	22	04	41.9&	18.850	N	155.234	W	12				2	HAWAII. <HVO-P>. MD 4.0 (HVO).
28	22	09	27.4&	18.893	N	155.245	W	13				3	HAWAII. <HVO-P>. MD 4.3 (HVO).
28	22	44	47.0&	18.939	N	155.274	W	15				2	HAWAII. <HVO-P>. MD 4.1 (HVO).
28	22	50	36.9	36.116	S	101.805	W	10	G	4.5	0.9	23	SOUTHERN PACIFIC OCEAN
28	23	07	29.7&	61.790	N	150.640	W	46				66	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
28	23	23	19.8	28.143	S	70.562	W	62	D	4.6	1.2	39	CENTRAL CHILE
28	23	33	48.8*	2.299	N	84.602	W	33	N	4.4	1.3	20	OFF COAST OF CENTRAL AMERICA
28	23	34	02.4&	18.834	N	155.226	W	12				2	HAWAII. <HVO-P>. MD 3.8 (HVO).
28	23	41	17.7	2.604	S	152.469	E	33	N	5.1 5.0	1.0	59	NEW IRELAND REGION, P.N.G. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:41:19.5; Lat 2.83 S; Lon 152.90 E; Dep 29.5; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.31, Plg=56, Azm=285; (N) Val=-0.05, Plg=24, Azm=154; (P) Val=-1.26, Plg=23, Azm=54; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=106, Dip=31, Slip=37; NP2: Strike=343, Dip=72, Slip=115.
29	00	04	47.2	33.465	S	66.096	W	33	N	4.9	0.9	72	SAN LUIS PROVINCE, ARGENTINA. Felt throughout San Luis

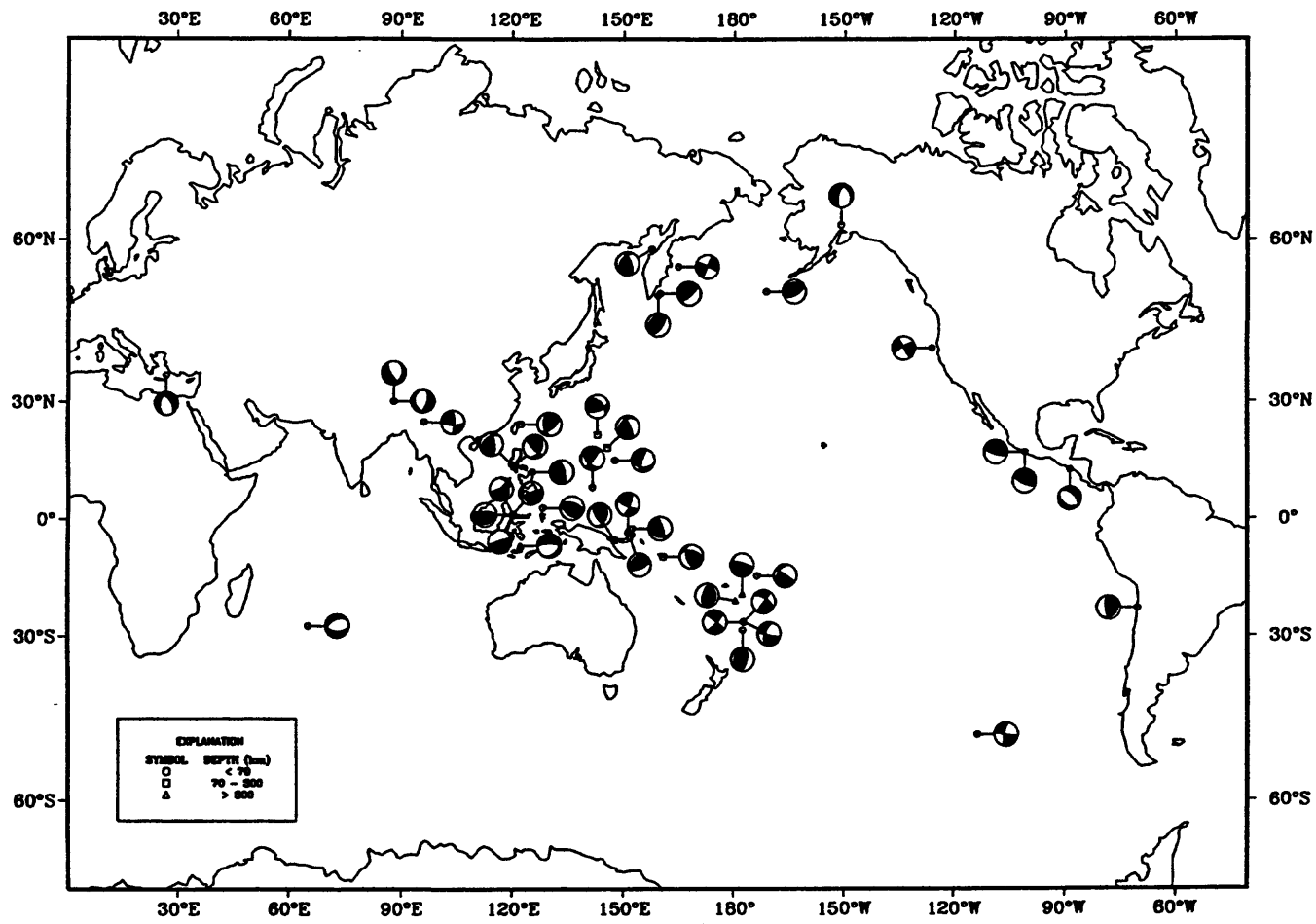
													Province. Also felt (III) at Mendoza.
29	00	28	13.2?	1.93	N	80.63	W	33	N	4.0	1.3	15	OFF COAST OF ECUADOR
29	00	29	26.3&	44.481	N	7.260	E	14	*		0.2	10	NORTHERN ITALY. ML 2.3 (GEN).
29	00	47	37.5	54.028	N	109.227	E	33	N	4.1	0.7	15	LAKE BAYKAL REGION, RUSSIA
29	01	48	57.8	41.824	N	88.420	E	0	G	4.9	0.7	97	SOUTHERN XINJIANG, CHINA. Probable underground nuclear explosion.
29	01	52	11.3?	21.28	S	178.72	W	613	?	4.0	0.6	14	FIJI ISLANDS REGION
29	02	13	39.0?	1.28	N	125.73	E	33	N	3.9	1.1	6	NORTHERN MOLUCCA SEA
29	03	18	22.3&	18.750	N	155.205	W	10				1	HAWAII. <HVO-P>. MD 3.7 (HVO).
29	03	19	58.9&	18.866	N	155.237	W	13		3.8		10	HAWAII. <HVO-P>. MD 4.3 (HVO).
29	03	34	10.2&	18.952	N	155.285	W	15				1	HAWAII. <HVO-P>. MD 3.9 (HVO).
29	04	25	13.8*	37.181	N	72.157	E	200	G	3.6	0.9	8	TAJIKISTAN
29	04	38	38.7?	6.06	S	154.86	E	33	N	4.0	0.9	8	SOLOMON ISLANDS
29	04	49	40.3&	18.867	N	155.244	W	13				1	HAWAII. <HVO-P>. MD 3.9 (HVO).
29	04	58	39.6&	59.775	N	153.476	W	127		3.8		108	SOUTHERN ALASKA. <AEIC>.
29	05	58	49.4	44.344	N	9.800	E	5	G		0.5	8	NORTHERN ITALY. ML 2.6 (GEN).
29	06	08	03.1&	18.820	N	155.215	W	12				2	HAWAII. <HVO-P>. MD 3.8 (HVO).
29	06	32	22.2&	18.856	N	155.242	W	13				1	HAWAII. <HVO-P>. MD 3.9 (HVO).
29	06	55	55.8&	18.900	N	155.265	W	14				2	HAWAII. <HVO-P>. MD 3.8 (HVO).
29	07	18	49.5&	63.251	N	149.752	W	100				56	CENTRAL ALASKA. <AEIC>.
29	07	24	04.0&	18.914	N	155.254	W	12				1	HAWAII. <HVO-P>. MD 3.8 (HVO).
29	08	05	25.5*	60.405	S	27.973	W	33	N	4.0	0.8	7	SOUTH SANDWICH ISLANDS REGION
29	08	20	53.4&	18.893	N	155.244	W	13				1	HAWAII. <HVO-P>. MD 3.8 (HVO).
29	08	31	03.5&	18.857	N	155.233	W	13		3.8		4	HAWAII. <HVO-P>. MD 4.3 (HVO).
29	08	32	06.1*	12.901	N	88.824	W	65		3.7	0.9	16	OFF COAST OF CENTRAL AMERICA. MD 3.6 (SSS). Felt (II) at San Salvador, El Salvador.
29	09	03	29.8&	18.896	N	155.247	W	13				1	HAWAII. <HVO-P>. MD 3.9 (HVO).
29	09	47	22.0*	60.017	S	159.789	E	10	G	4.5	0.8	17	MACQUARIE ISLANDS REGION
29	09	51	20.7?	50.09	N	176.40	W	33	N	3.4	0.9	4	ANDREANOF ISLANDS, ALEUTIAN IS.
29	10	56	09.9*	55.780	S	27.924	W	33	N	4.6	0.8	13	SOUTH SANDWICH ISLANDS REGION
29	11	00	32.5&	18.891	N	155.259	W	13		4.4		25	HAWAII. <HVO-P>. MD 4.5 (HVO).
29	11	13	07.9&	18.936	N	155.284	W	15				1	HAWAII. <HVO-P>. MD 3.9 (HVO).
29	11	36	53.9*	32.761	S	71.685	W	50	G		0.4	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
29	13	25	50.0*	18.056	N	145.667	E	204	D	4.1	0.9	18	MARIANA ISLANDS
29	13	32	29.4?	34.81	S	71.11	W	90	G		0.2	11	NEAR COAST OF CENTRAL CHILE. MD 2.6 (SAN).
29	13	46	45.9&	18.842	N	155.228	W	12		3.9		8	HAWAII. <HVO-P>. MD 4.3 (HVO).
29	14	28	35.5&	18.872	N	155.239	W	13				2	HAWAII. <HVO-P>. MD 4.0 (HVO).
29	14	44	51.0	24.382	N	127.403	E	33	N	4.7	0.8	22	SOUTHEAST OF RYUKYU ISLANDS
29	15	12	10.7*	31.419	S	69.546	W	180	G		0.4	11	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
29	15	34	30.7	46.018	N	6.016	E	10	G		0.8	17	SWITZERLAND. ML 2.8 (STR).
29	16	05	11.9*	13.896	N	145.150	E	142		4.0	0.9	16	MARIANA ISLANDS
29	16	14	32.4*	48.374	S	31.120	E	10	G	4.5	1.1	9	SOUTH OF AFRICA
29	16	53	21.8?	10.27	S	151.63	E	33	N	3.7	1.4	8	D'ENTRECASTEAUX ISLANDS REGION
29	17	27	58.5	7.475	N	126.858	E	33	N	4.5	0.8	27	MINDANAO, PHILIPPINE ISLANDS
29	17	33	42.6	21.863	S	178.283	W	331	*	4.7	0.9	82	FIJI ISLANDS REGION
29	17	57	16.5*	31.530	S	68.893	W	135	*	4.2	0.9	19	SAN JUAN PROVINCE, ARGENTINA. MD 4.3 (SAN).
29	19	17	22.6?	2.70	N	126.56	E	33	N	4.0	0.8	10	NORTHERN MOLUCCA SEA
29	19	36	38.9	35.212	N	136.400	E	33	N	3.5	1.3	13	WESTERN HONSHU, JAPAN
29	20	00	05.3*	51.520	N	176.494	E	33	N	4.1	1.2	11	RAT ISLANDS, ALEUTIAN ISLANDS
29	20	03	37.8	50.863	N	175.980	E	33	N	3.9	0.6	18	RAT ISLANDS, ALEUTIAN ISLANDS
29	20	12	32.3&	18.906	N	155.264	W	14				2	HAWAII. <HVO-P>. MD 3.7 (HVO).
29	20	20	52.9	24.602	N	122.282	E	74	D	5.2	1.1	153	TAIWAN REGION. Mw 5.5 (HRV). Felt on Taiwan. Centroid, Moment Tensor (HRV): Centroid origin time 20:20:55.6; Lat 24.44 N; Lon 122.22 E; Dep 67.9; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.77, Plg=57, Azm=21; (N) Val=0.00, Plg=32, Azm=207; (P) Val=-1.77, Plg=3, Azm=116; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=176, Dip=51, Slip=46; NP2: Strike=53, Dip=56, Slip=130.
29	21	17	31.8&	59.498	N	152.575	W	77				42	SOUTHERN ALASKA. <AEIC>.
29	23	15	04.6&	18.925	N	155.258	W	14		3.5		4	HAWAII. <HVO-P>. MD 4.1 (HVO).
30	00	15	12.9*	0.997	N	120.144	E	33	N	4.5	1.0	13	MINAHASSA PENINSULA, SULAWESI
30	00	21	03.1?	11.53	N	86.04	W	33	N	3.8	0.5	5	NEAR COAST OF NICARAGUA
30	00	22	52.4*	7.115	S	127.002	E	310	?	4.7	1.2	15	BANDA SEA
30	00	55	06.2	6.792	S	132.339	E	33	N	4.7	0.9	26	TANIMBAR ISLANDS REG., INDONESIA
30	01	04	02.6?	34.56	S	70.33	W	10	G		0.4	6	CHILE-ARGENTINA BORDER REGION
30	01	17	44.0*	13.422	S	167.298	E	150	G	4.6	1.1	65	VANUATU ISLANDS
30	01	25	05.8%	36.192	N	27.225	E	10	G		1.1	6	DODECANESE ISLANDS. ML 4.1 (ATH).
30	01	59	17.7&	18.933	N	155.275	W	14				2	HAWAII. <HVO-P>. MD 4.0 (HVO).
30	02	08	18.9%	36.353	N	27.196	E	5	G		1.3	5	DODECANESE ISLANDS. ML 4.0 (ATH).
30	02	14	38.5&	18.878	N	155.254	W	13				1	HAWAII. <HVO-P>. MD 3.8 (HVO).
30	02	43	54.5	6.891	S	129.527	E	120	?	4.9	1.1	31	BANDA SEA
30	02	57	47.7%	36.114	N	27.280	E	5	G		1.4	5	DODECANESE ISLANDS. MD 4.0 (ATH).
30	03	01	11.9*	41.945	N	146.128	E	33	N	4.1	1.2	12	OFF COAST OF HOKKAIDO, JAPAN
30	03	07	05.8*	43.657	N	85.145	E	33	N	4.0	0.6	11	NORTHERN XINJIANG, CHINA
30	03	45	22.5&	18.891	N	155.255	W	27		4.2		5	HAWAII. <HVO-P>. MD 3.9 (HVO).
30	04	09	01.2	39.450	N	25.769	E	5	G		0.6	6	AEGEAN SEA. MD 3.7 (ATH).
30	04	28	04.8%	44.422	N	8.620	E	10	G		0.4	10	NORTHERN ITALY. ML 2.3 (GEN).
30	04	28	55.5	43.817	N	84.636	E	33	N	4.3	0.9	20	NORTHERN XINJIANG, CHINA
30	06	37	08.0?	32.46	S	71.96	W	10	G		0.4	12	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
30	06	38	07.7&	18.918	N	155.255	W	14		3.8		9	HAWAII. <HVO-P>. MD 4.4 (HVO).
30	06	50	21.0&	61.514	N	147.874	W	31				66	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
30	06	58	12.1?	34.97	S	71.19	W	100	G		0.3	9	NEAR COAST OF CENTRAL CHILE
30	07	45	56.0%	36.233	N	27.189	E	5	G		0.4	5	DODECANESE ISLANDS. MD 3.7 (ATH).
30	08	32	13.3%	36.247	N	27.194	E	5	G		0.2	7	DODECANESE ISLANDS. MD 3.9 (ATH).
30	09	32	21.0?	48.99	N	155.85	E	33	N	3.8	1.4	6	KURIL ISLANDS
30	09	43	53.8*	17.703	S	178.848	W	530	*	4.4	1.1	24	FIJI ISLANDS REGION
30	10	14	32.7?	31.76	S	69.63	W	170	G		1.1	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.1 (SAN).
30	11	04	02.2*	51.921	N	14.254	E	10	G		1.3	5	GERMANY
30	11	48	19.6*	3.876	S	141.404	E	113	*	4.4	1.2	17	NEW GUINEA, PAPUA NEW GUINEA
30	11	48	31.8*	51.697	N	14.677	E	10	G		1.0	6	GERMANY
30	11	59	55.6?	12.55	N	87.16	W	33	N	4.1	0.7	5	NEAR COAST OF NICARAGUA
30	13	05	43.2&	62.400	N	151.390	W	87				54	CENTRAL ALASKA. <AEIC>.

30	13	29	53.2&	18.836	N	155.226	W	12		4.3		4	HAWAII. <HVO-P>. MD 3.8 (HVO).
30	13	55	55.4&	18.900	N	155.250	W	10	G	4.3		24	HAWAII. <SPEC>. MD 4.6 (HVO).
30	14	25	16.4?	48.17	N	128.98	W	10	G	3.3	0.6	7	VANCOUVER ISLAND REGION
30	14	39	59.9%	44.077	N	7.090	E	10	G		0.1	5	NORTHERN ITALY. ML 2.2 (GEN).
30	16	05	25.3*	28.477	N	113.134	W	10	G	4.0	1.0	21	BAJA CALIFORNIA, MEXICO
30	16	05	45.5	46.032	N	10.818	E	10	G		0.9	10	NORTHERN ITALY. ML 2.5 (VIE).
30	17	10	25.6?	6.36	S	76.96	W	153	?	3.7	1.3	13	NORTHERN PERU
30	17	38	30.7	14.509	N	119.954	E	33	N	6.1 5.7	1.0	289	LUZON, PHILIPPINE ISLANDS. Mw 6.1 (GS), 6.0 (HRV). Me 6.1 (GS). Ms 5.6 (BRK). Some damage in the epicentral area. Felt at Angeles, Baguio, Manila, Olongapo and Tagaytay. Broadband Source Parameters (GS): Dep 32; NP1: Strike=230, Dip=40, Slip=140; NP2: Strike=353, Dip=66, Slip=57; Radiated energy 2.8*10**13 Nm. Two events about 5 seconds apart. Depths 32 and 28 km, respectively. Moment Tensor (GS): Dep 36; Principal axes (scale 10**18 Nm): (T) Val=1.25, Plg=70, Azm=270; (N) Val=0.21, Plg=0, Azm=1; (P) Val=-1.46, Plg=20, Azm=91; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=182, Dip=25, Slip=91; NP2: Strike=1, Dip=65, Slip=90. Centroid, Moment Tensor (HRV): Centroid origin time 17:38:34.3; Lat 14.56 N; Lon 119.87 E; Dep 43.0 Bdy; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=1.26, Plg=76, Azm=294; (N) Val=-0.05, Plg=5, Azm=185; (P) Val=-1.21, Plg=13, Azm=94; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=177, Dip=32, Slip=81; NP2: Strike=8, Dip=58, Slip=96. Scalar Moment (PPT): Mo=1.5*10**18 Nm.
30	18	00	26.4%	34.131	S	70.993	W	80	G		0.6	9	CHILE-ARGENTINA BORDER REGION
30	18	17	07.2*	8.926	S	109.358	W	10	G	4.8	1.1	33	CENTRAL EAST PACIFIC RISE
30	18	23	17.5?	23.99	N	121.98	E	89	?	4.0	1.5	7	TAIWAN
30	19	10	36.6?	10.83	N	62.15	W	66	?		0.3	6	NEAR COAST OF VENEZUELA
30	19	14	02.6	39.248	N	22.065	E	10	G		0.7	9	GREECE. MD 3.0 (ATH).
30	19	43	07.4?	36.30	N	27.15	E	5	G		0.6	4	DODECANESE ISLANDS. MD 3.6 (ATH).
30	19	54	28.5%	10.938	N	61.665	W	33	N		0.4	5	TRINIDAD
30	20	14	22.8*	25.785	N	124.225	E	205	?	3.7	0.7	13	NORTHEAST OF TAIWAN
30	21	10	59.0%	33.142	S	70.295	W	10	G		0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
30	21	39	11.9?	34.74	N	22.96	E	5	G		0.5	4	CENTRAL MEDITERRANEAN SEA. MD 3.6 (ATH).
30	21	46	09.4	38.819	N	20.705	E	10	G	4.0	1.4	40	GREECE. ML 3.9 (ATH).
30	21	59	32.4&	18.781	N	155.226	W	11				1	HAWAII. <HVO-P>. MD 3.7 (HVO).
30	21	59	54.7?	14.65	S	167.90	E	33	N	4.1	1.0	7	VANUATU ISLANDS
30	22	08	01.6%	36.213	N	27.199	E	5	G		0.6	5	DODECANESE ISLANDS. MD 3.6 (ATH).
30	22	41	45.6?	59.48	N	30.42	W	10	G	3.8	0.4	5	NORTH ATLANTIC OCEAN
30	22	43	37.5*	59.918	N	30.332	W	10	G	3.8	1.5	8	NORTH ATLANTIC OCEAN
30	22	58	19.8%	44.720	N	6.595	E	11			0.2	11	FRANCE. ML 2.4 (GEN).
30	23	30	00.3?	36.12	N	27.13	E	10	G		0.1	4	DODECANESE ISLANDS. MD 3.6 (ATH).
30	23	41	51.5*	29.071	S	13.010	W	10	G	4.7 4.5	1.5	34	SOUTHERN MID-ATLANTIC RIDGE
31	00	06	27.8&	18.898	N	155.255	W	14				2	HAWAII. <HVO-P>. MD 3.8 (HVO).
31	00	07	44.0%	36.239	N	27.337	E	33	N		0.3	5	DODECANESE ISLANDS. MD 3.8 (ATH).
31	00	15	01.3	51.582	N	16.157	E	10	G	3.5	0.7	29	POLAND. ML 4.0 (GRF), 3.9 (FUR), 3.8 (MOX).
31	00	32	15.9	37.631	N	143.022	E	33	N	4.1	0.7	20	OFF EAST COAST OF HONSHU, JAPAN
31	01	13	31.7*	41.958	N	125.928	W	10	G	3.2	1.3	10	OFF COAST OF NORTHERN CALIFORNIA
31	02	19	17.0	3.820	S	151.305	E	33	N	5.1 5.2	1.1	42	NEW IRELAND REGION, P.N.G. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:19:18.8; Lat 3.72 S; Lon 151.69 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.55, Plg=21, Azm=337; (N) Val=-0.49, Plg=69, Azm=155; (P) Val=-2.06, Plg=1, Azm=247; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=20, Dip=75, Slip=165; NP2: Strike=114, Dip=76, Slip=16.
31	02	27	35.0*	3.735	S	150.995	E	33	N	4.4	1.2	19	NEW IRELAND REGION, P.N.G.
31	02	34	38.9	39.568	N	23.537	E	5	G		1.0	12	AEGEAN SEA. ML 3.3 (ATH).
31	03	20	51.9	41.954	N	23.194	E	10	G		0.9	10	GREECE-BULGARIA BORDER REGION. ML 2.7 (SKO).
31	03	47	31.9&	60.449	N	151.997	W	85				54	KENAI PENINSULA, ALASKA. <AEIC>.
31	04	06	13.1*	3.783	S	151.507	E	33	N	4.9	1.1	28	NEW IRELAND REGION, P.N.G. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:06:15.4; Lat 4.50 S; Lon 151.19 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.12, Plg=35, Azm=317; (N) Val=-0.29, Plg=20, Azm=62; (P) Val=-0.84, Plg=48, Azm=175; Best double couple: Mo=9.8*10**16 Nm; NP1: Strike=353, Dip=21, Slip=-160; NP2: Strike=244, Dip=83, Slip=-70.
31	04	14	11.6?	1.78	N	99.59	E	149	?	4.0	0.6	13	NORTHERN SUMATERA, INDONESIA
31	04	29	27.2	40.035	N	20.670	E	5	G		0.8	7	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH).
31	04	36	42.8?	10.91	N	84.91	W	100	G	3.9	1.2	13	COSTA RICA
31	05	31	52.0	41.302	N	14.381	E	25			1.2	41	SOUTHERN ITALY. ML 3.2 (ROM).
31	05	38	55.7&	18.922	N	155.272	W	14				2	HAWAII. <HVO-P>. MD 3.8 (HVO).
31	05	44	31.1&	18.899	N	155.260	W	14				3	HAWAII. <HVO-P>. MD 4.0 (HVO).
31	05	48	24.0	3.839	N	31.533	W	10	G	4.6 4.3	0.9	52	CENTRAL MID-ATLANTIC RIDGE
31	06	12	02.3*	30.471	N	140.775	E	93	*	4.2	0.8	10	SOUTH OF HONSHU, JAPAN
31	06	39	59.2*	4.856	S	151.537	E	166	?	4.5	1.0	20	NEW BRITAIN REGION, P.N.G.
31	06	57	31.7?	44.47	N	7.32	E	10	G		0.1	4	NORTHERN ITALY. ML 1.8 (GEN).
31	07	14	49.9?	18.34	S	174.65	W	33	N	4.3	0.7	12	TONGA ISLANDS
31	07	43	01.5?	10.55	N	61.76	W	10	G		0.2	4	TRINIDAD
31	08	00	27.5	30.174	N	88.178	E	33	N	5.1 5.1	1.1	136	XIZANG. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:00:34.0; Lat 29.74 N; Lon 88.67 E; Dep 15.0 Bdy; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.78, Plg=21, Azm=258; (N) Val=0.02, Plg=23, Azm=159; (P) Val=-1.80, Plg=58, Azm=26; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=23, Dip=32, Slip=-41; NP2: Strike=150, Dip=70, Slip=-115.
31	08	02	52.7	30.111	N	88.143	E	33	N	5.1 5.0	0.8	96	XIZANG
31	08	20	11.4%	47.804	N	8.024	E	10	G		1.5	10	SWITZERLAND

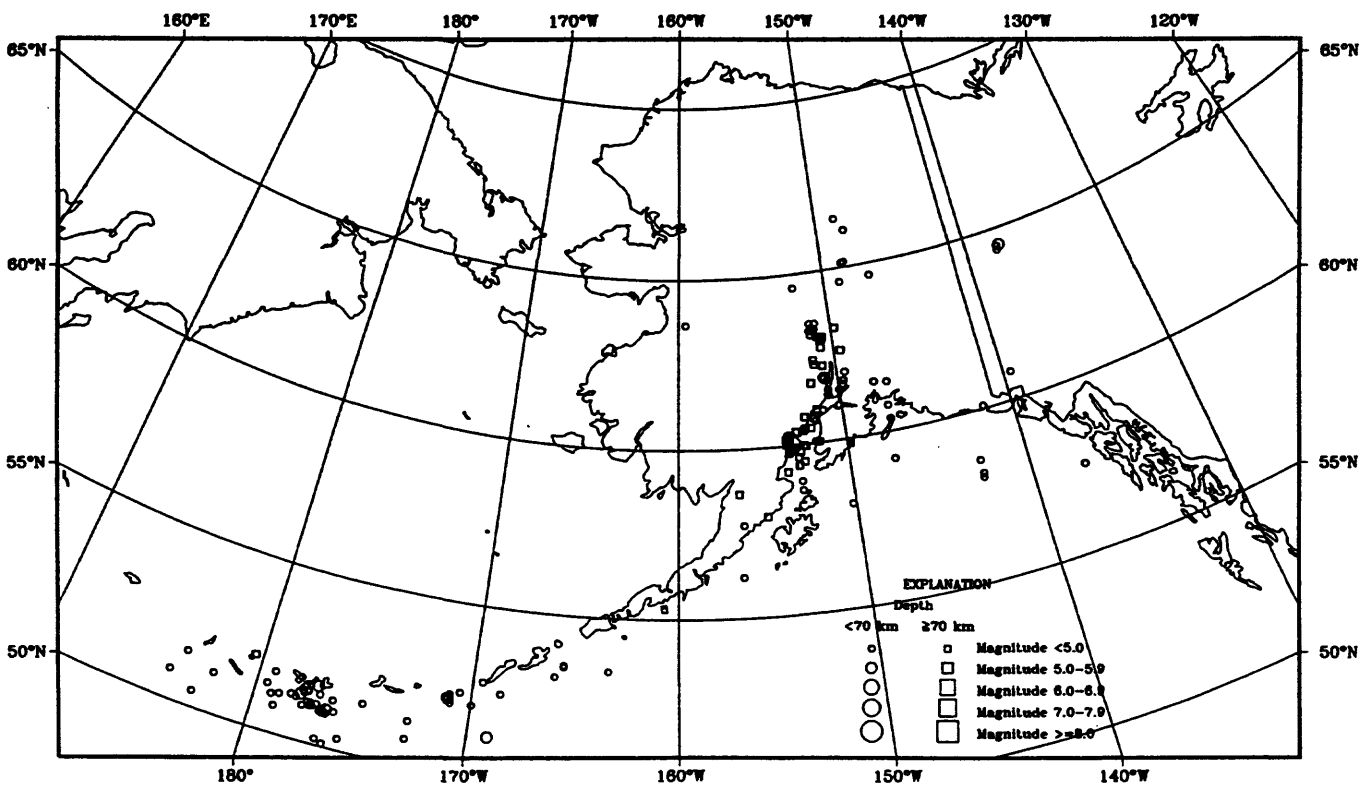
31	09	18	30.9%	36.252	N	27.146	E	5	G			0.1	5	DODECANESE ISLANDS. MD 3.9 (ATH).
31	09	23	41.0	36.194	N	27.225	E	33	N	4.3		1.3	54	DODECANESE ISLANDS. ML 4.5 (ATH).
31	09	36	08.5%	36.298	N	27.180	E	5	G				5	DODECANESE ISLANDS. MD 3.7 (ATH).
31	09	42	00.5%	36.275	N	27.159	E	33	N			0.1	6	DODECANESE ISLANDS. MD 3.9 (ATH).
31	10	14	14.5%	36.176	N	27.163	E	5	G			1.0	5	DODECANESE ISLANDS. MD 3.7 (ATH).
31	10	19	33.1	2.731	N	128.616	E	250	G	4.5		0.8	27	HALMAHERA, INDONESIA
31	10	29	10.4	12.739	S	66.307	E	10	G	5.1	4.9	0.9	164	MID-INDIAN RIDGE. Mw 5.2 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 10:29:15.4; Lat 12.86 S; Lon 66.10 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=7.56, Plg=0, Azm=216; (N) Val=-0.35, Plg=0, Azm=126; (P) Val=-7.21, Plg=90, Azm=180; Best double couple: Mo=7.4*10**16 Nm; NP1: Strike=306, Dip=45, Slip=-90; NP2: Strike=126, Dip=45, Slip=-90.
31	10	36	42.0&	58.937	N	152.855	W	68		3.0			86	KODIAK ISLAND REGION. <AEIC>. ML 3.3 (AEIC).
31	11	43	28.5	28.442	N	142.688	E	33	N	4.2		1.0	21	BONIN ISLANDS REGION
31	12	33	20.8*	53.486	N	165.718	W	33	N	3.8		1.3	15	FOX ISLANDS, ALEUTIAN ISLANDS
31	12	38	38.8?	36.09	N	141.56	E	10	G			0.6	5	NEAR EAST COAST OF HONSHU, JAPAN
31	12	38	48.7*	53.538	N	165.722	W	33	N	4.2		1.2	26	FOX ISLANDS, ALEUTIAN ISLANDS
31	14	00	55.0*	46.314	N	153.063	E	33	N	4.7	4.2	1.1	55	KURIL ISLANDS
31	14	01	51.5*	50.230	N	18.985	E	10	G			0.3	5	POLAND. MG 2.8 (WAR).
31	14	53	45.0?	9.39	N	141.33	E	33	N	4.3		0.8	6	WESTERN CAROLINE ISLANDS
31	15	12	12.9*	51.382	N	16.173	E	10	G			0.5	6	POLAND. ML 2.6 (MOX), 2.4 (CLL).
31	15	18	25.0	40.046	N	20.720	E	10	G			1.3	7	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).
31	16	06	56.1*	36.507	N	71.029	E	211	?	3.8		0.8	12	AFGHANISTAN-TAJIKISTAN BORD REG.
31	16	26	44.0	46.376	N	7.389	E	5	G			0.9	39	SWITZERLAND. ML 3.0 (LDG).
31	16	33	45.4%	35.272	N	26.978	E	5	G			0.5	5	CRETE. MD 3.9 (ATH).
31	16	34	34.3?	32.09	S	71.49	W	10	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
31	16	41	03.0%	36.248	N	27.226	E	5	G			1.3	6	DODECANESE ISLANDS. MD 3.9 (ATH).
31	16	50	02.2&	18.940	N	155.267	W	24					2	HAWAII. <HVO-P>. MD 3.7 (HVO).
31	16	56	17.4&	18.901	N	155.256	W	14					2	HAWAII. <HVO-P>. MD 4.3 (HVO).
31	16	57	01.2&	59.392	N	152.948	W	99					41	SOUTHERN ALASKA. <AEIC>.
31	17	41	26.0*	35.829	N	70.707	E	110	D	4.1		1.3	20	HINDU KUSH REGION, AFGHANISTAN
31	18	06	40.4%	36.297	N	27.198	E	5	G			0.6	6	DODECANESE ISLANDS. MD 4.0 (ATH).
31	18	11	39.0*	2.541	N	126.953	E	91	D	4.4		1.4	23	NORTHERN MOLUCCA SEA
31	18	46	11.7*	19.081	N	39.160	E	10	G	4.1		1.0	20	RED SEA
31	19	52	33.9?	12.13	S	66.11	E	10	G	3.8		1.0	7	MID-INDIAN RIDGE
31	19	57	18.1?	12.86	S	66.27	E	10	G	4.0		1.5	14	MID-INDIAN RIDGE
31	20	11	12.6?	27.57	N	140.58	E	300	G	3.4		0.5	7	BONIN ISLANDS REGION
31	20	29	54.9?	36.24	N	27.14	E	5	G			0.4	4	DODECANESE ISLANDS. MD 4.0 (ATH).
31	21	03	17.2%	36.185	N	27.089	E	10	G			1.2	7	DODECANESE ISLANDS. MD 3.9 (ATH).
31	21	41	04.6?	0.82	N	16.21	W	10	G	3.7		1.1	5	NORTH OF ASCENSION ISLAND
31	21	50	19.9&	60.201	N	153.483	W	137					67	SOUTHERN ALASKA. <AEIC>.
31	22	02	03.6*	47.325	N	152.179	E	33	N	3.8		0.3	8	KURIL ISLANDS
31	22	06	19.1?	27.43	S	65.50	E	10	G	4.3		1.1	9	SOUTH INDIAN OCEAN
31	22	18	43.0*	27.572	S	65.447	E	10	G	4.1		0.9	10	SOUTH INDIAN OCEAN
31	22	24	23.2?	27.44	S	65.49	E	10	G	4.3		1.4	9	SOUTH INDIAN OCEAN
31	22	25	48.3?	27.57	S	65.88	E	10	G	4.3		1.3	7	SOUTH INDIAN OCEAN
31	22	26	27.5%	36.152	N	27.129	E	5	G			0.3	6	DODECANESE ISLANDS. MD 4.0 (ATH).
31	22	29	31.5?	34.71	S	70.48	W	115	G			0.4	6	CHILE-ARGENTINA BORDER REGION
31	22	30	35.5	27.600	S	65.547	E	10	G	5.6	5.4	1.0	232	SOUTH INDIAN OCEAN. Mw 5.6 (HRV), 5.4 (GS).
														Moment Tensor (GS): Dep 14; Principal axes (scale 10**17 Nm): (T) Val=1.57, Plg=4, Azm=169; (N) Val=0.04, Plg=16, Azm=260; (P) Val=-1.61, Plg=73, Azm=66; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=242, Dip=43, Slip=-114; NP2: Strike=94, Dip=51, Slip=-69.
														Centroid, Moment Tensor (HRV): Centroid origin time 22:30:42.7; Lat 27.53 S; Lon 65.34 E; Dep 15.0 Bdy; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.88, Plg=0, Azm=160; (N) Val=-0.18, Plg=8, Azm=250; (P) Val=-2.69, Plg=82, Azm=70; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=242, Dip=46, Slip=-101; NP2: Strike=78, Dip=46, Slip=-79.
31	22	34	49.1	51.609	N	7.646	E	10	G			1.0	12	GERMANY. ML 2.3 (DBN).
31	22	39	23.8*	21.337	S	178.350	W	500	G	4.5		0.8	27	FIJI ISLANDS REGION
31	22	54	37.5?	27.72	S	65.59	E	10	G	4.0		0.7	7	SOUTH INDIAN OCEAN
31	23	03	07.7*	20.315	N	45.508	W	10	G	4.1		0.9	13	NORTHERN MID-ATLANTIC RIDGE
31	23	13	04.9?	27.58	S	65.56	E	10	G	4.3		1.4	16	SOUTH INDIAN OCEAN
31	23	19	45.8%	37.533	N	3.047	W	10	G			1.2	6	SPAIN. mbLg 2.2 (MDD).
31	23	32	07.3	20.306	N	45.667	W	10	G	4.6	4.4	0.8	49	NORTHERN MID-ATLANTIC RIDGE
31	23	59	39.9*	27.634	S	65.306	E	10	G	4.6		1.1	16	SOUTH INDIAN OCEAN

Compiled by Francis W. Baldwin, Pamela J. Benfield, Don L. Blakeman, George L. Choy, Stuart K. Koyanagi, John H. Minsch, Waverly J. Person, Stuart A. Sipkin and Madeleine D. Zirbes.

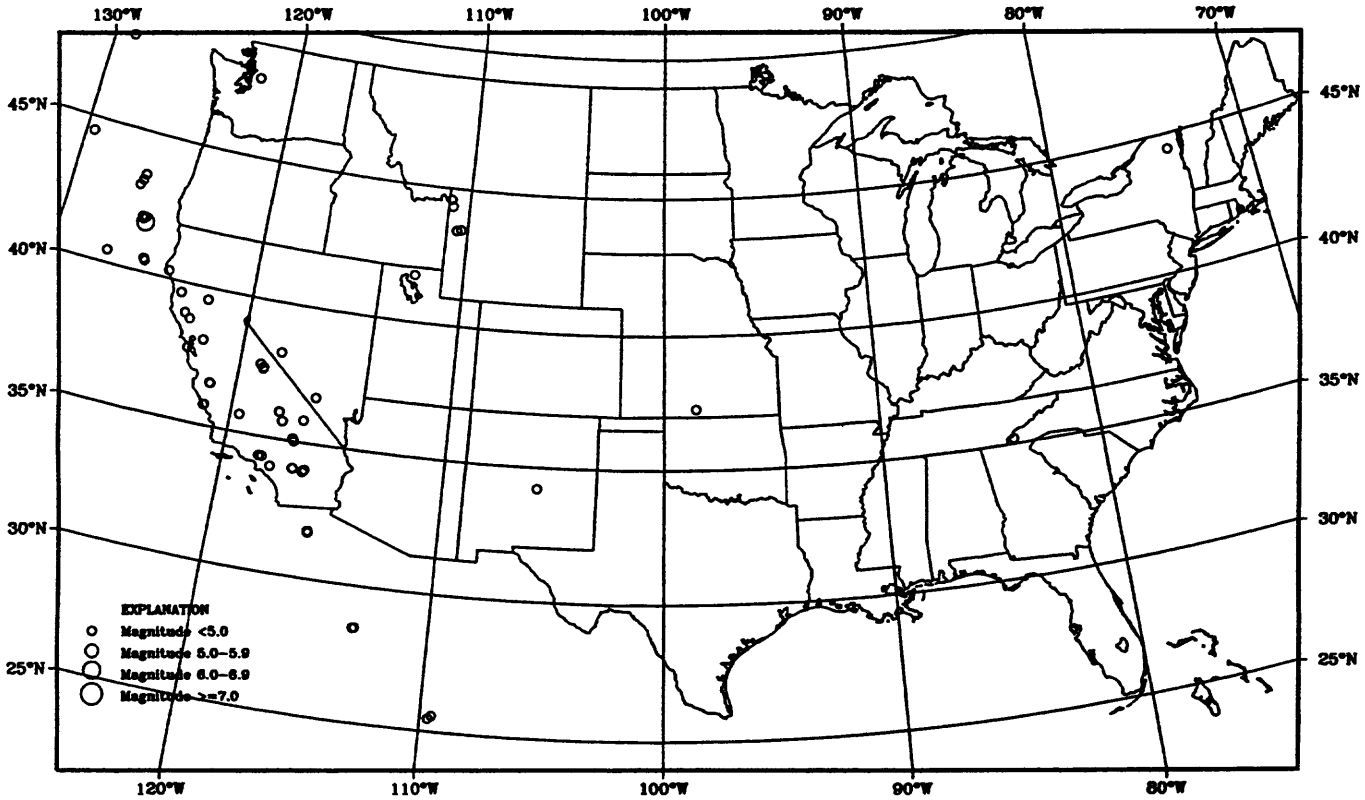
Earthquake Focal Mechanisms for July 1996



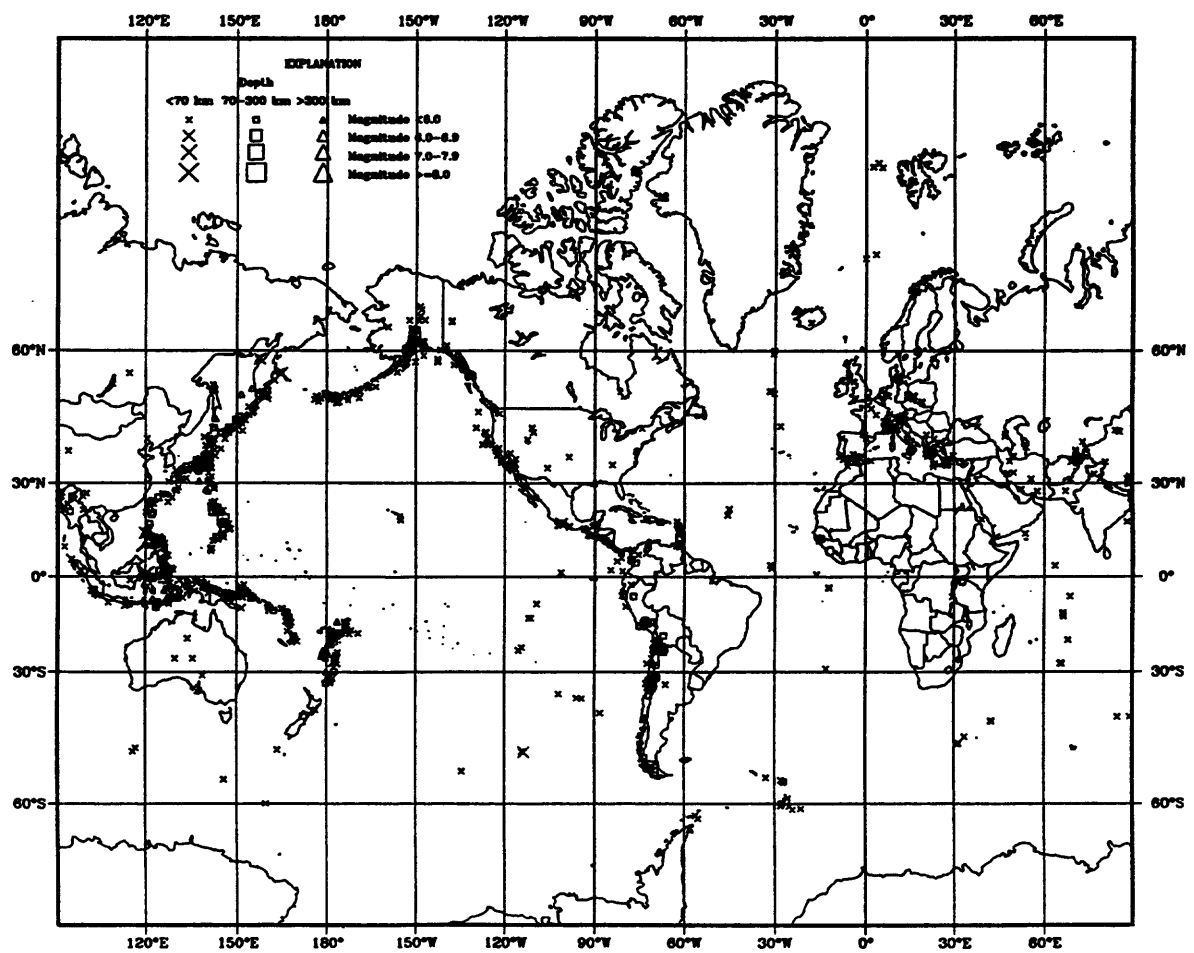
Earthquake epicenters in Alaska and adjacent regions for July 1996



Earthquake epicenters in the conterminous United States and adjacent regions for July 1996



Earthquakes located worldwide in July 1996



EXPLANATION OF ABBREVIATIONS AND SYMBOLS APPEARING IN THIS PUBLICATION

Abbreviations in Heading

MB - Body wave magnitudes.
Msz - Vertical surface wave magnitudes.
UTC - Coordinated Universal Time. HR MN SEC - Hour, minute, second.
SD - Standard Deviation from the arithmetic mean of residuals.
No. Sta. - Number of stations reporting P or PKP phases used in computation.
KEY - (Printed vertically). An "a" in this column indicates additional source parameters are published for this event in a separate section following the list of hypocenters.

Symbols and Abbreviations Used in Comments

AEIC	Alaska Earthquake Information Center (U.S. Geological Survey and University of Alaska), College.
APT	University of Connecticut.
BGS	British Geological Survey, Edinburgh, United Kingdom.
BLA	Virginia Polytechnic Institute and State University, Blacksburg.
BOU	University of Colorado, Boulder.
BRK	University of California, Berkeley.
BUT	Montana Bureau of Mines and Geology, Butte.
DOE	U.S. Department of Energy (formerly AEC and ERDA).
EXPLO	Some or all parameters of explosion (controlled or accidental) supplied by any group or individual other than DOE or its predecessor organizations.
GLD	U.S. Geological Survey, Golden, Colorado (other than NEIS).
GM	U.S. Geological Survey, Menlo Park, California.
GS	U.S. Geological Survey, National Earthquake Information Service (NEIS), Golden, Colorado.
HDC	Observatorio Vulcanologico y Sismologico de Costa Rica, Universidad Nacional, Heredia, Costa Rica.
HRV	Harvard University, Cambridge, Massachusetts.
HVO	Hawaiian Volcano Observatory.
JMA	Japan Meteorological Agency, Tokyo (also used to indicate 7-point Japanese Intensity Scale).
LAK	Kansas Geological Survey, University of Kansas, Lawrence.
LDG	Laboratoire de Detection et de Geophysique, Bruyeres-le-Chatel, France.
MACRO	Hypocenter based upon macroseismic information.
MD	Duration magnitude (shown as DUR prior to 1986).
MDD	Instituto Geografico Nacional, Madrid, Spain.
ME	Energy Magnitude.
MG	Contributed local or regional magnitude of unspecified type (see "Contributed Magnitudes" below).
MW	Moment Magnitude.
OTT	Geological Survey of Canada, Earth Physics Branch, Ottawa.
PAL	Columbia University, Lamont-Doherty Geological Observatory, Palisades, New York.
PAR	Institute de Physique du Globe, Universite Pierre et Marie Curie, Paris, France.
PAS	California Institute of Technology, Pasadena.
PGC	Pacific Geoscience Centre, Sidney, British Columbia, Canada.
PMR	Alaska Tsunami Warning Center, Palmer, Alaska.
PPT	Laboratoire de Geophysique, Papeete, French Polynesia.
REN	University of Nevada, Reno.
RF	Rossi-Forel Intensity Scale.
SEA	University of Washington, Seattle.
SLC	University of Utah, Salt Lake City.
SLM	St. Louis University, Missouri.
SPEC	An NEIS solution based on use of dense local networks, a local crustal model, or other methods not routinely applied in calculating the hypocenter parameters.
TEIC	Center for Earthquake Research and Information, Memphis, Tennessee.
TUL	Oklahoma Geological Survey, Leonard.
UVC	Universidad del Valle, Cali, Colombia.
WES	Weston Observatory, Massachusetts.
Roman 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 in Geological Survey Open File Report 85-714, Seismograph Station Codes and Coordinates (1985). Addenda to OF 85-714 are printed at the end of the Earthquake Data Report for this month.

Symbols Following Depth

N Indicates the depth was restrained at 33 km for earthquakes whose character on seismograms indicates a shallow focus but whose depth is not satisfactorily determined by the data.

D Indicates the depth was restrained by the computer program based on 2 or more compatible pP phases and/or unidentified secondary arrivals used as pP.

G Indicates the depth was restrained by a geophysicist.

* Indicates a less well-constrained free depth. The 90% marginal confidence interval on depth is greater than 8.5 km and less than or equal to 16.0 km.

? Indicates a poorly-constrained free depth. The 90% marginal confidence interval on depth is greater than 16.0 km.

The lack of any symbol indicates that the 90% marginal confidence interval on depth is less than or equal to 8.5 km, or that a contributed hypocenter was computed with a free depth, regardless of the size of the confidence interval.

Symbols Following Origin Time

& Indicates that parameters of the hypocenter were supplied or determined by a computational procedure not normally used by the National Earthquake Information Service (NEIS). The source or nature of the determination is indicated by a 2 to 5 letter code enclosed by angle brackets and appearing in the first line of comments. A "-P" appended to the code indicates that the computation is preliminary. These codes are included with the list of abbreviations above.

% Indicates a single network solution. A non-furnished hypocenter has been computed using data reported by 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 by 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:

$$Ms = \text{Log } (A/T) + 1.66 \text{ Log } D + 3.3$$

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 <u>not</u> 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.

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

$$MB = \text{Log } (A/T) + Q(D,h)$$

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 $D \geq 5°$.

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

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

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

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:

$$ML = \text{Log } A - \text{Log } Ao$$

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

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

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

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

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

The data used presently come from GEOSCOPE teletransmitted stations (usually 8 - 10 stations) and are available within a week after the event. The solutions are computed by the 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.

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

AUGUST 1996

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	05	30.8*	32.409	S	70.372	W	100 G				0.4	11	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
01	00	13	02.9	45.287	N	6.245	E	5 G				0.7	30	FRANCE. ML 2.7 (LDG), 2.6 (STR).
01	00	15	44.8?	27.59	S	65.29	E	10 G	4.4			0.8	18	SOUTH INDIAN OCEAN
01	01	11	42.9	3.071	S	129.656	E	33 N	4.9			1.0	48	SERAM, INDONESIA
01	01	40	48.0	36.412	N	70.285	E	204 D	4.4			1.0	29	HINDU KUSH REGION, AFGHANISTAN
01	02	06	09.4	3.453	N	96.349	E	82 *	4.8			0.8	70	NORTHERN SUMATERA, INDONESIA
01	03	36	06.0	45.587	N	97.312	E	33 N	4.8	4.7		1.2	111	MONGOLIA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:36:07.8; Lat 45.19 N; Lon 96.97 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.68, Plg=2, Azm=126; (N) Val=1.59, Plg=63, Azm=221; (P) Val=-6.27, Plg=26, Azm=35; Best double couple: Mo=5.5*10**16 Nm; NP1: Strike=174, Dip=70, Slip=-162; NP2: Strike=78, Dip=73, Slip=-21.
01	04	08	23.2	0.018	S	122.939	E	149 D	5.5			0.8	197	MINAHASSA PENINSULA, SULAWESI. Mw 5.6 (GS), 5.6 (HRV). Felt in the Gorontalo-Tolitoli area. Moment Tensor (GS): Dep 140; Principal axes (scale 10**17 Nm): (T) Val=2.72, Plg=73, Azm=289; (N) Val=0.11, Plg=16, Azm=84; (P) Val=-2.84, Plg=7, Azm=176; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=284, Dip=41, Slip=115; NP2: Strike=72, Dip=54, Slip=70. Centroid, Moment Tensor (HRV): Centroid origin time 04:08:26.0; Lat 0.07 N; Lon 123.17 E; Dep 133.3; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.25, Plg=55, Azm=260; (N) Val=0.51, Plg=35, Azm=79; (P) Val=-2.75, Plg=1, Azm=169; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=289, Dip=54, Slip=135; NP2: Strike=50, Dip=55, Slip=46.
01	04	36	22.0&	61.039	N	152.728	W	171					17	SOUTHERN ALASKA. <AEIC>.
01	04	49	18.4	27.594	S	65.712	E	10 G	5.1	4.7		0.8	63	SOUTH INDIAN OCEAN. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:49:25.8; Lat 27.59 S Fix; Lon 65.71 E Fix; Dep 15.0 Bdy; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.05, Plg=0, Azm=152; (N) Val=1.66, Plg=0, Azm=62; (P) Val=-5.70, Plg=90, Azm=180; Best double couple: Mo=4.9*10**16 Nm; NP1: Strike=242, Dip=45, Slip=-90; NP2: Strike=62, Dip=45, Slip=-90.
01	05	01	13.6*	27.614	S	65.497	E	10 G	4.2			1.0	13	SOUTH INDIAN OCEAN
01	05	44	22.7	37.398	N	104.247	W	5 G				0.9	15	COLORADO. mbLg 3.8 (GS). Felt at Trinidad.
01	05	51	57.9%	33.975	S	71.263	W	60 G				0.3	11	NEAR COAST OF CENTRAL CHILE. MD 2.8 (SAN).
01	05	55	54.1	37.378	N	104.196	W	5 G				0.8	8	COLORADO. mbLg 3.2 (GS).
01	06	00	10.8	45.982	N	6.035	E	10 G				0.8	49	FRANCE. ML 3.0 (LDG), 2.9 (STR).
01	06	44	30.1?	27.41	S	65.83	E	10 G	4.6			1.5	19	SOUTH INDIAN OCEAN
01	07	26	37.8?	22.63	N	143.92	E	33 N	4.1			0.9	12	VOLCANO ISLANDS REGION
01	07	28	43.0&	18.922	N	155.266	W	26					2	HAWAII. <HVO-P>. MD 4.0 (HVO).
01	08	16	29.5?	21.52	S	178.68	W	600 G	4.4			1.0	20	FIJI ISLANDS REGION
01	09	14	54.2*	5.793	S	147.910	E	127	4.8			0.7	18	EASTERN NEW GUINEA REG., P.N.G.
01	09	55	42.3?	20.91	S	68.81	W	129 ?	4.0			1.0	9	CHILE-BOLIVIA BORDER REGION
01	10	09	48.5*	18.628	S	169.034	E	300 G	4.4			1.1	25	VANUATU ISLANDS
01	10	23	48.3&	60.071	N	153.167	W	1					45	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
01	10	35	25.0*	8.956	S	152.859	E	33 N	4.6			1.2	24	D'ENTRECASTEAUX ISLANDS REGION
01	10	58	02.7*	12.019	N	125.875	E	33 N	4.9			0.8	26	SAMAR, PHILIPPINE ISLANDS
01	11	21	14.0*	52.094	N	171.385	W	33 N	3.7			1.1	11	FOX ISLANDS, ALEUTIAN ISLANDS
01	11	28	37.1*	52.421	N	157.989	E	33 N	4.4			1.1	23	KAMCHATKA
01	11	48	00.0*	27.554	S	65.594	E	10 G	4.5			1.1	32	SOUTH INDIAN OCEAN
01	12	14	27.4&	18.930	N	155.280	W	22					2	HAWAII. <HVO-P>. MD 4.0 (HVO).
01	12	15	49.0&	18.906	N	155.263	W	15	4.2				11	HAWAII. <HVO-P>. MD 4.3 (HVO).
01	13	02	10.3&	63.351	N	151.376	W	12					46	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
01	15	17	54.2*	27.747	S	65.436	E	10 G	4.5			1.2	17	SOUTH INDIAN OCEAN
01	17	38	04.7*	9.268	S	66.911	E	10 G	4.5	4.4		1.2	22	MID-INDIAN RIDGE
01	18	13	28.2?	27.92	S	65.49	E	10 G	4.0			0.9	9	SOUTH INDIAN OCEAN

01	18	15	05.1?	36.58	N	139.43	E	10	G			1.1	4	EASTERN HONSHU, JAPAN
01	18	38	19.5?	2.61	S	139.56	E	33	N	4.2		1.2	9	NEAR NORTH COAST OF IRIAN JAYA
01	19	10	49.5	56.111	N	164.373	E	33	N	4.2		0.9	22	KOMANDORSKY ISLANDS REGION
01	19	14	45.7?	20.96	S	177.99	W	500	G	4.0		1.1	11	FIJI ISLANDS REGION
01	19	53	29.2*	49.014	N	8.621	E	5	G			1.4	10	GERMANY. ML 2.6 (LDG).
01	20	55	01.1	55.124	N	4.686	E	10	G			1.3	12	NORTH SEA
01	21	51	47.8	17.810	S	70.623	W	74	D	5.0		1.0	99	NEAR COAST OF PERU. Mw 5.2 (HRV). Felt (IV) at Locumba; (III) at Arequipa, Candarave, Ilo, Tacna and Tarata; (II) at Mollendo and Moquegua. Centroid, Moment Tensor (HRV): Centroid origin time 21:51:50.3; Lat 18.22 S; Lon 70.84 W; Dep 97.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.79, Plg=23, Azm=98; (N) Val=0.94, Plg=30, Azm=353; (P) Val=-6.73, Plg=50, Azm=219; Best double couple: Mo=6.3*10**16 Nm; NP1: Strike=230, Dip=35, Slip=-28; NP2: Strike=344, Dip=74, Slip=-122.
01	21	56	20.7?	31.06	S	179.97	E	426	?	4.0		1.1	32	KERMADEC ISLANDS REGION
01	22	00	42.2*	13.885	N	93.030	W	33	N	4.2		1.5	25	OFF COAST OF CHIAPAS, MEXICO
01	22	13	36.8	51.909	N	159.721	E	33	N	4.3	4.2	1.0	48	OFF EAST COAST OF KAMCHATKA
01	22	39	05.2?	6.23	S	147.68	E	86	*	4.0		0.4	6	EASTERN NEW GUINEA REG., P.N.G.
02	00	17	06.1*	6.816	S	155.630	E	112	?	4.7		1.1	40	SOLOMON ISLANDS
02	00	34	38.9*	17.383	S	168.763	E	200	G	4.7		1.1	30	VANUATU ISLANDS
02	00	58	39.0*	31.820	S	70.083	W	120	G			0.4	11	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
02	01	41	10.2?	34.54	S	70.39	W	10	G			0.1	6	CHILE-ARGENTINA BORDER REGION
02	02	04	17.9&	46.076	N	2.905	E	10	G			0.3	5	FRANCE. ML 1.5 (LDG).
02	02	23	32.9&	18.877	N	155.254	W	13					2	HAWAII. <HVO-P>. MD 4.0 (HVO).
02	03	35	44.5	33.141	N	137.003	E	391		4.5		1.0	88	NEAR S. COAST OF HONSHU, JAPAN
02	03	39	20.0*	11.995	N	125.707	E	33	N	4.7		1.0	16	SAMAR, PHILIPPINE ISLANDS
02	05	38	15.5&	60.970	N	149.680	W	37					74	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC).
02	06	49	26.9&	65.197	N	148.516	W	11					20	NORTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
02	06	51	08.1?	7.57	N	77.41	W	33	N	3.8		0.9	9	PANAMA-COLOMBIA BORDER REGION
02	07	00	05.0&	45.492	N	97.544	E	33	N	3.9		1.2	15	MONGOLIA
02	07	05	09.9*	12.050	N	125.700	E	33	N	4.8		1.1	20	SAMAR, PHILIPPINE ISLANDS
02	08	43	47.4?	81.06	N	120.53	E	10	G	3.8		1.6	7	EAST OF SEVERNAYA ZEMLYA, RUSSIA
02	09	49	16.5*	8.559	S	33.239	E	10	G	4.1		1.3	6	TANZANIA
02	09	56	36.1&	44.389	N	7.385	E	10	G			0.4	5	NORTHERN ITALY. ML 1.6 (GEN).
02	10	01	10.9&	36.770	N	3.203	W	10	G			0.1	5	STRAIT OF GIBRALTAR. mbLg 2.3 (MDD).
02	10	18	56.7	1.163	N	121.566	E	33	N	4.8		1.0	32	MINAHASSA PENINSULA, SULAWESI
02	10	33	15.8&	34.231	S	70.744	W	100	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
02	11	36	12.3	29.398	N	67.695	E	33	N	4.9		1.0	77	PAKISTAN. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:36:16.2; Lat 29.29 N; Lon 67.63 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.34, Plg=60, Azm=273; (N) Val=-1.14, Plg=15, Azm=31; (P) Val=-6.20, Plg=25, Azm=128; Best double couple: Mo=6.8*10**16 Nm; NP1: Strike=247, Dip=24, Slip=129; NP2: Strike=25, Dip=72, Slip=74.
02	11	36	21.6&	37.853	N	3.797	W	10	G			0.6	5	SPAIN. mbLg 2.6 (MDD).
02	11	46	19.0&	44.980	N	122.650	W	27					47	OREGON. <SEA-P>. MD 3.3 (SEA). Felt at Estacada, Lebanon, Sandy and Silverton.
02	12	07	54.2?	22.28	S	171.25	E	75	?	5.1		1.0	48	LOYALTY ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:07:57.4; Lat 22.52 S; Lon 171.23 E; Dep 76.1; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.42, Plg=45, Azm=308; (N) Val=-0.22, Plg=35, Azm=173; (P) Val=-1.20, Plg=25, Azm=65; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=107, Dip=38, Slip=19; NP2: Strike=2, Dip=78, Slip=126.
02	12	43	25.0*	5.341	S	147.119	E	280		4.2		0.8	12	EASTERN NEW GUINEA REG., P.N.G.
02	12	55	29.3	10.769	S	161.445	E	33	N	6.2	7.1	1.1	271	SOLOMON ISLANDS. Mw 6.9 (HRV), 6.8 (GS). Me 6.8 (GS). Ms 7.1 (BRK). Felt (IV) at Honiara. Broadband Source Parameters (GS): Dep 30; NP1: Strike=125, Dip=50, Slip=130; NP2: Strike=252, Dip=54, Slip=53; Radiated energy 4.1*10**14 Nm. Complex earthquake with at least one larger event occurring about 6 seconds after the onset. Moment Tensor (GS): Dep 35; Principal axes (scale 10**19 Nm): (T) Val=1.61, Plg=60, Azm=108; (N) Val=-0.03, Plg=27, Azm=260; (P) Val=-1.57, Plg=12, Azm=356; Best double couple: Mo=1.6*10**19 Nm; NP1: Strike=117, Dip=40, Slip=134; NP2: Strike=245, Dip=62, Slip=59. Centroid, Moment Tensor (HRV): Centroid origin time 12:55:40.3; Lat 10.78 S; Lon 161.46 E; Dep 47.4; Half-duration 7.5 sec; Principal axes (scale 10**19 Nm): (T) Val=2.60, Plg=54, Azm=115; (N) Val=0.50, Plg=36, Azm=282; (P) Val=-3.10, Plg=6, Azm=17; Best double couple: Mo=2.8*10**19 Nm; NP1: Strike=139, Dip=50, Slip=139; NP2: Strike=258, Dip=60, Slip=48. Scalar Moment (PPT): Mo=4.3*10**19 Nm.
02	13	46	27.1*	10.580	S	161.251	E	33	N	4.4		1.0	23	SOLOMON ISLANDS
02	14	33	36.3?	43.40	N	146.41	E	86	?	3.8		0.9	10	KURIL ISLANDS
02	14	49	05.0?	36.19	N	141.36	E	10	G			0.4	5	NEAR EAST COAST OF HONSHU, JAPAN
02	15	29	03.5&	48.514	N	0.575	W	10	G			0.4	5	FRANCE. ML 2.4 (LDG).
02	15	44	40.7&	33.656	S	71.763	W	20	G			0.2	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
02	16	23	36.6	26.923	S	177.171	W	33	N	5.3	5.7	1.4	91	SOUTH OF FIJI ISLANDS. Mw 5.9 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:23:38.5; Lat 26.80 S; Lon 177.14 W; Dep 33.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=9.72, Plg=2, Azm=4; (N) Val=-1.04, Plg=88, Azm=190; (P) Val=-8.68, Plg=0, Azm=94; Best double couple: Mo=9.2*10**17 Nm; NP1: Strike=139, Dip=88, Slip=2; NP2: Strike=49, Dip=88, Slip=178.
02	16	44	44.3&	28.013	N	130.154	E	33	N			0.7	6	RYUKYU ISLANDS

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02  17 44 51.1* 34.554 N   83.504 E   33 N  4.3       1.4   28  XIZANG
02  17 50 21.4? 23.65  S  179.74  E  600 G  4.0       0.5    9  SOUTH OF FIJI ISLANDS
02  17 52 54.4% 33.689 S   72.008 W   10 G              0.5   10  OFF COAST OF CENTRAL CHILE. MD 3.4 (SAN).
02  18 12 16.6* 21.141 S   68.396 W  121 D  4.4       1.2   28  CHILE-BOLIVIA BORDER REGION
02  18 13 13.1  51.519 N   16.310 E    5 G              1.2    9  POLAND. ML 2.4 (CLL), 2.3 (MOX).
02  18 40 23.0% 29.050 N  130.217 E   33 N              0.5    6  RYUKYU ISLANDS
02  20 01 40.5& 18.881 N  155.256 W   14       3.9             8  HAWAII. <HVO-P>. MD 4.3 (HVO).
02  20 09 11.6& 18.895 N  155.253 W   13                       1  HAWAII. <HVO-P>. MD 3.8 (HVO).
02  20 25 38.8* 18.994 N  145.456 E  244 D  4.0       1.3   31  MARIANA ISLANDS
02  20 36 37.3% 32.003 N  129.826 E   10 G              0.3    5  KYUSHU, JAPAN
02  20 53 10.2* 73.248 N    6.795 E   10 G  3.8       1.6   10  GREENLAND SEA
02  21 07 04.0? 21.49  N   94.48  E  100 G  3.5       0.4    6  MYANMAR
02  21 20 51.0   4.337 S  134.798 E   33 N  4.8       1.3   34  IRIAN JAYA REGION, INDONESIA
02  22 55 35.2*  7.575 N  127.277 E   33 N  4.4       1.5   18  PHILIPPINE ISLANDS REGION
02  23 00 09.5  73.085 N    6.412 E   10 G  3.9       0.8    9  GREENLAND SEA
02  23 18 29.5? 35.31  N  136.36  E   33 N              0.3    4  WESTERN HONSHU, JAPAN
02  23 59 56.3* 20.755 N  121.050 E   33 N  4.3       1.1   10  PHILIPPINE ISLANDS REGION
03  00 14 18.7  23.891 N  142.657 E   33 N  5.0 4.5    0.9   90  VOLCANO ISLANDS REGION
03  01 07 49.3* 18.216 N  111.197 W   10 G  4.4 4.1    1.0   33  REVILLA GIGEDO ISLANDS REGION
03  01 41 05.6& 64.900 N  149.607 W   17                       17  CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
03  02 53 27.6  40.431 N    1.407 W   10 G              1.2   70  SPAIN. ML 3.7 (LDG), 3.6 (STR). mbLg 3.6 (MDD). Felt (III)
                                                                  in the Albarracin area.
03  03 35 42.5*  8.352 S  113.729 E   33 N  4.4       1.1   24  JAWA, INDONESIA
03  03 42 10.7* 52.132 N  158.243 E   33 N  4.2       0.8    9  NEAR EAST COAST OF KAMCHATKA
03  04 45 53.6  73.184 N    6.356 E   10 G  4.6 4.3    1.2   89  GREENLAND SEA
03  05 02 57.2% 73.060 N    6.509 E   10 G  3.5       0.6    5  GREENLAND SEA
03  05 09 10.9* 24.085 S   66.761 W  187 *  4.1       1.0   24  SALTA PROVINCE, ARGENTINA
03  05 22 05.8? 30.86  S  176.54  W   33 N  4.4       1.4    9  KERMADEC ISLANDS REGION
03  05 24 34.9* 73.370 N    6.473 E   10 G  4.4       1.5   21  GREENLAND SEA
03  05 40 03.5% 37.786 N  139.200 E   10 G              0.6    5  EASTERN HONSHU, JAPAN
03  06 15 16.4  44.517 N  114.144 W    5 G  4.0       0.9   77  WESTERN IDAHO. ML 4.3 (GS). MD 4.3 (SEA). Felt at Challis
                                                                  and Salmon.
03  07 12 06.4% 30.076 N   88.255 E   33 N  4.1       0.5   13  XIZANG
03  07 30 16.9?  3.87  S  103.96  W   10 G  4.3 3.9    0.8   12  CENTRAL EAST PACIFIC RISE
03  07 40 42.6* 18.567 S  175.706 W  200 G  4.0       0.9   30  TONGA ISLANDS
03  09 01 28.5* 54.800 N  163.080 W   33 N  3.3       0.5    6  UNIMAK ISLAND REGION
03  09 04 20.8& 18.908 N  155.258 W   14                       1  HAWAII. <HVO-P>. MD 3.8 (HVO).
03  09 32 27.9? 40.30  N    1.57  W   10 G              0.4    4  SPAIN. mbLg 2.6 (MDD).
03  09 51 38.8  27.530 S   65.627 E   10 G  4.8       1.0   56  SOUTH INDIAN OCEAN
03  10 06 26.9  40.466 N    1.475 W   10 G  4.0       1.1  104  SPAIN. ML 4.4 (LDG). mbLg 4.1 (MDD). Felt (IV) in the
                                                                  Albarracin area.
03  10 22 39.4? 17.62  S  178.79  W  553 ?  4.2       0.9   30  FIJI ISLANDS REGION
03  10 48 28.3  46.363 N    7.469 E   10 G              1.0   67  SWITZERLAND. ML 3.1 (LDG), 3.1 (STR).
03  10 51 26.6* 24.980 N  125.782 E   51 *  4.2       1.1   14  SOUTHWESTERN RYUKYU ISLANDS
03  10 56 56.1* 27.567 S   65.658 E   10 G  4.5       0.9   22  SOUTH INDIAN OCEAN
03  11 13 56.7  54.128 N  163.115 W   33 N  4.4       0.9   51  UNIMAK ISLAND REGION
03  11 35 41.4% 40.381 N    1.389 W   10 G              1.1    5  SPAIN. mbLg 2.9 (MDD).
03  11 37 50.0% 37.199 N    3.712 W   10 G              0.5    7  SPAIN. mbLg 2.5 (MDD).
03  11 37 59.8% 40.351 N    1.455 W   10 G              0.2    6  SPAIN. mbLg 3.2 (MDD).
03  11 54 49.3% 45.962 N    6.066 E   10 G              1.5    9  FRANCE. ML 2.0 (LDG).
03  11 55 21.3? 40.40  N    1.40  W   10 G              0.1    4  SPAIN. mbLg 2.4 (MDD).
03  11 59 00.0% 40.381 N    1.456 W   10 G              1.1    9  SPAIN. mbLg 2.9 (MDD).
03  12 11 25.0   4.158 S  143.562 E  150       4.1       0.8   21  NEW GUINEA, PAPUA NEW GUINEA
03  12 28 56.6*  2.483 N  126.746 E   33 N  4.4       0.9   24  NORTHERN MOLUCCA SEA
03  12 32 47.7* 58.747 N  157.999 E   10 G  3.8       0.5    6  KAMCHATKA
03  12 50 13.9& 62.826 N  148.861 W   61                      23  CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
03  13 02 37.5? 17.27  N   60.80  W   33 N  4.1       0.5    9  LEEWARD ISLANDS
03  13 09 08.1? 58.53  N  157.85  E   10 G  3.9       1.3    7  KAMCHATKA
03  13 33 24.2* 30.761 N   79.029 E   33 N  3.9       1.0   10  XIZANG-INDIA BORDER REGION
03  14 06 00.5  48.478 N  153.715 E  111 D  4.4       0.7   50  KURIL ISLANDS
03  14 54 59.9? 18.27  S  175.35  W  200 G  4.2       0.9    8  TONGA ISLANDS
03  15 20 45.9  38.045 N  139.496 E   10 G  3.5       0.7   11  NEAR WEST COAST OF HONSHU, JAPAN
03  15 21 07.2* 20.614 S  178.802 W  600 G  4.2       0.9   19  FIJI ISLANDS REGION
03  15 35 41.9  44.959 N   11.318 E   20 G              1.2   89  NORTHERN ITALY. ML 4.1 (GRF), 3.9 (STR), 3.9 (VIE), 3.6
                                                                  (LDG).
03  18 21 32.3* 46.384 N    2.889 W   10 G              0.8   17  BAY OF BISCAY. ML 3.0 (LDG).
03  19 05 38.2& 60.823 N  151.623 W   77                      12  KENAI PENINSULA, ALASKA. <AEIC>.
03  19 56 36.0* 34.782 N   70.772 E   46 *  3.7       0.8   12  AFGHANISTAN
03  20 55 14.4  34.317 N   28.265 E   33 N  3.9       0.9   24  EASTERN MEDITERRANEAN SEA
03  22 04 14.4   8.766 S  125.292 E   33 N  4.5       1.1   28  TIMOR REGION, INDONESIA
03  22 20 26.8% 31.599 N  131.862 E   10 G              0.6    9  KYUSHU, JAPAN
03  22 43 54.5  40.320 N    1.484 W   10 G              1.3   10  SPAIN. mbLg 2.7 (MDD). ML 2.5 (LDG).
03  23 14 32.2? 36.74  N   71.07  E  200 G  3.7       1.8   11  AFGHANISTAN-TAJIKISTAN BORD REG.
03  23 27 14.9*  8.905 S  123.088 E   33 N  4.0       1.2    9  FLORES REGION, INDONESIA
04  01 43 43.1*  6.043 N  124.100 E   33 N  4.5       1.0   12  MINDANAO, PHILIPPINE ISLANDS
04  02 07 00.2* 51.122 N  178.161 E   33 N  4.1 4.4    0.8   17  RAT ISLANDS, ALEUTIAN ISLANDS
04  02 52 48.8& 59.991 N  141.391 W    3                      38  SOUTHEASTERN ALASKA. <AEIC>. ML 3.0 (AEIC).
04  03 54 43.5   9.291 N  126.348 E   33 N  4.8 4.3    1.0   47  MINDANAO, PHILIPPINE ISLANDS
04  04 20 26.9?  8.62  S  110.20  E  100 G  3.6       0.8    9  JAWA, INDONESIA
04  05 22 15.7   2.941 N  126.436 E   33 N  4.8       0.8   44  NORTHERN MOLUCCA SEA
04  06 04 50.2% 44.039 N    9.775 E    5 G              0.6    9  NORTHERN ITALY. ML 2.5 (LDG).
04  06 48 32.9   7.758 S  128.671 E   33 N  5.0       1.0   94  BANDA SEA. Mw 5.1 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   06:48:41.1; Lat 7.76 S Fix; Lon 128.67 E Fix; Dep 33.0 Fix;
                                                                   Half-duration 1.0 sec; Principal axes (scale 10**16 Nm):
                                                                   (T) Val=5.55, Plg=7, Azm=270; (N) Val=0.66, Plg=0, Azm=180;
                                                                   (P) Val=-6.21, Plg=83, Azm=90; Best double couple:
                                                                   Mo=5.9*10**16 Nm; NP1: Strike=0, Dip=38, Slip=-90; NP2:
                                                                   Strike=180, Dip=52, Slip=-90.
04  06 56 08.4* 16.362 S  177.788 W  500 G  4.2       0.9   22  FIJI ISLANDS REGION
04  07 02 44.1% 31.563 N  131.907 E   33 N              0.5    5  KYUSHU, JAPAN
04  08 12 42.6* 22.087 N  144.242 E   68 ?  4.0       0.7   22  VOLCANO ISLANDS REGION
04  09 41 04.7% 36.874 N    3.581 W   10 G              0.6    5  STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
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04	09	51	57.1%	27.480	S	65.884	E	10	G	4.0		0.8	11	SOUTH INDIAN OCEAN
04	10	08	47.1%	40.008	N	20.775	E	10	G	3.7		1.0	17	GREECE-ALBANIA BORDER REGION
04	10	35	10.2*	18.054	S	69.341	W	136	D	4.2		0.9	15	NORTHERN CHILE
04	10	44	18.4?	33.35	S	72.19	W	15	G			0.6	10	OFF COAST OF CENTRAL CHILE
04	11	14	34.2*	22.385	S	68.803	W	95	D	4.6		1.2	42	NORTHERN CHILE. Felt (III) at Calama and Chuquicamata.
04	12	47	09.1?	18.44	S	169.02	E	300	G	3.9		1.4	21	VANUATU ISLANDS
04	12	58	24.1*	35.050	N	23.818	E	33	N	3.5		1.0	10	CRETE
04	13	51	28.3	26.419	N	93.064	E	33	N	4.3		0.9	27	NORTHEASTERN INDIA
04	14	37	33.2?	2.36	S	139.91	E	33	N	3.8		1.4	8	NEAR NORTH COAST OF IRIAN JAYA
04	15	39	37.3	5.803	N	124.717	E	116	?	4.8		1.2	65	MINDANAO, PHILIPPINE ISLANDS
04	17	41	14.7	37.606	N	21.156	E	33	N	4.2		1.2	49	SOUTHERN GREECE
04	18	33	18.4	44.107	N	7.135	E	10	G			0.6	10	NORTHERN ITALY. ML 1.9 (LDG), 1.8 (GEN).
04	19	02	02.0	51.582	N	159.206	E	33	N	4.0		0.6	18	OFF EAST COAST OF KAMCHATKA
04	19	10	32.4&	62.490	N	151.186	W	92					85	CENTRAL ALASKA. <AEIC>.
04	19	59	58.3*	27.471	S	179.859	W	501	?	4.4		0.9	45	KERMADEC ISLANDS REGION
04	21	42	57.9?	34.85	S	108.42	W	10	G	4.4		1.0	11	SOUTHERN EAST PACIFIC RISE
04	21	51	55.0?	16.01	N	79.85	E	10	G	4.1		0.8	8	SOUTHERN INDIA. Felt at Chilakalurupet, Nekarikallu and Vinukonda.
04	22	19	20.5*	52.185	N	171.228	W	33	N	4.0		1.0	10	FOX ISLANDS, ALEUTIAN ISLANDS
04	22	57	58.8*	22.816	S	68.368	W	100	G	4.2		1.1	7	NORTHERN CHILE
04	23	47	49.9?	25.16	S	179.73	E	600	G	4.1		0.7	14	SOUTH OF FIJI ISLANDS
04		52	28.2	40.062	N	143.540	E	33	N	5.2	4.6	0.8	133	OFF EAST COAST OF HONSHU, JAPAN
05	00	45	[illegible]	[illegible]	N	161.550	E	33	N	5.1	4.8	0.8	238	NEAR EAST COAST OF KAMCHATKA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00[illegible]3; Lat 54.36 N; Lon 162.17 E; Dep 41.7; Half-dur[illegible].2 sec; Principal axes (scale 10**17 Nm): (T) Val=1[illegible] Plg=80, Azm=325; (N) Val=0.15, Plg=4, Azm=214; (P) Val=-1.43, Plg=9, Azm=123; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=208, Dip=36, Slip=84; NP2: Strike=36, Dip=54, Slip=95.
05	01	18	26.0?	3.43	S	152.35	E	33	N	3.6		1.5	7	NEW IRELAND REGION, P.N.G.
05	01	34	06.9*	36.474	N	70.862	E	215	D	3.9		1.1	15	HINDU KUSH REGION, AFGHANISTAN
05	01	41	13.8?	50.09	S	119.75	E	10	G	4.4		0.8	7	SOUTH OF AUSTRALIA
05	02	07	16.2?	20.31	S	175.21	W	33	N	4.4		0.8	7	TONGA ISLANDS
05	02	08	58.2	15.267	S	173.126	W	41	G	6.0	6.7	1.4	319	TONGA ISLANDS. Mw 6.7 (HRV), 6.6 (GS). Me 6.0 (GS). Ms 6.8 (BRK). Felt (III) at Apia, Western Samoa. Broadband Source Parameters (GS): Dep 42; NP1: Strike=130, Dip=73, Slip=-60; NP2: Strike=247, Dip=34, Slip=-149; Radiated energy 2.3*10**13 Nm. Moment Tensor (GS): Dep 47; Principal axes (scale 10**19 Nm): (T) Val=0.99, Plg=18, Azm=237; (N) Val=0.02, Plg=2, Azm=146; (P) Val=-1.01, Plg=72, Azm=49; Best double couple: Mo=1.0*10**19 Nm; NP1: Strike=330, Dip=28, Slip=-85; NP2: Strike=145, Dip=63, Slip=-93. Centroid, Moment Tensor (HRV): Centroid origin time 02:09:07.7; Lat 15.27 S; Lon 172.76 W; Dep 53.8; Half-duration 5.3 sec; Principal axes (scale 10**19 Nm): (T) Val=1.14, Plg=16, Azm=199; (N) Val=-0.04, Plg=19, Azm=295; (P) Val=-1.10, Plg=65, Azm=71; Best double couple: Mo=1.1*10**19 Nm; NP1: Strike=263, Dip=33, Slip=-126; NP2: Strike=124, Dip=64, Slip=-69. Scalar Moment (PPT): Mo=1.2*10**19 Nm.
05	02	24	23.0*	15.231	S	173.286	W	33	N	4.7		0.9	37	TONGA ISLANDS
05	02	24	58.5*	12.333	S	76.679	W	85		4.0		1.0	15	NEAR COAST OF PERU. Felt (III) at Lima, Mala and San Vicente de Canete; (II) at Chincha Alta.
05	03	45	06.8?	36.84	S	179.39	W	33	N	4.6		1.4	20	EAST OF NORTH ISLAND, N.Z.
05	05	13	34.0?	37.83	N	20.16	E	33	N	3.8		1.5	8	IONIAN SEA
05	05	32	04.7?	34.45	S	71.25	W	60	G			0.2	7	NEAR COAST OF CENTRAL CHILE
05	05	53	48.9*	33.823	N	137.393	E	329		3.3		0.7	10	NEAR S. COAST OF HONSHU, JAPAN
05	06	16	13.0	56.224	N	160.376	W	100	G	3.8		0.8	25	ALASKA PENINSULA
05	06	20	15.3?	23.77	S	66.89	W	217	?	3.2		1.3	5	JUJUY PROVINCE, ARGENTINA
05	06	37	28.6?	36.66	N	141.49	E	33	N			0.7	5	NEAR EAST COAST OF HONSHU, JAPAN
05	07	26	26.7&	33.830	N	116.199	W	8					3	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.8 (PAS).
05	08	20	21.1?	14.59	N	45.10	W	10	G	4.2		0.7	7	NORTHERN MID-ATLANTIC RIDGE
05	08	42	59.8?	14.56	N	45.00	W	10	G	4.5		0.9	8	NORTHERN MID-ATLANTIC RIDGE
05	09	10	50.3*	36.930	N	32.919	W	10	G	4.1	4.1	0.8	10	AZORES ISLANDS REGION
05	09	24	56.0?	1.50	S	80.43	W	33	N	4.2		0.9	9	NEAR COAST OF ECUADOR
05	09	48	43.1&	67.571	N	149.171	W	36					32	NORTHERN ALASKA. <AEIC>. ML 3.3 (AEIC).
05	10	00	54.4&	34.627	N	118.643	W	6					52	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.0 (PAS). ML 3.0 (GS). Felt.
05	10	03	13.1&	34.626	N	118.641	W	5					27	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.7 (PAS). ML 2.8 (GS). Felt.
05	10	37	47.8&	63.278	N	151.443	W	8					14	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
05	10	54	44.2	56.162	N	164.161	E	33	N	4.8		0.7	93	KOMANDORSKY ISLANDS REGION
05	11	12	24.0?	16.90	N	105.09	W	33	N	3.7	3.6	1.0	9	OFF COAST OF MICHOACAN, MEXICO
05	13	26	13.2*	5.755	S	150.417	E	124	?	4.2		0.9	16	NEW BRITAIN REGION, P.N.G.
05	13	40	28.3*	5.726	S	153.527	E	33	N	4.1		0.7	9	NEW IRELAND REGION, P.N.G.
05	13	51	58.2%	38.652	N	0.733	E	10	G			0.9	5	SPAIN. mbLg 3.0 (MDD).
05	14	54	55.5	53.510	N	157.785	E	143	?	4.6		0.9	56	KAMCHATKA
05	15	04	58.1?	38.91	S	92.18	W	10	G	4.1		1.9	5	WEST CHILE RISE
05	15	34	40.3*	34.581	N	135.662	E	391		3.7		0.6	7	NEAR S. COAST OF WESTERN HONSHU
05	16	52	07.7	0.126	N	123.757	E	147	?	4.3		0.9	28	MINAHASSA PENINSULA, SULAWESI
05	16	59	46.4?	34.53	S	70.35	W	5	G			0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
05	17	01	05.2*	15.293	S	173.332	W	33	N	4.9	5.0	1.2	44	TONGA ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:01:07.6; Lat 15.52 S; Lon 172.50 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.48, Plg=45, Azm=340; (N) Val=0.16, Plg=37, Azm=200; (P) Val=-1.63, Plg=21, Azm=93; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=138, Dip=40, Slip=22; NP2: Strike=31, Dip=76, Slip=128.
05	17	55	51.1*	37.113	N	135.532	E	369	*	3.4		0.6	12	SEA OF JAPAN
05	18	41	15.5?	22.48	N	121.55	E	33	N	3.7	3.8	1.8	7	TAIWAN REGION

05	18	59	16.7?	34.49	S	70.40	W	10	G			0.1	6	CHILE-ARGENTINA BORDER REGION
05	19	04	32.9?	84.42	N	2.77	W	10	G	3.8		0.7	10	NORTH OF SVALBARD
05	19	08	32.8*	14.477	N	120.089	E	33	N	3.6		0.6	8	LUZON, PHILIPPINE ISLANDS
05	19	14	47.2*	22.534	S	175.269	W	33	N	4.6		1.1	26	TONGA ISLANDS REGION
05	19	15	17.1%	37.511	N	2.633	W	10	G			0.5	9	SPAIN. mbLg 2.4 (MDD).
05	20	04	37.6*	75.450	N	14.575	E	10	G	4.2		1.1	7	SVALBARD REGION
05	20	11	15.7&	37.940	N	118.152	W	2					9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
05	20	21	11.9%	7.072	S	120.242	E	500	G	3.6		0.6	8	FLORES SEA
05	20	27	40.5*	5.720	S	106.758	W	10	G	4.6	4.9	1.4	26	CENTRAL EAST PACIFIC RISE. Mw 5.3 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 20:27:42.2; Lat 6.07 S; Lon 107.16 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.13, Plg=7, Azm=140; (N) Val=-0.08, Plg=77, Azm=264; (P) Val=-1.05, Plg=10, Azm=48; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=184, Dip=78, Slip=-178; NP2: Strike=94, Dip=88, Slip=-12.
05	20	32	06.9	29.068	N	139.524	E	406		4.5		1.1	68	SOUTH OF HONSHU, JAPAN
05	21	17	00.2%	9.364	S	153.970	E	33	N	4.2		0.7	14	D'ENTRECASTEAUX ISLANDS REGION
05	21	18	13.8&	65.186	N	149.450	W	37					27	NORTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR). Felt at Goldstream Valley.
05	21	39	16.2	1.996	S	81.001	W	33	N	5.7	5.9	1.0	308	OFF COAST OF ECUADOR. Mw 6.3 (GS), 6.3 (HRV). Me 6.0 (GS). Ms 5.7 (BRK). Felt in Guayas and Manabi Provinces.
														Broadband Source Parameters (GS): Dep 16; Radiated energy 1.9*10**13 Nm.
														Moment Tensor (GS): Dep 7; Principal axes (scale 10**18 Nm): (T) Val=2.97, Plg=55, Azm=70; (N) Val=-0.02, Plg=5, Azm=168; (P) Val=-2.95, Plg=35, Azm=261; Best double couple: Mo=3.0*10**18 Nm; NP1: Strike=16, Dip=11, Slip=119; NP2: Strike=167, Dip=80, Slip=84.
														Centroid, Moment Tensor (HRV): Centroid origin time 21:39:19.3; Lat 2.10 S; Lon 81.08 W; Dep 16.0 Bdy; Half-duration 3.5 sec; Principal axes (scale 10**18 Nm): (T) Val=3.31, Plg=61, Azm=86; (N) Val=0.06, Plg=1, Azm=355; (P) Val=-3.37, Plg=29, Azm=265; Best double couple: Mo=3.3*10**18 Nm; NP1: Strike=353, Dip=16, Slip=88; NP2: Strike=175, Dip=74, Slip=91.
														Scalar Moment (PPT): Mo=4.7*10**18 Nm.
05	22	15	35.8?	22.85	N	68.42	E	23	D	3.8		1.1	8	SOUTHERN INDIA
05	22	35	06.8	15.647	S	167.733	E	133	D	5.0		1.0	130	VANUATU ISLANDS. Felt on Santo.
05	22	38	22.0	20.690	S	178.310	W	550	D	6.4		0.9	508	FIJI ISLANDS REGION. Mw 7.4 (HRV), 7.3 (GS). Me 7.0 (GS). mb 6.8 (BRK). Felt (II) on Raoul, Kermadec Islands.
														Broadband Source Parameters (GS): Radiated energy 7.4*10**14 Nm.
														Moment Tensor (GS): Dep 545; Principal axes (scale 10**20 Nm): (T) Val=0.88, Plg=22, Azm=126; (N) Val=0.18, Plg=5, Azm=218; (P) Val=-1.06, Plg=67, Azm=320; Best double couple: Mo=9.7*10**19 Nm; NP1: Strike=206, Dip=23, Slip=-103; NP2: Strike=40, Dip=68, Slip=-85.
														Centroid, Moment Tensor (HRV): Centroid origin time 22:38:31.2; Lat 20.72 S; Lon 178.16 W; Dep 555.0; Half-duration 11.4 sec; Principal axes (scale 10**20 Nm): (T) Val=1.30, Plg=25, Azm=131; (N) Val=0.12, Plg=3, Azm=222; (P) Val=-1.42, Plg=64, Azm=319; Best double couple: Mo=1.4*10**20 Nm; NP1: Strike=213, Dip=20, Slip=-99; NP2: Strike=43, Dip=70, Slip=-87.
														Scalar Moment (PPT): Mo=1.5*10**20 Nm.
05	22	46	42.4	40.098	N	20.638	E	10	G	5.1		1.2	201	GREECE-ALBANIA BORDER REGION. ML 5.1 (THE). Some damage to buildings at Konitsa, Greece.
05	23	04	16.9&	58.022	N	153.839	W	73					13	KODIAK ISLAND REGION. <AEIC>.
05	23	21	39.6?	40.41	N	1.36	W	10	G			0.8	4	SPAIN. mbLg 2.6 (MDD).
05	23	28	34.0%	46.587	N	1.212	E	5	G			1.3	8	FRANCE. ML 2.3 (LDG).
05	23	37	15.3%	12.251	N	125.535	E	33	N	3.8		0.9	10	SAMAR, PHILIPPINE ISLANDS
05	23	49	15.5	40.341	N	1.430	W	10	G			1.1	14	SPAIN. mbLg 2.8 (MDD). ML 2.7 (LDG). Felt (III) in the Albarracin area.
05	23	58	40.8?	39.60	N	20.49	E	10	G	3.2		0.9	8	GREECE-ALBANIA BORDER REGION
06	00	01	21.6*	25.178	S	177.780	W	205	D	4.0		1.1	22	SOUTH OF FIJI ISLANDS
06	00	29	02.1*	20.697	S	178.434	W	500	G	4.6		1.1	56	FIJI ISLANDS REGION
06	00	35	45.3%	30.790	N	139.940	E	160	*	3.7		1.2	10	SOUTH OF HONSHU, JAPAN
06	00	49	12.8?	19.90	S	178.53	W	500	G	3.9		1.2	10	FIJI ISLANDS REGION
06	00	59	43.3*	16.984	S	70.083	W	146	*	3.9		1.2	11	SOUTHERN PERU
06	02	07	41.2?	36.83	N	6.93	W	10	G			0.3	5	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
06	02	32	57.3?	20.65	S	178.25	W	500	G	4.1		1.3	15	FIJI ISLANDS REGION
06	03	04	32.1	24.898	N	95.279	E	125	D	4.5		0.7	72	MYANMAR
06	03	33	53.2*	13.429	N	146.108	E	66	?	4.3		1.0	20	SOUTH OF MARIANA ISLANDS
06	03	48	59.0&	59.177	N	153.120	W	14					29	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
06	04	03	38.7&	59.167	N	153.075	W	13					28	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
06	04	14	36.0*	6.765	S	147.441	E	73	*	4.4		0.8	17	EASTERN NEW GUINEA REG., P.N.G.
06	05	20	56.5?	20.66	S	178.32	W	500	G	4.1		1.2	13	FIJI ISLANDS REGION
06	06	21	04.0*	25.350	N	95.540	E	100	G	3.9		0.9	13	MYANMAR-INDIA BORDER REGION
06	06	29	32.4	38.794	N	118.706	W	5	G			0.8	45	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (GS), 3.5 (BRK).
06	10	13	14.3	21.356	S	175.461	W	33	N	5.4	4.8	1.0	100	TONGA ISLANDS. Mw 5.6 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 10:13:22.0; Lat 21.20 S; Lon 174.94 W; Dep 43.8; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=3.32, Plg=51, Azm=87; (N) Val=-0.44, Plg=4, Azm=182; (P) Val=-2.87, Plg=39, Azm=275; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=33, Dip=7, Slip=121; NP2: Strike=182, Dip=84, Slip=86.
06	10	26	30.6	35.095	N	27.783	E	33	N	4.3		1.4	58	DODECANESE ISLANDS
06	10	28	37.0?	36.00	N	69.99	E	152	?	3.9		0.9	9	HINDU KUSH REGION, AFGHANISTAN
06	10	32	23.6?	20.55	S	178.32	W	500	G	3.8		1.0	10	FIJI ISLANDS REGION
06	11	52	11.5&	34.079	N	116.782	W	13					36	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.4 (PAS). ML 3.3 (GS). Felt in the Banning area.

06	15	08	24.1	28.607	S	67.535	W	33	N	5.0	4.2	0.8	57	LA RIOJA PROVINCE, ARGENTINA. Felt (III) in the Famatina area.
06	15	25	04.4*	21.631	N	143.167	E	339	*	3.7		0.9	14	MARIANA ISLANDS REGION
06	16	25	37.6?	32.07	S	70.59	W	100	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
06	16	56	39.1*	41.342	N	48.325	E	33	N	3.9		0.8	12	EASTERN CAUCASUS
06	17	01	35.7	7.171	N	75.258	W	76	*	4.4		1.1	30	NORTHERN COLOMBIA
06	19	59	18.4&	33.783	S	71.067	W	60	G			0.2	7	NEAR COAST OF CENTRAL CHILE
06	20	10	39.3	6.119	S	149.180	E	33	N	4.9	4.4	1.3	45	NEW BRITAIN REGION, P.N.G.
06	20	27	19.6	27.676	N	53.012	E	33	N	4.8	3.9	0.7	114	SOUTHERN IRAN
06	20	38	47.0?	33.13	S	72.22	W	10	G			0.4	10	OFF COAST OF CENTRAL CHILE. MD 3.4 (SAN).
06	20	54	27.5*	27.672	N	53.066	E	33	N	4.1		0.8	17	SOUTHERN IRAN
06	20	58	29.2&	5.519	S	129.300	E	200	G	4.0		1.3	8	BANDA SEA
06	21	35	17.1*	6.816	N	73.156	W	177	*	4.3		0.7	15	NORTHERN COLOMBIA
06	22	41	24.7*	20.586	S	178.643	W	600	G	4.3		0.4	16	FIJI ISLANDS REGION
06	23	45	53.7*	38.400	N	21.893	E	33	N	3.8		1.1	22	GREECE. ML 3.5 (ROM). Felt in Akhaia and Aitolia kai Akarnania.
07	00	50	52.4	14.898	S	179.012	W	367	*	4.3		0.9	51	FIJI ISLANDS REGION
07	01	03	00.7?	36.74	N	4.66	W	50	G			0.4	5	STRAIT OF GIBRALTAR
07	01	21	30.2*	37.207	N	134.473	E	350	G	3.5		0.7	9	SEA OF JAPAN
07	01	30	47.0&	62.028	N	151.336	W	82					77	CENTRAL ALASKA. <AEIC>.
07	02	02	09.1&	18.889	N	155.250	W	14		4.0			3	HAWAII. <HVO-P>. MD 4.3 (HVO).
07	02	12	08.4&	60.091	N	153.089	W	119					58	SOUTHERN ALASKA. <AEIC>.
07	02	39	45.3*	23.695	S	179.936	E	522	?	4.2		1.1	35	SOUTH OF FIJI ISLANDS
[illegible]				34.45	S	70.47	W	5	G			0.8	9	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
07	03	55	14.6?	24.60	S	179.17	W	500	[illegible]			0.5	9	SOUTH OF FIJI ISLANDS
07	07	06	21.2	12.202	N	126.427	E	33	N	4.6		1.3	31	PHILIPPINE ISLANDS REGION
07	07	21	01.7?	1.29	N	119.72	E	33	N	4.3		1.1	8	CELEBES SEA
07	08	03	44.4*	30.139	N	87.979	E	33	N	3.9		1.2	13	XIZANG
07	08	24	31.8*	18.123	S	175.235	W	200	G	4.3		0.8	17	TONGA ISLANDS
07	08	57	43.8	53.196	N	159.400	E	101	D	4.3		1.0	44	NEAR EAST COAST OF KAMCHATKA
07	10	00	13.1*	8.995	N	127.449	E	61	?	4.6		1.2	30	PHILIPPINE ISLANDS REGION
07	12	21	50.3&	35.743	N	117.626	W	5					10	CENTRAL CALIFORNIA. <PAS-P>. MD 2.8 (PAS).
07	12	59	02.0*	3.916	N	128.099	E	137	?	4.7		1.1	29	NORTH OF HALMAHERA, INDONESIA
07	13	29	01.1*	51.474	N	16.372	E	5	G			1.7	6	POLAND. MG 2.9 (WAR).
07	14	36	33.6	23.907	N	96.772	E	85	*	4.3		0.8	22	MYANMAR
07	14	39	56.6	5.968	S	146.232	E	32		4.8	4.3	1.0	37	EASTERN NEW GUINEA REG., P.N.G. ML 5.0 (PMG).
07	15	13	47.6?	25.07	S	179.65	E	600	G	4.1		1.1	12	SOUTH OF FIJI ISLANDS
07	15	29	02.7*	18.943	S	173.519	W	33	N	4.7		1.0	26	TONGA ISLANDS
07	15	47	48.7&	61.855	N	147.785	W	34					65	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 2.9 (PMR).
07	15	57	04.0&	42.843	N	7.092	W	20	G			0.7	6	SPAIN. mbLg 3.0 (MDD). Felt (III) in the Becerrea area.
07	16	11	24.8*	9.795	N	69.609	W	33	N	3.9		0.6	10	VENEZUELA
07	16	31	27.3&	33.078	N	131.325	E	33	N			1.3	5	KYUSHU, JAPAN
07	16	38	42.4	24.465	S	69.978	W	53	D	4.3		0.8	24	NORTHERN CHILE. Felt (III) in the Cerro Paranal area.
07	16	55	13.6&	44.799	N	6.648	E	10	G			0.5	6	FRANCE. ML 1.8 (GEN).
07	17	18	11.4	39.254	N	143.112	E	10	G	3.6		0.7	14	OFF EAST COAST OF HONSHU, JAPAN
07	17	50	24.7&	42.805	N	7.125	W	20	G			0.9	6	SPAIN. mbLg 2.9 (MDD). Felt (III) in the Becerrea area.
07	18	51	10.3*	58.665	N	157.735	E	10	G	4.0		0.7	15	KAMCHATKA
07	18	51	56.0*	58.694	N	157.682	E	10	G	4.1		0.8	17	KAMCHATKA
07	19	29	28.8&	59.648	N	153.588	W	113					49	SOUTHERN ALASKA. <AEIC>.
07	20	26	55.2?	27.47	S	65.57	E	10	G	4.3		0.9	7	SOUTH INDIAN OCEAN
07	20	42	55.2*	29.990	N	88.114	E	33	N	3.8		0.5	16	XIZANG
07	21	14	10.6*	52.244	N	159.385	E	33	N	3.7		1.0	10	OFF EAST COAST OF KAMCHATKA
07	21	17	26.7?	5.27	S	136.12	E	33	N	4.0		1.1	10	IRIAN JAYA REGION, INDONESIA
07	21	26	13.7*	28.023	N	108.390	E	33	N	4.0		0.8	16	SICHUAN, CHINA
07	22	08	03.1?	33.88	N	135.33	E	420	*	3.2		1.2	10	NEAR S. COAST OF WESTERN HONSHU
07	22	21	13.1&	33.174	N	115.601	W	5					3	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.8 (PAS).
07	22	54	13.9&	37.346	N	121.712	W	8					5	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
07	23	33	17.7	20.887	S	68.640	W	112	D	4.2		1.3	29	CHILE-BOLIVIA BORDER REGION
07	23	34	24.3?	1.79	N	126.28	E	33	N	4.3		1.2	10	NORTHERN MOLUCCA SEA
08	00	52	34.4?	9.47	S	118.28	E	33	N	4.3		1.7	12	SUMBAWA REGION, INDONESIA
08	01	19	34.7*	22.135	S	63.719	W	531	*	3.9		0.7	9	SALTA PROVINCE, ARGENTINA
08	01	52	04.6	36.309	N	27.629	E	33	N	3.5		1.0	19	DODECANESE ISLANDS
08	02	09	39.8*	37.275	N	49.873	E	33	N	4.0		0.6	8	CASPIAN SEA. Felt in the Rasht area, Iran.
08	02	15	36.7*	2.026	S	79.218	W	119	*	4.5		1.2	44	NEAR COAST OF ECUADOR
08	02	34	50.3&	61.107	N	150.812	W	11					52	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
08	03	24	48.1?	18.97	S	173.59	W	162	?	4.1		1.0	20	TONGA ISLANDS
08	05	15	11.6&	59.734	N	150.471	W	49					68	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
08	06	11	49.7*	44.167	N	146.875	E	100	?	4.5		1.2	46	KURIL ISLANDS
08	06	22	49.5&	40.352	N	124.637	W	23					47	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.5 (GM). ML 3.6 (GS), 3.4 (BRK).
08	09	12	17.0*	28.417	S	136.169	E	10	G			1.3	6	SOUTH AUSTRALIA
08	09	19	06.3&	40.360	N	124.735	W	23		4.5			167	NEAR COAST OF NORTHERN CALIF. <BRK>. Mw 4.7 (BRK). ML 4.4 (BRK). MD 4.2 (GM). Felt in the Eureka-Petrolia area. Scalar Moment (BRK): Mo=1.4*10**16 Nm.
08	10	04	04.0?	0.88	S	136.70	E	33	N	4.3		1.1	9	IRIAN JAYA REGION, INDONESIA
08	10	23	36.2&	18.903	N	155.259	W	13					2	HAWAII. <HVO-P>. MD 3.8 (HVO).
08	10	28	48.1	12.010	N	125.733	E	33	N	5.0	4.5	1.0	50	SAMAR, PHILIPPINE ISLANDS. Mw 5.3 (HRV). Felt (II RF) at Palo, Leyte. Centroid, Moment Tensor (HRV): Centroid origin time 10:28:49.1; Lat 12.39 N; Lon 125.80 E; Dep 15.0 Bdy; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.76, Plg=54, Azm=304; (N) Val=-1.86, Plg=19, Azm=187; (P) Val=-7.89, Plg=30, Azm=86; Best double couple: Mo=8.8*10**16 Nm; NP1: Strike=133, Dip=23, Slip=34; NP2: Strike=11, Dip=77, Slip=109.
08	10	34	42.8?	36.46	N	140.99	E	33	N			0.3	5	NEAR EAST COAST OF HONSHU, JAPAN
08	10	56	30.3*	12.033	N	125.627	E	33	N	4.5		1.3	22	SAMAR, PHILIPPINE ISLANDS
08	11	27	33.1*	12.029	N	125.986	E	33	N	4.3		0.8	16	SAMAR, PHILIPPINE ISLANDS
08	11	33	33.2*	54.635	N	161.442	E	33	N	4.1		0.9	19	NEAR EAST COAST OF KAMCHATKA
08	11	44	38.5	1.124	N	127.858	E	33	N	4.8	4.2	1.0	32	HALMAHERA, INDONESIA
08	12	14	32.2&	11.997	N	125.705	E	33	N	4.0		0.7	9	SAMAR, PHILIPPINE ISLANDS
08	13	38	48.1	28.461	S	69.358	W	100	D	4.7		1.0	57	CHILE-ARGENTINA BORDER REGION. MD 4.5 (SAN).
08	14	17	36.8&	65.466	N	144.878	W	16					19	NORTHERN ALASKA. <AEIC>. ML 2.8 (AEIC). Felt at Circle Hot

Springs.

08	14	29	13.1	57.274	N	142.932	W	10	G			0.4	22	GULF OF ALASKA. ML 2.8 (AEIC).
08	14	30	21.6?	0.39	N	122.85	E	33	N	3.9		1.0	14	MINAHASSA PENINSULA, SULAWESI
08	14	58	21.6	33.981	N	72.876	E	33	N	4.8	4.3	1.0	94	PAKISTAN
08	15	56	24.0*	6.849	S	146.619	E	33	N	3.7		1.6	9	EASTERN NEW GUINEA REG., P.N.G.
08	16	14	53.6&	60.055	N	153.668	W	148					45	SOUTHERN ALASKA. <AEIC>.
08	16	52	57.9*	35.846	N	68.169	E	37	?	4.0		1.4	17	HINDU KUSH REGION, AFGHANISTAN
08	17	09	39.9	58.636	N	157.560	E	33	N	5.0	4.5	1.1	83	KAMCHATKA
08	17	10	52.7	53.061	N	167.094	W	44		5.7	4.9	0.9	380	FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.5 (HRV). ML 5.3 (AEIC). Felt (IV) at Dutch Harbor and Unalaska. Centroid, Moment Tensor (HRV): Centroid origin time 17:10:54.9; Lat 52.86 N; Lon 166.88 W; Dep 44.0 Bdy; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.03, Plg=71, Azm=337; (N) Val=0.16, Plg=7, Azm=227; (P) Val=-2.19, Plg=17, Azm=135; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=214, Dip=28, Slip=76; NP2: Strike=50, Dip=63, Slip=98.
08	18	16	06.8	35.427	N	138.934	E	47		4.5	4.2	1.0	62	EASTERN HONSHU, JAPAN
08	18	22	11.7*	45.717	N	150.955	E	33	N	4.2		0.9	12	KURIL ISLANDS
08	18	23	56.3*	5.455	S	146.998	E	200	G	5.0		1.1	26	EASTERN NEW GUINEA REG., P.N.G.
08	18	51	50.7&	44.483	N	7.316	E	5	G			0.1	5	NORTHERN ITALY. ML 1.8 (GEN).
08	20	27	01.8?	23.29	S	179.13	W	500	G	3.9		0.7	10	SOUTH OF FIJI ISLANDS
08	22	14	32.2	51.674	N	16.180	E	5	G			0.7	20	POLAND. ML 3.5 (VIE), 3.4 (GRF), 2.8 (MOX).
08	22	25	11.0?	22.11	N	80.18	W	10	G	3.8		0.9	10	CUBA REGION
08	22	41	09.5*	37.605	N	141.246	E	89	*	3.8		0.9	13	NEAR EAST COAST OF HONSHU, JAPAN
08	23	12	35.1	11.977	N	125.677	E	33	N	5.4	5.5	1.1	130	SAMAR, PHILIPPINE ISLANDS. Mw 5.8 (HRV). Felt (IV RF) at Palo, Leyte. Centroid, Moment Tensor (HRV): Centroid origin time 23:12:37.3; Lat 11.86 N; Lon 126.09 E; Dep 15.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=5.52, Plg=63, Azm=260; (N) Val=0.28, Plg=3, Azm=355; (P) Val=-5.80, Plg=27, Azm=87; Best double couple: Mo=5.7*10**17 Nm; NP1: Strike=183, Dip=18, Slip=99; NP2: Strike=354, Dip=72, Slip=87.
09	00	20	59.0	41.098	N	144.815	E	33	N	4.8		1.0	82	HOKKAIDO, JAPAN REGION
09	00	27	05.9	2.017	S	99.675	E	33	N	5.4	5.5	1.1	129	SOUTHERN SUMATERA, INDONESIA. Mw 5.8 (HRV), 5.7 (GS). Me 5.8 (GS). Felt in the southern part of Siberut Island. Broadband Source Parameters (GS): Dep 23; Radiated energy 1.2*10**13 Nm. Moment Tensor (GS): Dep 22; Principal axes (scale 10**17 Nm): (T) Val=4.00, Plg=58, Azm=41; (N) Val=-0.52, Plg=3, Azm=306; (P) Val=-3.48, Plg=32, Azm=214; Best double couple: Mo=3.7*10**17 Nm; NP1: Strike=294, Dip=13, Slip=77; NP2: Strike=127, Dip=77, Slip=93. Centroid, Moment Tensor (HRV): Centroid origin time 00:27:09.3; Lat 2.26 S; Lon 99.32 E; Dep 15.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=5.07, Plg=56, Azm=33; (N) Val=0.58, Plg=2, Azm=300; (P) Val=-5.64, Plg=34, Azm=209; Best double couple: Mo=5.3*10**17 Nm; NP1: Strike=289, Dip=11, Slip=79; NP2: Strike=121, Dip=79, Slip=92.
09	00	56	53.7	1.942	S	99.690	E	33	N	4.6		0.7	31	SOUTHERN SUMATERA, INDONESIA
09	01	04	16.8*	11.931	N	125.714	E	33	N	4.4		0.6	15	SAMAR, PHILIPPINE ISLANDS
09	01	27	03.3*	41.336	N	1.364	E	10	G			0.4	8	SPAIN. mbLg 3.0 (MDD). ML 2.8 (STR).
09	01	49	00.3*	12.011	N	125.724	E	33	N	4.2		0.5	10	SAMAR, PHILIPPINE ISLANDS
09	02	10	16.2&	60.647	N	151.112	W	50					61	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
09	02	39	13.6&	35.101	N	117.495	W	6					28	CENTRAL CALIFORNIA. <PAS-P>. MD 2.9 (PAS). ML 2.7 (GS).
09	02	39	53.1*	11.958	N	125.628	E	33	N	4.5		1.0	19	SAMAR, PHILIPPINE ISLANDS
09	02	59	31.5?	1.95	S	99.81	E	33	N	3.9		0.3	9	SOUTHERN SUMATERA, INDONESIA
09	03	01	41.2*	23.425	S	179.845	E	600	G	4.3		0.6	13	SOUTH OF FIJI ISLANDS
09	03	20	48.7?	17.86	S	168.05	E	250	G	4.5		1.0	19	VANUATU ISLANDS
09	03	37	56.1&	33.260	N	116.287	W	9					25	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.3 (PAS). ML 3.3 (GS).
09	03	43	35.1?	12.03	N	125.50	E	33	N	4.2		0.8	9	SAMAR, PHILIPPINE ISLANDS
09	04	36	18.4?	11.95	N	125.37	E	33	N	4.3		1.0	9	SAMAR, PHILIPPINE ISLANDS
09	04	54	29.6?	9.52	S	116.09	E	33	N	4.4		1.2	11	SUMBAWA REGION, INDONESIA
09	04	57	16.3?	3.61	N	126.59	E	33	N	4.3		1.2	13	TALAUD ISLANDS, INDONESIA
09	05	24	47.1?	7.16	S	129.10	E	150	G	4.3		1.6	9	BANDA SEA
09	05	29	04.1	36.154	N	27.249	E	33	N	3.5		1.4	26	DODECANESE ISLANDS
09	06	22	08.4	50.112	N	178.303	E	33	N	4.5		1.3	73	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
09	06	36	42.9&	36.762	N	121.439	W	10					64	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK), 3.1 (GS). Felt at Salinas.
09	07	41	36.8?	23.15	N	144.04	E	33	N	3.8		1.5	6	VOLCANO ISLANDS REGION
09	07	46	46.3*	15.675	N	93.286	W	99	?	4.1		1.0	22	NEAR COAST OF CHIAPAS, MEXICO
09	08	08	06.4	13.647	N	120.861	E	130	D	5.1		0.9	143	MINDORO, PHILIPPINE ISLANDS. Mw 5.4 (GS), 5.4 (HRV). Moment Tensor (GS): Dep 118; Principal axes (scale 10**17 Nm): (T) Val=1.30, Plg=66, Azm=346; (N) Val=-0.01, Plg=24, Azm=167; (P) Val=-1.28, Plg=0, Azm=77; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=145, Dip=49, Slip=58; NP2: Strike=9, Dip=50, Slip=122. Centroid, Moment Tensor (HRV): Centroid origin time 08:08:06.9; Lat 13.61 N; Lon 120.69 E; Dep 134.0; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.40, Plg=67, Azm=339; (N) Val=-0.35, Plg=23, Azm=158; (P) Val=-1.06, Plg=0, Azm=248; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=0, Dip=49, Slip=121; NP2: Strike=137, Dip=50, Slip=59.
09	08	24	54.7&	19.357	N	155.064	W	4					2	HAWAII. <HVO-P>. MD 4.0 (HVO). Felt.
09	09	24	44.9*	1.951	S	99.682	E	33	N	4.2		0.7	21	SOUTHERN SUMATERA, INDONESIA
09	09	52	46.2*	27.706	N	129.940	E	33	N	4.5		0.9	16	RYUKYU ISLANDS
09	10	06	39.3?	5.08	N	127.56	E	33	N	4.0		1.4	9	PHILIPPINE ISLANDS REGION
09	10	17	26.6*	10.516	S	117.354	E	33	N	4.3		1.4	18	SOUTH OF SUMBAWA, INDONESIA
09	10	29	28.7*	35.847	N	141.170	E	10	G	3.3		0.2	5	NEAR EAST COAST OF HONSHU, JAPAN
09	10	50	35.9&	40.380	N	1.459	W	10	G			1.4	10	SPAIN. mbLg 3.0 (MDD). Felt (III) in the Albarracin area.

09	11	09	38.7?	36.73	N	7.56	W	20	G			0.5	12	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
09	11	24	59.0*	51.474	N	178.636	W	33	N	3.7		1.1	9	ANDREANOF ISLANDS, ALEUTIAN IS.
09	11	54	13.9*	43.959	N	147.931	E	33	N	3.9		0.8	11	KURIL ISLANDS
09	12	05	38.4*	35.634	N	80.959	E	33	N	4.0		0.9	15	KASHMIR-XIZANG BORDER REGION
09	13	12	32.0*	51.551	N	178.672	W	33	N	4.0		0.9	15	ANDREANOF ISLANDS, ALEUTIAN IS.
09	14	04	24.5?	33.03	N	141.76	E	33	N	4.2		1.5	11	OFF EAST COAST OF HONSHU, JAPAN
09	15	07	03.7*	1.809	S	99.933	E	33	N	4.1		0.4	12	SOUTHERN SUMATERA, INDONESIA
09	15	10	22.6*	35.079	N	141.406	E	10	G	3.6		0.4	6	NEAR EAST COAST OF HONSHU, JAPAN
09	15	16	25.9*	2.105	S	99.563	E	33	N	4.5		1.1	32	SOUTHERN SUMATERA, INDONESIA
09	15	34	49.5	49.256	N	155.630	E	33	N	5.4	4.8	0.9	272	KURIL ISLANDS. Mw 5.5 (GS), 5.5 (HRV).
														Moment Tensor (GS): Dep 34; Principal axes (scale 10**17 Nm): (T) Val=1.75, Plg=74, Azm=259; (N) Val=-0.14, Plg=14, Azm=54; (P) Val=-1.61, Plg=6, Azm=146; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=251, Dip=41, Slip=112; NP2: Strike=43, Dip=53, Slip=72.
														Centroid, Moment Tensor (HRV): Centroid origin time 15:34:54.2; Lat 49.13 N; Lon 156.23 E; Dep 50.6; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.99, Plg=76, Azm=253; (N) Val=0.50, Plg=10, Azm=31; (P) Val=-2.48, Plg=9, Azm=123; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=225, Dip=37, Slip=107; NP2: Strike=24, Dip=55, Slip=77.
09	16	06	47.0?	30.09	S	179.27	W	500	G	4.2		0.8	19	KERMADEC ISLANDS, NEW ZEALAND
09	17	14	37.6&	44.485	N	7.271	E	10	G			0.4	11	NORTHERN ITALY. ML 2.5 (GEN).
09	17	31	16.5&	44.389	N	6.441	E	5	G			0.4		FRANCE. ML 2.6 (GEN).
09	17	48	51.8&	33.316	S	71.118	W	60	G			0.2	12	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
09	17	58	40.2?	7.28	S	127.54	E	100	G	3.7		1.2	9	BANDA SEA
09	18	10	26.6*	19.148	N	104.598	W	33	N	4.4		1.3	36	NEAR COAST OF JALISCO, MEXICO
09	18	33	25.3	64.902	N	170.447	W	10	G	4.3	4.8	1.0	65	BERING STRAIT. Mw 5.0 (HRV). Felt (III) at Savoonga, St. Lawrence Island.
														Centroid, Moment Tensor (HRV): Centroid origin time 18:33:30.1; Lat 64.90 N Fix; Lon 170.45 W Fix; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.01, Plg=48, Azm=208; (N) Val=0.11, Plg=41, Azm=47; (P) Val=-3.13, Plg=10, Azm=308; Best double couple: Mo=3.1*10**16 Nm; NP1: Strike=1, Dip=50, Slip=32; NP2: Strike=249, Dip=66, Slip=135.
09	18	40	55.1*	44.418	N	6.564	E	5	G			0.9	15	FRANCE. ML 2.9 (GEN).
09	18	45	38.6&	43.087	N	8.384	W	10	G			0.7	7	SPAIN. mbLg 3.4 (MDD). Felt (III) in the Ordes area.
09	18	45	43.4	64.994	N	170.416	W	10	G	4.7	4.9	0.9	81	BERING STRAIT. Mw 5.2 (HRV). Felt (III) at Port Clarence, Alaska.
														Centroid, Moment Tensor (HRV): Centroid origin time 18:45:46.2; Lat 64.56 N; Lon 170.97 W; Dep 19.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.17, Plg=25, Azm=7; (N) Val=0.20, Plg=58, Azm=230; (P) Val=-7.37, Plg=19, Azm=106; Best double couple: Mo=7.3*10**16 Nm; NP1: Strike=148, Dip=58, Slip=4; NP2: Strike=55, Dip=86, Slip=148.
09	19	05	56.9	64.796	N	170.239	W	10	G	4.4		1.3	47	BERING STRAIT
09	20	06	17.8&	11.945	N	125.863	E	33	N	3.6		0.4	6	SAMAR, PHILIPPINE ISLANDS
09	20	49	37.1*	12.358	S	166.906	E	215	D	4.4		1.1	43	SANTA CRUZ ISLANDS
09	20	58	54.5?	17.55	S	168.26	E	100	G	4.5		1.5	18	VANUATU ISLANDS
09	21	54	32.8&	61.743	N	150.369	W	45					64	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.2 (PMR).
09	22	22	39.1?	34.75	N	83.31	E	33	N	3.6		1.9	6	XIZANG
09	22	27	28.4&	44.417	N	7.317	E	5	G			0.3	11	NORTHERN ITALY. ML 2.4 (GEN).
09	23	11	41.4?	44.04	N	147.05	E	33	N	4.5		1.2	10	KURIL ISLANDS
09	23	48	12.2*	51.546	N	16.229	E	5	G			0.8	6	POLAND. ML 2.5 (MOX).
10	00	10	27.1*	3.706	S	151.269	E	33	N	4.7	4.7	1.4	37	NEW IRELAND REGION, P.N.G. Mw 5.4 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 00:10:30.6; Lat 3.71 S Fix; Lon 151.27 E Fix; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.18, Plg=29, Azm=336; (N) Val=0.03, Plg=61, Azm=150; (P) Val=-1.20, Plg=3, Azm=244; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=16, Dip=68, Slip=160; NP2: Strike=114, Dip=72, Slip=23.
10	00	20	49.6	3.828	S	151.157	E	33	N	4.6	4.9	1.1	40	NEW IRELAND REGION, P.N.G. Mw 5.7 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 00:20:53.5; Lat 3.83 S Fix; Lon 151.16 E Fix; Dep 42.1; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=3.59, Plg=25, Azm=338; (N) Val=0.84, Plg=65, Azm=152; (P) Val=-4.43, Plg=2, Azm=247; Best double couple: Mo=4.0*10**17 Nm; NP1: Strike=20, Dip=71, Slip=164; NP2: Strike=115, Dip=75, Slip=20.
10	00	48	43.7*	51.943	S	14.990	E	10	G	4.6		1.1	19	SOUTHWEST OF AFRICA
10	00	56	08.1	46.730	N	9.756	E	10	G			1.3	10	SWITZERLAND. ML 2.0 (VIE).
10	01	17	25.5?	44.78	N	6.81	E	10	G				4	FRANCE. ML 1.5 (GEN).
10	03	18	06.5?	36.79	N	71.61	E	33	N	3.8		1.3	10	AFGHANISTAN-TAJIKISTAN BORD REG.
10	03	29	03.4&	40.257	N	1.614	W	10	G			1.5	14	SPAIN. mbLg 3.0 (MDD). Felt (III) in the Albarracin area.
10	03	59	10.2*	51.150	N	178.179	W	33	N	4.1		0.9	27	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PMR).
10	04	53	16.8*	37.865	N	142.766	E	33	N	3.9		1.3	10	OFF EAST COAST OF HONSHU, JAPAN
10	05	07	58.9?	32.60	S	178.91	W	33	N	4.4		1.5	15	SOUTH OF KERMADEC ISLANDS
10	05	21	43.0&	18.869	N	155.249	W	13					1	HAWAII. <HVO-P>. MD 3.8 (HVO).
10	05	56	28.7&	18.862	N	155.248	W	13		4.4			43	HAWAII. <HVO-P>. MD 4.6 (HVO).
10	06	15	45.3?	41.74	S	75.28	W	25	D	3.9		0.8	8	OFF COAST OF SOUTHERN CHILE
10	06	23	08.8	24.041	N	122.598	E	46	D	5.3	5.3	1.2	180	TAIWAN REGION. Mw 5.7 (HRV). Felt in eastern and northern Taiwan.
														Centroid, Moment Tensor (HRV): Centroid origin time 06:23:09.9; Lat 23.81 N; Lon 122.62 E; Dep 33.3; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.11, Plg=52, Azm=282; (N) Val=0.63, Plg=25, Azm=48; (P) Val=-3.74, Plg=27, Azm=152; Best double couple: Mo=3.4*10**17 Nm; NP1: Strike=286, Dip=29, Slip=151; NP2: Strike=42, Dip=76, Slip=64.

10	06	33	53.9	64.881	N	169.986	W	10	G	4.1		0.9	40	BERING STRAIT
10	07	23	18.9	12.514	S	166.977	E	209	D	4.5		1.1	69	SANTA CRUZ ISLANDS
10	07	38	43.8?	24.27	S	179.75	E	550	G	3.5		0.9	5	SOUTH OF FIJI ISLANDS
10	09	34	26.0	43.722	N	127.805	W	10	G	3.5		0.7	78	OFF COAST OF OREGON
10	11	20	19.7	4.938	S	152.131	E	33	N	5.6	6.0	1.0	235	NEW BRITAIN REGION, P.N.G. Mw 6.2 (HRV), 6.1 (GS). Me 5.6 (GS). Ms 6.0 (BRK). Broadband Source Parameters (GS): Dep 38; NP1: Strike=80, Dip=60, Slip=110; NP2: Strike=224, Dip=36, Slip=59; Radiated energy 5.7*10**12 Nm. Moment Tensor (GS): Dep 35; Principal axes (scale 10**18 Nm): (T) Val=1.49, Plg=78, Azm=329; (N) Val=-0.04, Plg=12, Azm=132; (P) Val=-1.45, Plg=4, Azm=223; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=325, Dip=43, Slip=108; NP2: Strike=122, Dip=50, Slip=74. Centroid, Moment Tensor (HRV): Centroid origin time 11:20:29.2; Lat 5.19 S; Lon 152.29 E; Dep 46.7; Half-duration 3.2 sec; Principal axes (scale 10**18 Nm): (T) Val=2.21, Plg=76, Azm=5; (N) Val=0.21, Plg=6, Azm=252; (P) Val=-2.42, Plg=13, Azm=160; Best double couple: Mo=2.3*10**18 Nm; NP1: Strike=243, Dip=32, Slip=79; NP2: Strike=75, Dip=58, Slip=97.
10	11	32	04.9&	37.405	N	2.211	W	10	G			1.3	7	SPAIN. mbLg 2.5 (MDD).
10	12	00	17.8*	21.980	S	68.770	W	101	D	4.4		1.0	23	CHILE-BOLIVIA BORDER REGION. Felt (IV) at Calama and Chuquicamata, Chile.
10	12	09	19.0*	38.396	N	142.394	E	33	N	4.0		1.3	16	NEAR EAST COAST OF HONSHU, JAPAN
10	12	35	10.0?	32.23	N	141.68	E	33	N	3.7		1.0	7	SOUTH OF HONSHU, JAPAN
10	12	48	23.6?	11.15	N	126.49	E	33	N	3.9		1.0	7	PHILIPPINE ISLANDS REGION
10	12	48	53.6&	61.676	N	151.787	W	82					51	SOUTHERN ALASKA. <AEIC>.
10	13	05	28.2*	8.489	N	122.837	E	33	N	4.3		1.0	14	MINDANAO, PHILIPPINE ISLANDS
10	13	33	14.4?	36.85	N	72.02	E	33	N	3.8		1.3	11	AFGHANISTAN-TAJIKISTAN BORD REG.
10	13	57	47.7	47.679	N	8.638	E	10	G			1.5	32	SWITZERLAND. ML 3.2 (STR), 3.1 (GRF), 3.0 (VIE), 2.9 (FUR).
10	14	25	32.3*	44.715	N	149.333	E	33	N	3.8		1.2	15	KURIL ISLANDS
10	15	08	05.7*	19.749	S	177.965	W	500	G	5.0		1.6	94	FIJI ISLANDS REGION
10	15	11	41.2	19.540	S	178.081	W	550	G	4.5		1.1	64	FIJI ISLANDS REGION
10	15	38	08.1?	40.35	N	78.39	E	33	N	3.6		0.5	8	SOUTHERN XINJIANG, CHINA
10	15	51	39.7*	51.649	N	159.535	E	33	N	3.8		0.9	17	OFF EAST COAST OF KAMCHATKA
10	18	12	17.3	38.909	N	140.530	E	10	G	6.0	5.7	0.9	369	EASTERN HONSHU, JAPAN. Mw 6.0 (GS), 6.0 (HRV). Me 5.9 (GS). Ms 5.5 (BRK). Six people injured in northeastern Yamagata Prefecture. Four people injured and fifteen houses damaged in Miyagi Prefecture. Felt (V JMA) in the Kurikoma area, (IV JMA) at Shinjo and (III JMA) at Ichinoseki and Oga. Broadband Source Parameters (GS): Dep 9; NP1: Strike=190, Dip=50, Slip=135; NP2: Strike=313, Dip=57, Slip=50; Radiated energy 1.7*10**13 Nm. Moment Tensor (GS): Dep 4; Principal axes (scale 10**18 Nm): (T) Val=1.02, Plg=77, Azm=280; (N) Val=-0.03, Plg=1, Azm=188; (P) Val=-0.98, Plg=13, Azm=98; Best double couple: Mo=1.0*10**18 Nm; NP1: Strike=187, Dip=32, Slip=89; NP2: Strike=8, Dip=58, Slip=91. Centroid, Moment Tensor (HRV): Centroid origin time 18:12:22.7; Lat 38.95 N; Lon 140.53 E; Dep 15.0 Fix; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=0.88, Plg=76, Azm=145; (N) Val=0.14, Plg=12, Azm=0; (P) Val=-1.02, Plg=8, Azm=268; Best double couple: Mo=9.5*10**17 Nm; NP1: Strike=345, Dip=38, Slip=71; NP2: Strike=189, Dip=54, Slip=105.
10	18	19	32.8*	38.824	N	140.636	E	10	G	3.9		1.5	11	EASTERN HONSHU, JAPAN
10	18	27	39.8	38.892	N	140.673	E	10	G	3.8		1.2	16	EASTERN HONSHU, JAPAN
10	18	27	50.4	38.876	N	140.539	E	10	G	4.5		1.2	43	EASTERN HONSHU, JAPAN
10	18	43	36.7*	38.964	N	140.706	E	10	G	3.8		1.2	10	EASTERN HONSHU, JAPAN
10	18	43	51.9*	0.018	S	136.808	E	33	N	4.4		1.0	20	IRIAN JAYA REGION, INDONESIA
10	18	46	35.5	38.908	N	140.719	E	10	G	3.8		1.0	11	EASTERN HONSHU, JAPAN
10	18	51	01.6	38.913	N	140.651	E	10	G	4.4		1.1	30	EASTERN HONSHU, JAPAN
10	18	54	11.0	38.936	N	140.556	E	10	G	5.7	5.1	0.9	294	EASTERN HONSHU, JAPAN. Mw 5.5 (HRV). Additional damage (V JMA) in the Kurikoma area. Centroid, Moment Tensor (HRV): Centroid origin time 18:54:17.5; Lat 39.27 N; Lon 140.55 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.76, Plg=69, Azm=136; (N) Val=0.11, Plg=14, Azm=3; (P) Val=-1.88, Plg=14, Azm=269; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=340, Dip=33, Slip=63; NP2: Strike=191, Dip=61, Slip=107.
10	19	03	34.3&	62.097	N	151.125	W	82					22	CENTRAL ALASKA. <AEIC>.
10	19	08	44.3?	38.97	N	140.99	E	10	G			0.3	5	EASTERN HONSHU, JAPAN
10	19	20	28.9*	38.976	N	140.669	E	10	G	3.6		1.0	9	EASTERN HONSHU, JAPAN
10	19	25	40.4*	39.040	N	140.696	E	10	G	3.9		1.5	14	EASTERN HONSHU, JAPAN
10	19	33	44.7&	33.740	N	116.166	W	1					23	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.9 (PAS). ML 2.8 (GS). Felt in the Indio area.
10	19	44	17.6	38.936	N	140.764	E	10	G	3.7		1.3	16	EASTERN HONSHU, JAPAN
10	19	51	17.5*	38.932	N	140.734	E	10	G	3.8		1.3	15	EASTERN HONSHU, JAPAN
10	19	56	31.5*	38.866	N	140.847	E	10	G	3.6		1.5	9	EASTERN HONSHU, JAPAN
10	19	58	50.7*	39.000	N	140.739	E	10	G	3.7		1.2	11	EASTERN HONSHU, JAPAN
10	20	14	58.5*	38.934	N	140.788	E	10	G	3.5		1.3	9	EASTERN HONSHU, JAPAN
10	20	17	10.6*	58.749	S	26.566	W	100	G	4.7		1.0	26	SOUTH SANDWICH ISLANDS REGION
10	20	26	03.6	38.894	N	140.661	E	10	G	4.4		1.3	37	EASTERN HONSHU, JAPAN
10	20	28	04.1	38.910	N	140.773	E	10	G	4.1		0.9	12	EASTERN HONSHU, JAPAN
10	20	31	47.6?	7.54	N	126.53	E	33	N	4.0		1.0	7	MINDANAO, PHILIPPINE ISLANDS
10	20	39	44.1	38.923	N	140.645	E	10	G	4.4		1.3	49	EASTERN HONSHU, JAPAN
10	20	45	48.3	36.972	N	28.657	E	33	N	3.6		1.3	20	DODECANESE ISLANDS
10	20	59	25.7	3.070	S	139.167	E	33	N	4.8	4.3	1.0	36	IRIAN JAYA, INDONESIA
10	22	10	00.3*	12.737	N	87.880	W	33	N	4.5		1.3	52	NEAR COAST OF NICARAGUA
10	22	27	15.0*	2.088	S	99.600	E	33	N	4.3		0.8	23	SOUTHERN SUMATERA, INDONESIA
10	22	35	48.8	1.956	S	99.622	E	33	N	5.3	5.5	0.8	100	SOUTHERN SUMATERA, INDONESIA. Mw 5.7 (HRV). Felt in the

													southern part of Siberut Island. Centroid, Moment Tensor (HRV): Centroid origin time 22:35:53.3; Lat 2.28 S; Lon 99.30 E; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.13, Plg=64, Azm=28; (N) Val=0.74, Plg=0, Azm=297; (P) Val=-3.87, Plg=26, Azm=207; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=296, Dip=19, Slip=89; NP2: Strike=117, Dip=71, Slip=90.
10	22	43	37.0*	24.713	N	95.299	E	33	N	4.2	1.2	18	MYANMAR
10	22	47	45.2*	19.449	N	145.673	E	150	G	4.1	1.1	29	MARIANA ISLANDS
10	23	05	20.1	37.416	N	20.280	E	33	N	3.8	1.4	31	IONIAN SEA. ML 4.0 (ROM).
10	23	10	45.7	38.880	N	140.628	E	10	G	5.6 5.4	0.9	253	EASTERN HONSHU, JAPAN. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:10:51.0; Lat 39.04 N; Lon 140.81 E; Dep 15.0 Fix; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=3.32, Plg=25, Azm=177; (N) Val=1.05, Plg=60, Azm=35; (P) Val=-4.37, Plg=16, Azm=275; Best double couple: Mo=3.8*10**17 Nm; NP1: Strike=318, Dip=61, Slip=6; NP2: Strike=225, Dip=84, Slip=150.
10	23	36	09.1*	38.868	N	140.904	E	10	G	3.7	1.2	9	EASTERN HONSHU, JAPAN
10	23	43	35.1?	1.82	S	99.92	E	33	N	4.2	1.0	14	SOUTHERN SUMATERA, INDONESIA
10	23	57	06.8*	54.85?	-	136.135	W	10	G	4.8	1.4	23	PACIFIC-ANTARCTIC RIDGE
11	00	15	05.1*	38.909	N	140.683	E	10	G	3.7	1.0	12	EASTERN HONSHU, JAPAN
11	00	35	42.9*	1.048	N	120.019	E	33	N	4.8	1.0	28	MINAHASSA PENINSULA, SULAWESI
11	00	59	53.7?	28.35	S	177.79	W	33	N	4.1	1.4	9	KERMADEC ISLANDS REGION. Felt (I) on Raoul.
11	01	31	16.7	13.396	S	166.692	E	100		5.6 5.8	1.3	234	VANUATU ISLANDS. Mw 6.1 (GS), 6.0 (HRV). Me 5.8 (GS). Broadband Source Parameters (GS): Dep 38; NP1: Strike=135, Dip=40, Slip=75; NP2: Strike=334, Dip=52, Slip=102; Radiated energy 1.2*10**13 Nm. Moment Tensor (GS): Dep 38; Principal axes (scale 10**18 Nm): (T) Val=1.48, Plg=83, Azm=252; (N) Val=0.00, Plg=0, Azm=159; (P) Val=-1.48, Plg=7, Azm=69; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=158, Dip=38, Slip=89; NP2: Strike=339, Dip=52, Slip=90. Centroid, Moment Tensor (HRV): Centroid origin time 01:31:16.5; Lat 13.40 S; Lon 166.56 E; Dep 58.6; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=1.13, Plg=80, Azm=255; (N) Val=0.00, Plg=1, Azm=353; (P) Val=-1.13, Plg=10, Azm=84; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=176, Dip=35, Slip=93; NP2: Strike=352, Dip=55, Slip=88.
11	01	56	59.2	51.642	N	16.204	E	10	G		0.8	11	POLAND. ML 2.6 (MOX).
11	01	59	23.8	38.848	N	140.509	E	10	G	5.2 5.2	0.8	131	EASTERN HONSHU, JAPAN
11	02	00	26.0?	12.46	S	165.83	E	33	N	3.6	0.5	7	SANTA CRUZ ISLANDS
11	02	01	55.5?	13.24	S	166.60	E	33	N	4.1	1.4	10	VANUATU ISLANDS
11	02	08	20.0	10.008	S	160.997	E	33	N	4.8	1.0	53	SOLOMON ISLANDS
11	02	27	28.8*	9.434	S	72.656	W	33	N	4.1	1.3	12	PERU-BRAZIL BORDER REGION
11	03	27	39.2*	42.114	N	142.887	E	150	G	3.8	1.5	12	HOKKAIDO, JAPAN REGION
11	04	04	28.4?	3.07	S	136.85	E	33	N	4.4	1.1	11	IRIAN JAYA, INDONESIA
11	04	44	26.0*	52.735	N	167.064	W	33	N	4.1	1.0	17	FOX ISLANDS, ALEUTIAN ISLANDS
11	05	11	20.8*	52.756	N	167.101	W	33	N	4.1	0.9	20	FOX ISLANDS, ALEUTIAN ISLANDS
11	05	12	31.3*	38.882	N	140.712	E	10	G	4.1	1.5	19	EASTERN HONSHU, JAPAN
11	06	01	32.9	38.878	N	140.537	E	10	G	4.7	1.1	72	EASTERN HONSHU, JAPAN
11	06	32	56.7*	6.171	S	154.820	E	33	N	4.6	0.9	25	SOLOMON ISLANDS
11	06	34	05.7*	55.871	S	27.649	W	100	G	4.3	0.8	15	SOUTH SANDWICH ISLANDS REGION
11	07	57	16.5	40.067	N	20.693	E	10	G	4.4	1.1	60	GREECE-ALBANIA BORDER REGION. ML 4.2 (ROM). Additional minor damage to buildings at Konitsa, Greece.
11	08	25	11.5&	44.569	N	7.183	E	10	G		0.3	11	NORTHERN ITALY. ML 2.4 (GEN).
11	08	34	20.8&	41.755	N	125.699	W	8		4.5		143	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 4.2 (GM). ML 4.4 (BRK).
11	08	58	44.7*	51.832	N	173.251	W	33	N	3.8	1.2	13	ANDREANOF ISLANDS, ALEUTIAN IS.
11	09	55	25.7?	54.23	S	136.87	W	10	G	4.4	1.5	14	PACIFIC-ANTARCTIC RIDGE
11	09	56	03.6?	54.11	S	136.48	W	10	G	4.9	1.4	16	PACIFIC-ANTARCTIC RIDGE
11	10	05	48.8*	19.094	N	121.249	E	33	N	4.1	0.3	9	PHILIPPINE ISLANDS REGION
11	11	04	26.6	14.075	N	93.733	E	33	N	4.0	0.5	12	ANDAMAN ISLANDS, INDIA
11	11	43	41.3	37.557	N	21.551	E	10	G	4.6	1.3	90	SOUTHERN GREECE
11	11	48	14.2	38.949	N	140.574	E	10	G	4.9 4.7	1.0	99	EASTERN HONSHU, JAPAN
11	11	48	27.9*	14.087	N	93.817	E	33	N	4.2	0.9	10	ANDAMAN ISLANDS, INDIA
11	11	52	26.8	38.932	N	140.616	E	10	G	4.8	1.0	72	EASTERN HONSHU, JAPAN
11	12	15	17.9*	38.976	N	140.765	E	10	G	4.1	1.0	14	EASTERN HONSHU, JAPAN
11	12	41	39.7	37.813	N	21.637	E	33	N	4.0	0.7	16	SOUTHERN GREECE
11	13	31	26.9*	15.619	S	177.776	W	400	G	4.2	1.0	37	FIJI ISLANDS REGION
11	13	58	56.3*	23.259	S	176.846	W	300	G	3.9	0.9	24	SOUTH OF FIJI ISLANDS
11	14	07	17.3*	22.630	S	67.893	W	150	G	4.2	0.8	11	CHILE-BOLIVIA BORDER REGION
11	14	11	22.2	55.928	N	162.110	E	33	N	5.2 4.8	1.0	172	NEAR EAST COAST OF KAMCHATKA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:11:23.9; Lat 56.12 N; Lon 162.50 E; Dep 31.1; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.05, Plg=27, Azm=145; (N) Val=-0.10, Plg=55, Azm=8; (P) Val=-0.94, Plg=21, Azm=246; Best double couple: Mo=9.9*10**16 Nm; NP1: Strike=287, Dip=55, Slip=5; NP2: Strike=194, Dip=86, Slip=145.
11	15	01	08.1	6.782	S	126.625	E	350	G	4.8	1.0	45	BANDA SEA
11	15	06	48.2*	39.029	N	140.501	E	10	G	3.9	1.3	17	EASTERN HONSHU, JAPAN
11	15	17	50.4	52.081	N	30.086	W	10	G	4.0	0.9	24	NORTHERN MID-ATLANTIC RIDGE
11	15	44	39.6?	31.95	S	70.76	W	100	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
11	16	40	41.2	36.182	N	27.172	E	33	N	4.1	1.3	29	DODECANESE ISLANDS
11	16	54	11.6	49.223	N	155.572	E	33	N	4.6	1.1	64	KURIL ISLANDS
11	17	08	01.1&	10.492	N	61.848	W	10	G		0.5	5	TRINIDAD. MD 3.2 (TRN).
11	17	41	38.8&	40.295	N	1.561	W	10	G		1.1	10	SPAIN. mbLg 3.3 (MDD). Felt (III) in the epicentral area.
11	17	44	28.1*	39.015	N	140.686	E	10	G	3.8	1.1	14	EASTERN HONSHU, JAPAN
11	18	10	23.1?	13.86	S	167.22	E	33	N	3.9	1.2	16	VANUATU ISLANDS
11	18	17	49.8&	33.577	N	90.874	W	10	G			7	MISSISSIPPI. <TEIC>. MD 3.1 (TEIC). mbLg 3.5 (GS).

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11  18 48 12.4?  4.26  N   95.62  E  100 G  3.8        1.4   11  NORTHERN SUMATERA, INDONESIA
11  19 49 31.5*  20.524 S  174.552 W   33 N  4.5        1.1   15  TONGA ISLANDS
11  20 22 35.2*   6.582 S  127.923 E  400 G  4.4        1.1   17  BANDA SEA
11  20 48 56.1&  38.033 N    0.423 W   10 G              0.8    9  SPAIN. mbLg 3.0 (MDD). Felt (III) in the Torrevieja area.
11  22 06 09.7*  28.099 N   55.635 E   33 N  4.0        0.8    9  SOUTHERN IRAN
11  23 10 11.9*  42.434 N   60.285 E   33 N  3.8        1.2    7  NORTHWESTERN UZBEKISTAN
11  23 50 42.1*  38.561 N  105.774 E   33 N  3.9        1.4   10  WESTERN NEI MONGOL, CHINA
12  00 17 46.9   18.149 S   63.767 W   53 D  4.7        1.2   55  CENTRAL BOLIVIA. Felt at Samaipata and Santa Cruz.
12  00 42 36.1?  32.21  S   70.60  W  100 G              0.3   11  CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
12  03 24 48.7*  40.728 N  142.997 E   33 N  4.1        0.8   12  NEAR EAST COAST OF HONSHU, JAPAN
12  04 00 55.7?   2.68  S  139.06  E   89 ?  3.8        1.2   11  NEAR NORTH COAST OF IRIAN JAYA
12  04 26 35.9&  59.699 N  153.364 W  129                      56  SOUTHERN ALASKA. <AEIC>.
12  04 40 27.6*  51.324 N  176.352 W   33 N  4.0        1.3    7  ANDREANOF ISLANDS, ALEUTIAN IS.
12  05 24 45.1?   4.08  S  152.70  E   33 N  4.2        1.0    9  NEW BRITAIN REGION, P.N.G.
12  06 34 07.1   52.355 N  169.311 W   33 N  4.0        1.2   25  FOX ISLANDS, ALEUTIAN ISLANDS
12  06 58 35.9*  23.315 S  170.890 E  100 G  4.2        1.0   26  LOYALTY ISLANDS REGION
12  07 34 15.4?  53.04  S  121.33  W   10 G  4.4        1.6   11  SOUTHERN EAST PACIFIC RISE
12  09 05 23.0   36.143 S   71.351 W  100 G  3.9        0.8   26  CENTRAL CHILE. MD 3.8 (SAN). Felt (III) at Curico and Talca.
12  09 13 11.8   44.344 N    7.509 E    5 G              0.7   23  NORTHERN ITALY. ML 2.9 (GEN), 2.7 (STR).
12  09 56 51.3&  59.224 N  151.995 W   56                      65  KENAI PENINSULA, ALASKA. <AEIC>. ML 3.4 (AEIC), 3.3 (PMR).
12  12 25 17.6*  39.011 N  140.573 E   10 G  3.6        1.2    9  EASTERN HONSHU, JAPAN
12  12 31 38.3*  38.979 N  140.513 E   10 G              1.4   10  EASTERN HONSHU, JAPAN
12  13 26 55.5?  19.79  S  169.81  E  100 G  4.3        1.0   16  VANUATU ISLANDS
12  15 25 42.2*  14.357 N  119.456 E   33 N  3.6        1.0    9  LUZON, PHILIPPINE ISLANDS
12  15 28 57.8*  55.803 N  160.893 E  200 G  3.7        1.0   16  KAMCHATKA
12  15 32 56.4*  33.480 S   56.903 E   10 G  4.5        1.1   18  SOUTHWEST INDIAN RIDGE
12  15 44 46.3    1.253 N  120.891 E   33 N  4.9        1.1   43  MINAHASSA PENINSULA, SULAWESI. Mw 5.1 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   15:44:52.3; Lat 1.79 N; Lon 120.97 E; Dep 33.0 Fix; Half-
                                                                   duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                   Val=5.18, Plg=55, Azm=216; (N) Val=0.04, Plg=19, Azm=96;
                                                                   (P) Val=-5.22, Plg=28, Azm=356; Best double couple:
                                                                   Mo=5.2*10**16 Nm; NP1: Strike=47, Dip=24, Slip=38; NP2:
                                                                   Strike=281, Dip=75, Slip=110.
12  15 48 23.6   35.448 N   27.720 E   57 *  4.0        1.2   39  DODECANESE ISLANDS
12  16 35 48.8?  43.74  N    7.50  E   10 G              0.4    8  NEAR SOUTH COAST OF FRANCE. ML 2.3 (GEN).
12  17 00 27.9    0.266 S  125.094 E   42     5.7 5.5   1.2  185  SOUTHERN MOLUCCA SEA. Mw 6.0 (GS), 6.0 (HRV). Me 5.5 (GS).
                                                                   Ms 5.3 (BRK).
                                                                  Broadband Source Parameters (GS): Dep 36; NP1: Strike=120,
                                                                   Dip=50, Slip=30; NP2: Strike=10, Dip=67, Slip=136; Radiated
                                                                   energy 4.1*10**12 Nm.
                                                                  Moment Tensor (GS): Dep 35; Principal axes (scale 10**18
                                                                   Nm): (T) Val=1.05, Plg=51, Azm=318; (N) Val=-0.12, Plg=35,
                                                                   Azm=167; (P) Val=-0.93, Plg=14, Azm=67; Best double couple:
                                                                   Mo=9.9*10**17 Nm; NP1: Strike=119, Dip=44, Slip=33; NP2:
                                                                   Strike=4, Dip=68, Slip=129.
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   17:00:34.4; Lat 0.18 S; Lon 125.52 E; Dep 37.0 Bdy; Half-
                                                                   duration 2.4 sec; Principal axes (scale 10**18 Nm): (T)
                                                                   Val=1.25, Plg=68, Azm=280; (N) Val=-0.04, Plg=10, Azm=35;
                                                                   (P) Val=-1.22, Plg=19, Azm=129; Best double couple:
                                                                   Mo=1.2*10**18 Nm; NP1: Strike=235, Dip=27, Slip=112; NP2:
                                                                   Strike=31, Dip=65, Slip=79.
12  17 51 11.0&  18.787 N  155.199 W   11     4.4               13  HAWAII. <HVO-P>. MD 4.3 (HVO).
12  17 54 50.0?  21.84  S  171.24  E  100 G  4.2        1.2   17  LOYALTY ISLANDS REGION
12  17 57 29.6&  33.175 N  115.609 W    6 G                    4  SOUTHERN CALIFORNIA. <PAS-P>. MD 2.9 (PAS).
12  18 14 12.1   22.371 S   65.937 W  254     4.4        1.1   33  JUJUY PROVINCE, ARGENTINA
12  19 13 59.6   51.243 N  178.357 W   33 N  4.2        1.0   41  ANDREANOF ISLANDS, ALEUTIAN IS.
12  19 52 29.5?  23.70  S  179.96  W  600 G  4.2        0.7   14  SOUTH OF FIJI ISLANDS
12  20 09 43.2*   0.113 S  124.923 E   33 N  4.2        1.0   22  SOUTHERN MOLUCCA SEA
12  20 22 46.0*   4.473 S  152.667 E   82 D  4.0        1.1   18  NEW BRITAIN REGION, P.N.G.
12  20 25 47.9&  33.979 N  118.332 W   11                      30  SOUTHERN CALIFORNIA. <PAS-P>. MD 2.9 (PAS). Felt in the West
                                                                   Los Angeles area.
12  20 34 23.8   17.549 S  178.749 W  500 G  4.8        1.0   88  FIJI ISLANDS REGION
12  20 39 43.2&  33.996 N  118.348 W   10                      3  SOUTHERN CALIFORNIA. <PAS-P>. MD 2.2 (PAS). Felt in the West
                                                                   Los Angeles area.
12  21 00 54.9?  15.39  S  175.07  W  292 *  3.7        0.8   16  TONGA ISLANDS
12  21 17 17.4    5.540 S   77.100 W   25 D  4.4        1.0   28  NORTHERN PERU
12  21 28 18.5&  33.180 N  115.604 W    6                      29  SOUTHERN CALIFORNIA. <PAS-P>. MD 2.9 (PAS).
12  22 11 35.7*  51.610 N  158.990 E   33 N  4.0        1.0   14  NEAR EAST COAST OF KAMCHATKA
12  22 36 09.3*  15.450 S   70.852 W  178 D  4.4        1.2   25  SOUTHERN PERU
12  22 43 05.6&  36.778 N    6.829 W   33 N              0.7   14  STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
12  23 58 08.2&  28.135 N   51.794 E   33 N  4.2        1.1   13  SOUTHERN IRAN
13  00 26 20.2&  41.911 N  126.340 W    5                       2  OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
13  01 31 55.0*   0.185 S  125.144 E   33 N  4.4        1.2   27  SOUTHERN MOLUCCA SEA
13  01 35 25.9   51.589 N   16.219 E    5 G              0.6   18  POLAND. ML 3.5 (GRF).
13  02 13 01.7   38.844 N  140.509 E   10 G  5.0 4.6   0.8  112  EASTERN HONSHU, JAPAN. Mw 5.3 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   02:13:08.9; Lat 38.85 N; Lon 140.45 E; Dep 15.0 Fix; Half-
                                                                   duration 1.0 sec; Principal axes (scale 10**17 Nm): (T)
                                                                   Val=1.10, Plg=43, Azm=35; (N) Val=-0.05, Plg=27, Azm=154;
                                                                   (P) Val=-1.05, Plg=35, Azm=265; Best double couple:
                                                                   Mo=1.1*10**17 Nm; NP1: Strike=53, Dip=28, Slip=170; NP2:
                                                                   Strike=152, Dip=85, Slip=62.
13  02 25 06.7*  38.802 N  140.914 E   10 G  3.6        1.2    7  EASTERN HONSHU, JAPAN
13  04 30 11.5   30.040 S  143.560 E   10 G  5.0        1.0   45  NEW SOUTH WALES, AUSTRALIA
13  05 44 31.8?  29.96  S  143.60  E   10 G  4.3        1.2    4  NEW SOUTH WALES, AUSTRALIA
13  06 15 21.7   39.543 N   75.326 E   53 *  4.5        1.4   41  SOUTHERN XINJIANG, CHINA
13  06 38 17.2    0.239 S  125.017 E   28 D  5.7 5.3   1.1  186  SOUTHERN MOLUCCA SEA. Mw 5.7 (GS), 5.7 (HRV). Ms 5.2 (BRK).
                                                                  Moment Tensor (GS): Dep 36; Principal axes (scale 10**17
                                                                   Nm): (T) Val=4.88, Plg=0, Azm=75; (N) Val=-0.63, Plg=38,
                                                                   Azm=344; (P) Val=-4.25, Plg=52, Azm=165; Best double
                                                                   couple: Mo=4.6*10**17 Nm; NP1: Strike=197, Dip=56,
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													Slip=-42; NP2: Strike=313, Dip=57, Slip=-138. Centroid, Moment Tensor (HRV): Centroid origin time 06:38:23.0; Lat 0.02 S; Lon 124.43 E; Dep 57.1; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=2.80, Plg=3, Azm=26; (N) Val=2.19, Plg=31, Azm=294; (P) Val=-4.99, Plg=59, Azm=122; Best double couple: Mo=3.9*10**17 Nm; NP1: Strike=145, Dip=50, Slip=-47; NP2: Strike=270, Dip=56, Slip=-129.
13	07	04	59.5*	0.164	S	124.973	E	33	N	4.7		1.2	32	SOUTHERN MOLUCCA SEA
13	07	18	50.2*	38.541	N	73.817	E	150	G	4.1		1.2	13	TAJIKISTAN-XINJIANG BORDER REG.
13	07	24	42.8*	1.752	N	126.216	E	33	N	4.5		0.9	20	NORTHERN MOLUCCA SEA
13	07	49	48.6*	12.137	N	125.626	E	33	N	4.6		0.7	20	SAMAR, PHILIPPINE ISLANDS
13	09	09	21.2*	18.489	S	177.863	W	600	G	4.0		1.2	25	FIJI ISLANDS REGION
13	09	12	51.7	34.434	N	25.596	E	33	N	3.5		1.4	32	CRETE
13	09	41	21.3	21.601	S	170.351	E	110	D	5.3		1.1	167	LOYALTY ISLANDS REGION. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:41:26.6; Lat 21.76 S; Lon 170.17 E; Dep 108.8; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=4.59, Plg=39, Azm=344; (N) Val=-0.40, Plg=34, Azm=106; (P) Val=-4.19, Plg=33, Azm=223; Best double couple: Mo=4.4*10**17 Nm; NP1: Strike=10, Dip=34, Slip=174; NP2: Strike=104, Dip=87, Slip=56.
13	09	41	43.7*	34.506	S	179.156	E	200	G	5.3		1.2	40	SOUTH OF KERMADEC ISLANDS
13	09	55	32.3?	8.57	S	118.40	E	126	?	4.5		0.9	15	SUMBAWA REGION, INDONESIA
13	10	07	08.7	4.970	N	127.397	E	75		5.4	5.0	1.0	125	TALAUD ISLANDS, INDONESIA. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:07:11.2; Lat 4.87 N; Lon 127.34 E; Dep 82.5; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=4.01, Plg=57, Azm=19; (N) Val=-1.07, Plg=19, Azm=141; (P) Val=-2.94, Plg=26, Azm=241; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=7, Dip=26, Slip=138; NP2: Strike=135, Dip=73, Slip=70.
13	10	28	27.4	15.405	S	177.754	W	390	*	4.5		0.7	64	FIJI ISLANDS REGION
13	10	31	01.2*	12.149	N	125.723	E	33	N	4.7		1.2	21	SAMAR, PHILIPPINE ISLANDS
13	10	33	54.5*	12.084	N	125.724	E	33	N	4.6		1.0	18	SAMAR, PHILIPPINE ISLANDS
13	11	05	25.8	27.519	S	69.417	W	84	*	4.0		0.4	12	NORTHERN CHILE
13	11	46	27.7*	7.021	S	129.338	E	110	?	3.9		0.9	11	BANDA SEA
13	11	56	57.8*	12.043	N	125.673	E	33	N	4.0		0.7	9	SAMAR, PHILIPPINE ISLANDS
13	11	57	24.8&	41.107	N	124.880	W	11		3.6			45	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.7 (BRK), 3.8 (GS).
13	13	01	13.5*	39.606	N	73.500	E	51	?	4.0		1.4	15	TAJIKISTAN-XINJIANG BORDER REG.
13	13	42	26.7*	6.019	S	148.366	E	57	*	4.8	4.9	1.0	30	NEW BRITAIN REGION, P.N.G.
13	13	47	55.8*	54.616	S	119.095	W	10	G	4.6		1.1	16	SOUTHERN EAST PACIFIC RISE
13	14	45	04.5*	35.868	N	71.343	E	112	?	3.6		1.3	13	PAKISTAN
13	15	45	57.7*	36.651	N	139.042	E	144		4.0		1.4	11	EASTERN HONSHU, JAPAN
13	15	58	16.3&	59.770	N	153.633	W	122		3.7			141	SOUTHERN ALASKA. <AEIC>. Felt (II) at Pedro Bay.
13	16	06	48.8?	7.41	S	129.72	E	150	G	4.4		0.8	9	BANDA SEA
13	16	50	12.4&	33.911	S	71.345	W	50	G			0.3	8	NEAR COAST OF CENTRAL CHILE
13	18	22	28.0*	15.785	S	13.100	W	10	G	4.7	4.5	1.4	44	SOUTHERN MID-ATLANTIC RIDGE
13	18	53	36.7*	33.470	N	141.568	E	33	N	4.4		1.5	10	OFF EAST COAST OF HONSHU, JAPAN
13	19	08	59.8*	13.058	N	143.163	E	210	*	4.1		0.7	20	SOUTH OF MARIANA ISLANDS
13	19	09	53.4*	52.549	N	170.540	W	33	N	3.9		1.3	10	FOX ISLANDS, ALEUTIAN ISLANDS
13	19	33	40.4	15.702	S	13.200	W	10	G	5.6	5.5	1.1	181	SOUTHERN MID-ATLANTIC RIDGE. Mw 5.6 (GS), 5.6 (HRV). Moment Tensor (GS): Dep 7; Principal axes (scale 10**17 Nm): (T) Val=3.18, Plg=2, Azm=279; (N) Val=-0.27, Plg=7, Azm=10; (P) Val=-2.91, Plg=83, Azm=175; Best double couple: Mo=3.0*10**17 Nm; NP1: Strike=2, Dip=44, Slip=-100; NP2: Strike=196, Dip=47, Slip=-80. Centroid, Moment Tensor (HRV): Centroid origin time 19:33:45.8; Lat 15.80 S; Lon 13.31 W; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.09, Plg=10, Azm=72; (N) Val=0.38, Plg=4, Azm=342; (P) Val=-3.47, Plg=79, Azm=228; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=168, Dip=35, Slip=-82; NP2: Strike=338, Dip=55, Slip=-95.
13	19	51	20.2*	9.911	N	126.122	E	33	N	4.6		1.3	28	MINDANAO, PHILIPPINE ISLANDS
13	20	09	28.9	15.635	S	13.104	W	10	G	4.8		0.9	47	SOUTHERN MID-ATLANTIC RIDGE
13	20	42	07.3*	51.395	N	16.228	E	5	G			0.4	5	POLAND. ML 2.4 (MOX).
13	20	42	22.6&	34.041	S	70.974	W	70	G			0.4	6	CHILE-ARGENTINA BORDER REGION
13	21	51	17.2?	38.28	N	22.28	E	10	G	3.7		1.5	9	GREECE
13	21	51	20.0&	59.618	N	152.201	W	65					45	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
13	21	57	48.1?	3.74	S	130.76	E	33	N	4.0		1.1	11	SERAM, INDONESIA
13	22	11	59.8?	34.42	S	70.61	W	110	G			0.4	6	CHILE-ARGENTINA BORDER REGION
13	22	48	27.4	42.211	N	21.604	E	10	G	3.2		1.3	23	NORTHWESTERN BALKAN REGION. ML 3.5 (ROM). Felt (VI) in the Skopje area. Also felt in other parts of the former Yugoslav Republic of Macedonia.
13	22	52	18.4	38.814	N	140.514	E	10	G	4.4		1.2	26	EASTERN HONSHU, JAPAN. Felt (III JMA) in the Kurikoma area.
14	00	09	19.0?	17.91	S	178.12	W	600	G	3.7		1.5	12	FIJI ISLANDS REGION
14	00	18	27.3?	17.80	S	178.09	W	600	G	3.8		0.7	13	FIJI ISLANDS REGION
14	01	11	02.8*	52.404	N	168.192	W	33	N	3.7		1.1	11	FOX ISLANDS, ALEUTIAN ISLANDS
14	01	55	02.5	40.754	N	35.340	E	10	G	5.3	5.6	1.1	316	TURKEY. Mw 5.8 (GS), 5.7 (HRV). Ms 5.6 (BRK). Nine people injured by a landslide at Oymaagac. Some damage in Amasya. Felt strongly in Cankiri, Kastamonu, Samsun, Sivas and Tokat. Moment Tensor (GS): Dep 17; Principal axes (scale 10**17 Nm): (T) Val=6.42, Plg=9, Azm=81; (N) Val=0.32, Plg=79, Azm=223; (P) Val=-6.74, Plg=6, Azm=350; Best double couple: Mo=6.6*10**17 Nm; NP1: Strike=125, Dip=79, Slip=178; NP2: Strike=215, Dip=89, Slip=11. Centroid, Moment Tensor (HRV): Centroid origin time 01:55:08.3; Lat 40.52 N; Lon 35.02 E; Dep 15.0 Fix; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=5.18, Plg=16, Azm=74; (N) Val=-1.21, Plg=70, Azm=217; (P) Val=-3.97, Plg=11, Azm=340; Best double couple:

Mo=4.6*10**17 Nm; NP1: Strike=116, Dip=70, Slip=176; NP2: Strike=208, Dip=87, Slip=20.

14	02	12	29.2?	31.51	S	178.83	W	33	N	4.5	1.5	17	KERMADEC ISLANDS REGION
14	02	25	58.9	40.910	N	35.373	E	10	G	4.0	1.0	22	TURKEY
14	02	39	02.0*	0.792	S	12.805	W	10	G	4.3	1.3	18	NORTH OF ASCENSION ISLAND
14	02	42	50.6*	28.566	N	142.689	E	33	N	4.1	0.8	11	BONIN ISLANDS REGION
14	02	57	45.6*	5.558	S	154.886	E	70	D	4.7	1.2	21	SOLOMON ISLANDS
14	02	59	41.1	40.801	N	35.370	E	10	G	5.2 5.5	1.3	267	TURKEY. Mw 5.7 (HRV). Additional damage in Amasya. Centroid, Moment Tensor (HRV): Centroid origin time 02:59:47.7; Lat 40.86 N; Lon 35.18 E; Dep 15.0 Bdy; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.79, Plg=12, Azm=61; (N) Val=1.49, Plg=69, Azm=297; (P) Val=-4.28, Plg=17, Azm=155; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=197, Dip=69, Slip=-4; NP2: Strike=288, Dip=87, Slip=-159.
14	03	01	03.7	40.329	N	35.147	E	10	G	5.2	1.3	44	TURKEY
14	03	05	27.4&	34.599	N	116.280	W	6		4.2		67	SOUTHERN CALIFORNIA. <PAS-P>. MD 4.3 (PAS). ML 4.4 (BRK), 4.3 (GS). Felt as far away as Los Angeles.
14	03	08	17.8&	57.849	N	153.406	W	52				30	KODIAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
14	03	16	50.1	30.068	S	143.435	E	10	G	4.6	1.3	14	NEW SOUTH WALES, AUSTRALIA
14	03	56	06.0	25.033	N	145.299	E	38	D	4.4	1.0	30	NORTH PACIFIC OCEAN
14	04	37	45.9	46.376	N	7.484	E	10	G		1.0	71	SWITZERLAND. ML 3.6 (STR), 3.5 (VIE), 3.4 (GRF), 3.3 (LDG), 3.3 (FUR).
14	04	38	52.8*	14.294	N	119.479	E	33	N	4.0	1.2	13	LUZON, PHILIPPINE ISLANDS
14	04	39	37.9&	46.339	N	7.490	E	10	G		0.5	7	SWITZERLAND
14	05	51	14.0*	20.205	S	68.502	W	146	*	4.0	0.6	9	CHILE-BOLIVIA BORDER REGION
14	05	58	27.3*	17.508	N	94.210	W	150	G	3.9	0.9	25	CHIAPAS, MEXICO
14	07	02	57.1&	61.956	N	151.434	W	80				60	SOUTHERN ALASKA. <AEIC>.
14	07	28	46.4&	59.747	N	152.865	W	87		4.0		128	SOUTHERN ALASKA. <AEIC>.
14	08	39	57.8&	11.171	N	61.612	W	33	N		0.4	7	WINDWARD ISLANDS. MD 3.8 (TRN).
14	09	03	31.1*	23.986	S	66.750	W	200	G	3.8	0.8	16	JUJUY PROVINCE, ARGENTINA
14	09	05	37.6?	4.58	N	124.77	E	33	N	3.9	1.3	11	CELEBES SEA
14	09	29	06.9	30.003	S	143.434	E	10	G	4.3	1.5	25	NEW SOUTH WALES, AUSTRALIA
14	09	46	44.3?	5.80	S	126.71	E	450	G	3.8	1.1	12	BANDA SEA
14	10	45	58.9*	0.463	S	132.419	E	33	N	4.8	1.3	23	IRIAN JAYA REGION, INDONESIA
14	10	51	58.3?	30.65	S	178.82	W	33	N	4.6	1.2	11	KERMADEC ISLANDS, NEW ZEALAND
14	10	57	50.2*	17.448	S	173.688	W	33	N	4.2	0.9	14	TONGA ISLANDS
14	11	04	35.9?	55.04	S	132.71	W	10	G	4.4	1.0	9	PACIFIC-ANTARCTIC RIDGE
14	11	26	22.0	26.446	S	68.006	E	10	G	4.8	1.1	34	SOUTH INDIAN OCEAN
14	12	18	40.9&	60.138	N	152.948	W	112				53	SOUTHERN ALASKA. <AEIC>.
14	12	35	02.1*	38.446	N	143.097	E	33	N	3.6	0.9	10	OFF EAST COAST OF HONSHU, JAPAN
14	12	36	05.8*	42.025	N	25.369	E	10	G	4.1	1.6	7	BULGARIA
14	12	36	10.9	45.966	N	26.627	E	129	D	4.0	1.5	38	ROMANIA
14	12	37	21.7	22.506	S	179.030	E	595	D	4.8	0.8	82	SOUTH OF FIJI ISLANDS
14	12	56	32.8*	22.348	S	178.897	E	600	G	4.1	0.9	21	SOUTH OF FIJI ISLANDS
14	13	12	39.1?	36.18	N	4.54	W	33	N		0.7	7	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD).
14	13	36	41.9*	36.257	N	26.980	E	150	G	3.8	0.9	8	DODECANESE ISLANDS
14	14	33	13.4*	36.310	N	70.751	E	89	?	4.1	0.9	10	HINDU KUSH REGION, AFGHANISTAN
14	15	39	32.5	23.857	S	179.701	E	500	G	4.4	1.1	60	SOUTH OF FIJI ISLANDS
14	16	06	50.1	37.766	N	14.945	E	10	G		0.6	9	SICILY. MD 3.2 (ROM).
14	16	17	04.8	37.877	N	14.846	E	20	G	3.6	1.5	16	SICILY. MD 3.3 (ROM).
14	16	35	01.0*	9.188	S	125.261	E	33	N	4.6	1.5	30	TIMOR REGION, INDONESIA
14	17	26	00.8	37.781	N	14.974	E	10	G		0.6	7	SICILY. MD 3.4 (ROM).
14	17	27	37.9&	35.749	N	117.474	W	10				31	CENTRAL CALIFORNIA. <PAS-P>. MD 3.3 (PAS). ML 3.0 (GS).
14	17	30	30.2	37.301	N	71.923	E	132	D	4.4	1.0	50	AFGHANISTAN-TAJIKISTAN BORD REG.
14	17	34	34.5&	60.184	N	153.301	W	124				43	SOUTHERN ALASKA. <AEIC>.
14	17	39	53.0&	62.029	N	150.000	W	47				89	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.3 (PMR).
14	17	55	28.9&	45.901	N	6.160	E	10	G		1.5	8	FRANCE. ML 2.1 (LDG).
14	18	06	58.5&	61.000	N	152.484	W	163				70	SOUTHERN ALASKA. <AEIC>.
14	18	28	43.3	38.874	N	140.363	E	49		4.1	0.8	20	EASTERN HONSHU, JAPAN
14	18	49	36.3*	32.990	S	68.936	W	20	G		0.7	12	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (SAN). Felt (III) by people in tall buildings at Mendoza.
14	19	39	13.6	11.186	N	140.232	E	33	N	3.9	1.1	17	WESTERN CAROLINE ISLANDS
14	19	45	01.5	22.457	N	45.181	W	10	G	4.3	0.8	29	NORTHERN MID-ATLANTIC RIDGE
14	20	02	32.3&	33.162	S	70.744	W	75	G		0.3	8	CHILE-ARGENTINA BORDER REGION. MD 1.7 (SAN).
14	20	18	29.1*	16.481	S	69.311	W	197		3.8	0.8	17	PERU-BOLIVIA BORDER REGION
14	20	28	02.9*	50.496	N	18.879	E	10	G		1.0	6	POLAND
14	21	23	47.4	42.547	S	73.587	W	33	N	4.9 5.0	0.8	34	SOUTHERN CHILE. Mw 5.2 (HRV). Felt (IV) at Ancud and Castro. Centroid, Moment Tensor (HRV): Centroid origin time 21:23:49.0; Lat 42.36 S; Lon 72.81 W; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.74, Plg=33, Azm=69; (N) Val=-3.01, Plg=29, Azm=317; (P) Val=-5.73, Plg=43, Azm=196; Best double couple: Mo=7.2*10**16 Nm; NP1: Strike=215, Dip=29, Slip=-11; NP2: Strike=314, Dip=85, Slip=-119.
14	21	37	37.8*	49.151	N	152.613	E	200	G	3.7	0.7	12	NORTHWEST OF KURIL ISLANDS
14	23	38	21.5	37.455	N	75.171	E	33	N	4.5	0.9	61	TAJIKISTAN-XINJIANG BORDER REG.
14	23	48	23.2&	63.230	N	151.499	W	0				28	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
15	00	22	19.6?	24.58	N	122.91	E	33	N	3.9	0.8	6	TAIWAN REGION
15	00	39	16.0*	64.844	N	170.210	W	10	G	3.8 4.1	0.8	25	BERING STRAIT
15	01	50	14.9	37.787	N	14.948	E	10	G	4.0	0.7	11	SICILY. MD 3.5 (ROM).
15	01	59	59.7*	40.833	N	35.112	E	10	G	3.3	1.2	15	TURKEY
15	03	07	38.6?	34.18	N	24.75	E	33	N	3.8	1.3	16	CRETE
15	04	05	09.7*	22.580	S	174.994	W	33	N	4.9 4.7	1.2	54	TONGA ISLANDS REGION
15	04	19	58.8	37.538	N	75.245	E	79	*	4.4	0.9	50	TAJIKISTAN-XINJIANG BORDER REG.
15	04	24	59.5&	46.863	N	5.628	E	10	G		1.0	7	FRANCE
15	05	12	10.3?	6.37	S	128.15	E	400	G	4.0	1.5	10	BANDA SEA
15	06	19	12.3*	32.533	N	40.972	W	10	G	3.9 4.2	0.5	10	NORTHERN MID-ATLANTIC RIDGE
15	06	25	30.4	17.348	S	71.143	W	58	D	5.1	1.0	150	NEAR COAST OF PERU. Mw 5.4 (HRV). Felt (V) at Arica, Chile and (IV) at Arequipa. Centroid, Moment Tensor (HRV): Centroid origin time 06:25:36.8; Lat 17.45 S; Lon 71.25 W; Dep 72.0; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)

													Val=1.33, Plg=31, Azm=114; (N) Val=-0.19, Plg=39, Azm=232; (P) Val=-1.15, Plg=36, Azm=358; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=149, Dip=39, Slip=-174; NP2: Strike=55, Dip=87, Slip=-51.
15	07	33	50.5	13.302	S	166.838	E	33	N	5.7 6.0	1.2	268	VANUATU ISLANDS. Mw 6.2 (HRV), 6.1 (GS). Me 6.1 (GS). Ms 6.1 (BRK).
													Broadband Source Parameters (GS): Dep 39; NP1: Strike=333, Dip=57, Slip=50; NP2: Strike=210, Dip=50, Slip=135; Radiated energy 3.5*10**13 Nm. Two events about 2.5 seconds apart. Depth based on first event.
													Moment Tensor (GS): Dep 33; Principal axes (scale 10**18 Nm): (T) Val=1.80, Plg=81, Azm=264; (N) Val=0.01, Plg=0, Azm=171; (P) Val=-1.81, Plg=9, Azm=81; Best double couple: Mo=1.8*10**18 Nm; NP1: Strike=170, Dip=36, Slip=89; NP2: Strike=351, Dip=54, Slip=91.
													Centroid, Moment Tensor (HRV): Centroid origin time 07:33:59.9; Lat 13.30 S; Lon 166.50 E; Dep 48.5; Half-duration 3.1 sec; Principal axes (scale 10**18 Nm): (T) Val=2.30, Plg=81, Azm=272; (N) Val=0.08, Plg=1, Azm=175; (P) Val=-2.38, Plg=9, Azm=85; Best double couple: Mo=2.3*10**18 Nm; NP1: Strike=173, Dip=36, Slip=88; NP2: Strike=356, Dip=54, Slip=91.
													Scalar Moment (PPT): Mo=3.9*10**18 Nm.
15	08	53	52.9&	36.234	N	120.678	W	10				9	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
15	09	34	04.9*	15.419	S	173.374	W	33	N	4.5	0.9	50	TONGA ISLANDS. Felt (I) at Apia, Western Samoa.
15	10	55	06.6*	40.583	N	35.312	E	10	G	3.9	1.0	16	TURKEY
15	11	45	55.8	8.253	S	148.474	E	86	*	4.1	0.9	25	EASTERN NEW GUINEA REG., P.N.G.
15	12	17	52.5&	33.963	N	116.888	W	18				31	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.3 (PAS). ML 3.1 (GS). Felt.
15	13	23	39.8&	61.697	N	150.331	W	47				52	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
15	13	54	13.3	47.491	N	8.953	E	10	G		1.1	15	SWITZERLAND. ML 2.7 (STR), 2.6 (LDG).
15	15	26	53.7*	43.149	N	126.389	W	10	G		0.5	41	OFF COAST OF OREGON
15	15	57	09.9*	6.326	S	153.329	E	33	N	4.7	1.1	24	NEW BRITAIN REGION, P.N.G.
15	16	03	32.5	36.023	N	139.785	E	55	D	4.6	1.0	56	EASTERN HONSHU, JAPAN
15	16	31	39.3	43.926	N	28.642	W	10	G	4.7 4.5	1.1	105	NORTHERN MID-ATLANTIC RIDGE
15	16	36	09.3&	60.191	N	138.314	W	8				20	SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 2.7 (AEIC).
15	16	36	37.2%	37.157	N	3.733	W	10	G		0.9	10	SPAIN. mbLg 2.3 (MDD).
15	17	39	13.7	42.845	N	2.570	E	10	G		1.1	53	PYRENEES. ML 3.4 (STR), 3.4 (LDG). mbLg 3.2 (MDD).
15	18	12	05.9&	60.385	N	149.043	W	27		2.8		72	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
15	19	36	27.1*	23.831	S	179.962	E	500	G	4.6	1.1	41	SOUTH OF FIJI ISLANDS
15	19	39	45.1%	15.401	N	60.963	W	142	*		0.3	12	LEEWARD ISLANDS. MD 4.0 (TRN).
15	20	07	29.9&	49.076	N	112.405	W	5	G			18	ALBERTA, CANADA. <PGC-P>. mbLg 3.6 (PGC). ML 3.4 (GS). Felt at Lethbridge.
15	20	35	03.8*	37.274	N	142.589	E	33	N	3.9	1.0	9	OFF EAST COAST OF HONSHU, JAPAN
15	21	08	54.9&	59.910	N	151.390	W	67				69	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
15	21	19	18.3*	50.027	N	28.953	W	10	G	3.9 3.4	0.6	18	NORTHERN MID-ATLANTIC RIDGE
15	23	46	13.6*	3.584	S	131.163	E	33	N	4.7	1.3	30	IRIAN JAYA REGION, INDONESIA
16	00	02	53.0*	32.941	N	140.998	E	33	N	4.3	1.4	17	SOUTH OF HONSHU, JAPAN
16	00	52	05.8	44.270	N	7.353	E	10	G		1.4	13	NORTHERN ITALY. ML 1.9 (LDG), 1.8 (GEN).
16	01	01	32.9*	38.614	N	7.812	W	10	G		0.5	13	PORTUGAL. mbLg 2.9 (MDD). Felt (III) in the Evora area.
16	01	09	30.1%	44.364	N	7.318	E	10	G		0.5	7	NORTHERN ITALY. ML 1.8 (GEN).
16	01	14	02.9*	12.264	N	144.017	E	43	*	4.3	1.1	30	SOUTH OF MARIANA ISLANDS
16	01	32	23.9%	49.021	N	1.825	W	10	G		0.4	6	FRANCE. ML 1.6 (LDG).
16	01	48	32.0?	10.66	S	165.98	E	33	N	4.2	0.9	9	SANTA CRUZ ISLANDS
16	01	51	23.8%	33.331	S	72.295	W	5	G		0.5	10	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
16	02	57	27.9*	11.695	N	125.940	E	33	N	4.4	1.1	15	SAMAR, PHILIPPINE ISLANDS
16	03	00	15.5	19.129	N	49.015	W	10	G	3.9 3.8	1.0	16	NORTH ATLANTIC OCEAN
16	03	41	10.6	51.322	N	130.410	W	10	G	4.5 4.6	1.2	114	QUEEN CHARLOTTE ISLANDS REGION. ML 4.5 (PGC).
16	04	56	46.0&	49.210	N	82.920	W	18	G	3.5		17	ONTARIO, CANADA. <OTT-P>. mbLg 3.6 (OTT).
16	06	00	06.6	16.832	N	61.456	W	55		4.4 3.9	0.9	50	LEEWARD ISLANDS. MD 4.6 (TRN).
16	06	06	27.4*	49.720	S	114.193	E	10	G	4.3	1.4	16	SOUTH OF AUSTRALIA
16	06	11	07.2	46.772	N	8.705	E	10	G		1.4	9	SWITZERLAND. ML 2.6 (VIE).
16	06	16	30.3*	44.386	N	8.752	E	10	G		1.2	16	NORTHERN ITALY. ML 2.6 (LDG), 2.4 (GEN).
16	07	28	17.3%	46.451	N	6.161	E	5	G		1.0	13	SWITZERLAND. ML 2.3 (LDG).
16	08	00	44.8*	18.317	S	87.361	E	10	G	4.2	1.0	21	SOUTH INDIAN OCEAN
16	08	04	07.9*	14.805	S	176.582	W	33	N	4.6	0.9	55	FIJI ISLANDS REGION
16	08	41	57.9	58.635	S	25.026	W	33	N	5.0	1.0	81	SOUTH SANDWICH ISLANDS REGION. Mw 5.5 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 08:42:03.8; Lat 59.08 S; Lon 25.04 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.37, Plg=62, Azm=309; (N) Val=-0.21, Plg=6, Azm=207; (P) Val=-2.16, Plg=27, Azm=114; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=189, Dip=19, Slip=71; NP2: Strike=29, Dip=72, Slip=96.
16	09	04	52.0	49.476	N	155.793	E	33	N	5.2 4.9	0.9	257	KURIL ISLANDS. Felt (IV) at Severo-Kurilsk.
16	09	24	00.5*	14.792	S	176.484	W	33	N	4.6	1.3	50	FIJI ISLANDS REGION
16	09	27	02.6*	14.594	S	176.611	W	33	N	4.8	1.4	82	FIJI ISLANDS REGION
16	09	31	58.8	14.707	S	176.286	W	33	N	5.0 5.4	1.2	112	FIJI ISLANDS REGION. Mw 5.6 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 09:32:01.0; Lat 14.59 S; Lon 175.95 W; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.15, Plg=6, Azm=142; (N) Val=-0.09, Plg=84, Azm=293; (P) Val=-3.07, Plg=3, Azm=52; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=187, Dip=84, Slip=178; NP2: Strike=277, Dip=88, Slip=6.
16	09	54	40.9	51.305	N	130.343	W	10	G	4.3	1.3	75	QUEEN CHARLOTTE ISLANDS REGION. ML 4.3 (PGC).
16	09	58	15.2*	0.160	N	123.930	E	33	N	4.2	1.3	23	MINAHASSA PENINSULA, SULAWESI
16	10	41	19.6	39.358	N	116.649	W	5	G		0.6	25	NEVADA. ML 3.7 (GS). MD 3.6 (REN).
16	11	28	20.0*	21.338	S	177.486	W	400	G	4.2	1.1	28	FIJI ISLANDS REGION
16	11	58	44.2*	11.910	S	127.215	E	33	N	4.1	0.9	5	TIMOR SEA
16	12	51	11.6*	43.345	N	147.734	E	33	N	4.2	1.4	11	KURIL ISLANDS
16	12	51	23.5	0.068	S	66.997	E	10	G	4.9 4.6	1.2	104	CARLSBERG RIDGE. Mw 5.2 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time

													12:51:26.8; Lat 0.61 S; Lon 67.36 E; Dep 15.0 Bdy; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=8.71, Plg=0, Azm=228; (N) Val=-2.84, Plg=0, Azm=138; (P) Val=-5.87, Plg=90, Azm=180; Best double couple: Mo=7.3*10**16 Nm; NP1: Strike=318, Dip=45, Slip=-90; NP2: Strike=138, Dip=45, Slip=-90.
16	12	56	32.4	0.032	S	66.997	E	10	G	4.9	1.0	80	CARLSBERG RIDGE
16	13	27	17.7&	34.596	N	116.274	W	6				7	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.7 (PAS).
16	13	27	42.8&	34.606	N	116.284	W	6				7	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.9 (PAS).
16	13	36	34.7	4.340	S	155.039	E	495	D	4.8	1.0	84	SOLOMON ISLANDS
16	14	22	21.7*	0.838	N	126.218	E	33	N	4.3	1.2	18	NORTHERN MOLUCCA SEA
16	14	34	10.5?	9.61	S	107.61	E	33	N	3.3	0.6	8	SOUTH OF JAWA, INDONESIA
16	14	48	22.3*	16.540	N	98.825	W	33	N	4.6	0.9	46	NEAR COAST OF GUERRERO, MEXICO
16	14	57	05.3&	37.201	N	3.011	W	10	G		0.4	8	SPAIN. mbLg 2.6 (MDD).
16	15	16	46.5*	15.568	S	176.001	W	33	N	4.6 4.8	1.1	34	FIJI ISLANDS REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:16:51.4; Lat 14.40 S; Lon 176.38 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.40, Plg=33, Azm=141; (N) Val=-3.99, Plg=57, Azm=321; (P) Val=-4.41, Plg=0, Azm=51; Best double couple: Mo=6.4*10**16 Nm; NP1: Strike=181, Dip=67, Slip=155; NP2: Strike=281, Dip=67, Slip=25.
16	15	31	40.1&	37.206	N	3.033	W	10	G		0.4	6	SPAIN. mbLg 2.1 (MDD).
16	16	32	09.1*	0.077	S	67.016	E	10	G	4.4	1.0	22	CARLSBERG RIDGE
16	17	00	42.2*	40.148	N	143.759	E	33	N	4.2	1.1	12	OFF EAST COAST OF HONSHU, JAPAN
16	17	29	17.3	7.453	N	126.856	E	33	N	4.9 4.9	1.1	65	MINDANAO, PHILIPPINE ISLANDS
16	18	07	05.2*	52.876	N	167.035	W	33	N	3.9	0.8	12	FOX ISLANDS, ALEUTIAN ISLANDS
16	19	19	21.5?	14.87	S	176.42	W	33	N	4.3	1.5	34	FIJI ISLANDS REGION
16	19	24	12.0*	27.099	S	177.012	W	33	N	4.3	1.2	21	KERMADEC ISLANDS REGION
16	19	39	42.4*	26.635	S	177.216	W	33	N	4.4	1.1	26	SOUTH OF FIJI ISLANDS
16	19	44	04.9*	36.907	N	70.765	E	33	N	4.0	0.9	9	HINDU KUSH REGION, AFGHANISTAN
16	21	11	07.8	52.704	N	166.929	W	33	N	4.4	1.1	48	FOX ISLANDS, ALEUTIAN ISLANDS
16	22	17	55.9?	2.38	S	134.33	E	33	N	3.8	0.6	8	IRIAN JAYA REGION, INDONESIA
16	23	10	02.2?	14.86	S	175.82	W	33	N	4.0	1.6	22	SAMOA ISLANDS REGION
16	23	12	51.3?	0.37	N	122.13	E	33	N	4.3	0.9	13	MINAHASSA PENINSULA, SULAWESI
16	23	39	38.4?	24.42	N	94.97	E	33	N	4.1	0.5	6	MYANMAR-INDIA BORDER REGION
16	23	40	16.8*	4.716	N	80.797	W	33	N	4.0	0.9	9	SOUTH OF PANAMA
17	01	03	04.0	44.727	N	148.520	E	33	N	4.3	0.8	48	KURIL ISLANDS
17	01	28	49.9	43.056	N	0.403	W	10	G		1.2	8	PYRENEES. ML 2.8 (LDG). mbLg 2.8 (MDD).
17	01	30	04.4*	70.365	N	15.422	W	10	G	3.8	1.5	15	JAN MAYEN ISLAND REGION
17	01	42	00.0	70.172	N	15.466	W	10	G	4.5 4.3	1.2	84	JAN MAYEN ISLAND REGION
17	01	44	31.3	45.826	N	6.114	E	10	G		0.5	12	FRANCE. ML 2.0 (LDG).
17	01	45	17.9*	6.375	S	145.911	E	33	N	3.9	1.3	10	NEW GUINEA, PAPUA NEW GUINEA
17	01	51	31.6&	46.110	N	0.133	E	10	G		1.5	11	FRANCE. ML 2.1 (LDG).
17	03	29	13.4&	37.561	N	118.755	W	5				31	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM).
17	03	40	56.7?	2.38	N	127.82	E	33	N	4.2	1.1	10	NORTHERN MOLUCCA SEA
17	03	48	21.3&	37.098	N	2.801	W	10	G		0.4	6	SPAIN. mbLg 2.3 (MDD).
17	04	00	01.1	70.411	N	15.452	W	10	G	3.5	0.9	14	JAN MAYEN ISLAND REGION
17	04	12	50.0	6.913	N	72.875	W	150	G	4.1	1.0	21	NORTHERN COLOMBIA
17	04	24	06.7*	70.329	N	15.381	W	10	G	3.9 3.7	1.4	23	JAN MAYEN ISLAND REGION
17	04	30	11.3	43.464	N	146.925	E	33	N	4.6	0.9	62	KURIL ISLANDS
17	04	51	39.1	51.291	N	176.607	W	33	N	4.3	0.9	25	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
17	05	20	30.6	46.610	N	152.617	E	33	N	4.4 4.0	0.9	43	KURIL ISLANDS
17	05	53	05.1?	28.05	N	141.51	E	33	N	4.4	0.4	5	BONIN ISLANDS REGION
17	06	02	16.4*	27.971	N	139.779	E	423	*	4.0	0.8	11	BONIN ISLANDS REGION
17	06	29	13.7	44.555	N	147.859	E	33	N	5.1	1.0	168	KURIL ISLANDS
17	06	40	06.6	46.105	N	6.291	E	5	G		1.5	36	SWITZERLAND. ML 2.6 (LDG), 2.6 (STR).
17	06	49	16.4*	32.965	S	71.190	W	50	G		1.1	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
17	08	36	19.6*	18.728	S	67.310	W	241	*	4.1	1.3	25	CENTRAL BOLIVIA
17	09	53	22.6	50.488	N	18.953	E	10	G	2.8	1.0	12	POLAND
17	09	58	01.1&	14.904	S	73.520	W	33	N	3.9	0.5	8	CENTRAL PERU
17	10	06	25.5*	7.755	N	127.035	E	33	N	4.1	1.0	8	PHILIPPINE ISLANDS REGION
17	11	23	50.1*	12.669	N	89.525	W	33	N	3.5	1.0	15	OFF COAST OF CENTRAL AMERICA. MD 3.3 (SSS). Felt (II) at San Salvador, El Salvador.
17	11	50	41.1?	34.38	S	71.42	W	10	G		0.2	7	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
17	12	00	09.9	35.485	N	140.900	E	33	N	5.1 4.9	0.9	146	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:00:17.7; Lat 35.93 N; Lon 141.48 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=6.39, Plg=67, Azm=177; (N) Val=0.48, Plg=22, Azm=19; (P) Val=-6.88, Plg=8, Azm=286; Best double couple: Mo=6.6*10**16 Nm; NP1: Strike=353, Dip=42, Slip=56; NP2: Strike=215, Dip=56, Slip=117.
17	14	05	06.9&	63.254	N	151.097	W	7				53	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.9 (PMR).
17	15	47	59.1&	33.592	N	75.730	E	33	N	3.4	1.5	6	EASTERN KASHMIR
17	15	54	07.6	43.969	N	15.410	E	33	N	3.8	1.2	116	ADRIATIC SEA. ML 4.3 (LDG), 3.8 (ROM). Felt (VI) in the Vodice, Croatia area.
17	16	07	56.3*	55.246	N	162.378	E	33	N	4.1	1.4	12	NEAR EAST COAST OF KAMCHATKA
17	17	30	53.4?	32.44	S	70.02	W	120	G		0.4	10	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
17	17	32	38.6*	6.025	S	103.841	E	33	N	4.4	1.1	21	SOUTHWEST OF SUMATERA, INDONESIA
17	17	43	09.1*	6.040	S	154.184	E	33	N	4.2	1.0	22	SOLOMON ISLANDS
17	17	49	55.8*	5.427	S	146.326	E	33	N	3.7	1.3	16	EASTERN NEW GUINEA REG., P.N.G.
17	18	30	19.0&	36.976	N	3.841	W	10	G		1.0	12	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
17	19	29	06.3	44.387	N	7.356	E	10	G		0.8	38	NORTHERN ITALY. ML 2.7 (GEN), 2.5 (STR), 2.5 (LDG).
17	19	52	41.9	44.364	N	7.307	E	10	G		0.4	14	NORTHERN ITALY. ML 2.3 (GEN).
17	20	05	18.6	44.374	N	7.282	E	10	G		0.3	21	NORTHERN ITALY. ML 2.5 (GEN), 2.3 (LDG).
17	20	51	19.5&	45.997	N	6.326	E	10	G		1.5	12	FRANCE. ML 2.0 (LDG).
17	21	35	23.0?	53.97	S	133.30	W	10	G	4.4	1.4	14	PACIFIC-ANTARCTIC RIDGE
17	22	27	09.6?	26.90	S	176.97	W	33	N	3.9	0.7	9	SOUTH OF FIJI ISLANDS
18	00	11	05.3?	36.04	N	22.03	E	10	G	3.7	0.7	8	SOUTHERN GREECE
18	00	27	18.4*	44.691	N	148.206	E	33	N	3.7	1.1	11	KURIL ISLANDS
18	01	18	18.2&	36.798	N	5.565	W	10	G		0.8	9	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
18	01	36	31.6&	47.830	N	7.478	E	10	G		0.2	5	SWITZERLAND. ML 1.1 (LDG).

18	01	47	37.8	44.148	N	10.081	E	10	G			1.4	13	NORTHERN ITALY. ML 2.1 (LDG).
18	02	48	00.9	25.875	N	90.156	E	18		4.4		1.0	32	INDIA-BANGLADESH BORDER REGION
18	03	30	09.1&	47.951	N	7.042	E	5	G			0.6	5	SWITZERLAND. ML 1.6 (LDG).
18	04	03	42.3	43.946	N	15.412	E	10	G	3.8		1.4	75	ADRIATIC SEA. ML 4.0 (LDG), 3.5 (ROM).
18	04	07	32.9&	36.463	N	2.645	W	10	G			0.7	13	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
18	04	16	57.8&	38.815	N	73.361	E	33	N	4.1		1.1	6	TAJIKISTAN-XINJIANG BORDER REG.
18	04	33	43.4?	32.54	S	71.76	W	20	G			0.4	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
18	05	04	59.0?	12.38	S	172.36	E	33	N	4.3		1.3	31	SANTA CRUZ ISLANDS REGION
18	05	31	57.7	39.024	N	78.962	E	33	N	4.1		1.0	28	SOUTHERN XINJIANG, CHINA
18	06	52	51.0*	32.829	S	71.821	W	10	G			0.8	12	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
18	07	16	10.8	0.696	N	30.021	W	10	G	5.0	5.2	1.4	171	CENTRAL MID-ATLANTIC RIDGE. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:16:20.8; Lat 0.81 N; Lon 30.12 W; Dep 15.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.39, Plg=12, Azm=221; (N) Val=0.14, Plg=75, Azm=5; (P) Val=-6.54, Plg=9, Azm=129; Best double couple: Mo=6.5*10**17 Nm; NP1: Strike=265, Dip=75, Slip=177; NP2: Strike=355, Dip=88, Slip=15.
18	07	50	05.3*	36.007	N	69.589	E	126	*	4.0		1.0	13	HINDU KUSH REGION, AFGHANISTAN
18	08	21	04.5&	47.353	N	0.339	E	5	G			1.5	14	FRANCE. ML 2.7 (LDG).
18	08	43	42.3	35.873	S	71.370	W	91	D	4.9		1.0	78	CENTRAL CHILE. MD 4.8 (SAN). Felt (IV) at Talca and (III) at Cauquenes, Chillan, Constitucion, Curico, Iloca, Licanten, Linares and San Carlos.
18	08	56	55.5&	59.038	N	152.450	W	79					68	SOUTHERN ALASKA. <AEIC>.
18	09	36	26.9	48.037	N	147.676	E	400	G	4.7		0.7	158	SEA OF OKHOTSK
18	10	22	35.1	6.542	S	123.163	E	550	G	5.0		0.7	64	BANDA SEA
18	10	54	36.4&	61.289	N	151.158	W	56					59	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
18	10	58	46.0*	13.387	S	111.204	W	10	G	4.6	4.6	1.2	32	CENTRAL EAST PACIFIC RISE
18	12	28	13.8&	60.025	N	149.380	W	0					59	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
18	12	36	06.0*	19.026	N	145.523	E	244	*	3.6		0.7	18	MARIANA ISLANDS
18	13	19	06.0*	34.334	N	140.450	E	71	D	4.3		1.2	17	NEAR EAST COAST OF HONSHU, JAPAN
18	13	39	10.8?	34.33	S	77.63	E	10	G	3.9		0.9	6	MID-INDIAN RIDGE
18	14	11	07.3&	59.763	N	152.785	W	88					101	SOUTHERN ALASKA. <AEIC>.
18	14	18	51.0	35.604	N	84.951	E	33	N	4.1		1.0	18	XIZANG
18	15	02	12.9	36.245	N	27.285	E	33	N	4.4		1.3	110	DODECANESE ISLANDS
18	15	29	14.6	38.917	N	140.572	E	33	N	4.4		0.8	28	EASTERN HONSHU, JAPAN
18	15	31	22.1?	37.86	S	78.05	E	10	G	4.3		1.4	10	MID-INDIAN RIDGE
18	15	50	03.6&	63.432	N	151.879	W	5					35	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.6 (PMR).
18	16	07	46.9?	2.97	S	128.74	E	33	N	4.2		1.2	11	CERAM SEA
18	16	17	43.5&	66.570	N	151.216	W	77					12	NORTHERN ALASKA. <AEIC>.
18	16	41	26.3	1.063	N	120.448	E	33	N	4.9	4.5	1.2	43	MINAHASSA PENINSULA, SULAWESI
18	16	49	00.0&	44.454	N	7.298	E	10	G			0.2	5	NORTHERN ITALY. ML 1.9 (GEN).
18	17	26	43.9*	37.049	S	78.071	E	10	G	4.8		1.4	29	MID-INDIAN RIDGE
18	18	01	07.6?	21.64	S	170.44	E	33	N	4.5		1.4	21	LOYALTY ISLANDS REGION
18	18	02	22.8*	40.264	N	124.967	W	10	G			0.9	13	NEAR COAST OF NORTHERN CALIF. ML 2.9 (GS).
18	18	11	28.9?	17.44	S	178.62	W	500	G	3.9		1.1	23	FIJI ISLANDS REGION
18	18	21	51.4&	61.525	N	151.215	W	5					52	SOUTHERN ALASKA. <AEIC>. ML 2.4 (AEIC), 2.9 (PMR).
18	18	22	16.3*	51.572	N	159.591	E	33	N	4.1		1.1	26	OFF EAST COAST OF KAMCHATKA
18	18	25	48.3?	40.71	N	34.19	E	10	G	3.7		1.4	6	TURKEY
18	18	31	35.8&	62.561	N	149.104	W	58					51	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
18	18	35	28.7?	11.19	N	125.56	E	33	N	4.3		1.5	15	SAMAR, PHILIPPINE ISLANDS
18	18	45	08.3*	34.523	N	139.723	E	113		3.9		0.9	18	NEAR S. COAST OF HONSHU, JAPAN
18	19	30	28.4*	27.644	S	68.884	W	100	G	3.4		1.5	12	CHILE-ARGENTINA BORDER REGION
18	19	52	23.8&	61.967	N	151.003	W	63					94	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.2 (PMR).
18	20	05	41.3?	41.13	N	79.14	E	33	N	3.7		0.8	8	KYRGYZSTAN-XINJIANG BORDER REG.
18	20	49	29.1&	59.982	N	140.638	W	7					22	SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC).
18	21	20	10.2*	13.059	N	57.938	E	25	D	4.1		1.4	14	ARABIAN SEA
18	21	38	08.3	43.180	N	1.054	W	10	G			0.9	7	PYRENEES. mbLg 2.6 (MDD). ML 2.4 (LDG).
18	22	36	19.2*	31.713	S	69.027	W	170	G			0.7	13	SAN JUAN PROVINCE, ARGENTINA. MD 2.6 (SAN).
18	22	55	26.3	10.920	N	62.320	W	100	D	4.2		1.1	31	NEAR COAST OF VENEZUELA
18	23	30	58.1?	27.15	S	177.54	W	200	G	4.1		1.4	13	KERMADEC ISLANDS REGION
18	23	42	23.7	14.339	N	60.724	W	100		4.3		0.9	26	WINDWARD ISLANDS
19	00	51	12.8&	45.940	N	6.174	E	5	G			0.9	11	FRANCE. ML 2.0 (LDG).
19	01	05	38.1	39.341	N	25.985	E	33	N	4.5		1.1	152	AEGEAN SEA. Felt at Ayvacik, Bayramic, Ezine and Izmir, Turkey.
19	02	40	23.4	54.622	N	161.020	W	33	N	4.4		1.0	76	ALASKA PENINSULA. ML 4.1 (PMR), 3.6 (AEIC).
19	02	56	02.9&	60.038	N	153.148	W	1					76	SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.6 (PMR).
19	03	06	42.9?	28.06	N	139.16	E	400	G	3.5		0.2	7	BONIN ISLANDS REGION
19	03	08	46.0*	37.754	N	20.817	E	33	N	3.8		1.1	17	IONIAN SEA
19	03	13	16.1	48.088	N	147.699	E	300	G	3.7		1.5	9	SEA OF OKHOTSK
19	04	19	16.1	51.451	N	178.367	W	33	N	5.7	5.6	0.9	391	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 6.0 (HRV), 5.9 (GS). Me 5.8 (GS). ML 5.7 (PMR). Ms 5.4 (BRK). Felt (III) on Adak. Broadband Source Parameters (GS): Dep 28; NP1: Strike=50, Dip=65, Slip=75; NP2: Strike=262, Dip=29, Slip=119; Radiated energy 1.2*10**13 Nm. Moment Tensor (GS): Dep 24; Principal axes (scale 10**17 Nm): (T) Val=9.09, Plg=61, Azm=290; (N) Val=0.18, Plg=22, Azm=67; (P) Val=-9.27, Plg=18, Azm=165; Best double couple: Mo=9.2*10**17 Nm; NP1: Strike=285, Dip=34, Slip=133; NP2: Strike=57, Dip=66, Slip=66. Centroid, Moment Tensor (HRV): Centroid origin time 04:19:19.7; Lat 51.43 N; Lon 178.02 W; Dep 42.1; Half-duration 2.6 sec; Principal axes (scale 10**18 Nm): (T) Val=1.08, Plg=66, Azm=307; (N) Val=0.06, Plg=10, Azm=61; (P) Val=-1.14, Plg=21, Azm=155; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=263, Dip=25, Slip=114; NP2: Strike=56, Dip=67, Slip=79.
19	04	49	55.9	10.958	S	76.344	W	33	N	4.5		1.0	14	CENTRAL PERU. Felt (IV) at Canta, Huaral and Lima; (II) at Huacho.
19	05	29	57.6	7.917	N	126.521	E	91		4.8		1.0	40	MINDANAO, PHILIPPINE ISLANDS
19	06	02	30.4*	36.627	N	141.110	E	50	G	4.0		0.9	9	NEAR EAST COAST OF HONSHU, JAPAN
19	06	24	11.0	41.523	S	80.416	E	10	G	5.4	5.9	1.4	74	MID-INDIAN RIDGE. Mw 6.1 (GS), 5.9 (HRV). Moment Tensor (GS): Dep 11; Principal axes (scale 10**18

Nm): (T) Val=1.81, Plg=11, Azm=351; (N) Val=-0.21, Plg=79, Azm=174; (P) Val=-1.60, Plg=1, Azm=81; Best double couple: Mo=1.7*10**18 Nm; NP1: Strike=127, Dip=82, Slip=7; NP2: Strike=36, Dip=83, Slip=172.
Centroid, Moment Tensor (HRV): Centroid origin time 06:24:16.8; Lat 41.53 S; Lon 80.07 E; Dep 15.0 Fix; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=8.87, Plg=13, Azm=1; (N) Val=-0.54, Plg=67, Azm=238; (P) Val=-8.33, Plg=19, Azm=95; Best double couple: Mo=8.6*10**17 Nm; NP1: Strike=137, Dip=68, Slip=-4; NP2: Strike=229, Dip=86, Slip=-158.

19	06	55	14.3*	55.655	N	161.052	E	100	G	4.1		0.8	26	NEAR EAST COAST OF KAMCHATKA
19	07	17	49.5	33.252	N	141.660	E	33	N	4.6		1.0	48	OFF EAST COAST OF HONSHU, JAPAN
19	08	00	03.2*	35.851	N	27.573	E	33	N	3.7		1.0	9	DODECANESE ISLANDS
19	08	00	16.2	31.403	S	117.835	E	10	G			0.7	7	WESTERN AUSTRALIA
19	08	31	38.5*	3.034	N	65.174	E	10	G	4.5		0.9	16	CARLSBERG RIDGE
19	08	52	14.9?	0.37	N	123.30	E	33	N	4.3		1.1	12	MINAHASSA PENINSULA, SULAWESI
19	08	58	02.0?	20.13	S	179.03	W	500	G	4.4		1.1	21	FIJI ISLANDS REGION
19	10	34	22.7	40.319	N	127.216	W	10	G			0.9	52	OFF COAST OF NORTHERN CALIFORNIA. Mw 3.8 (BRK). ML 4.0 (BRK). Scalar Moment (BRK): Mo=5.7*10**14 Nm.
19	10	35	17.4?	26.35	S	177.73	W	100	G	3.9		1.2	6	SOUTH OF FIJI ISLANDS
19	11	49	23.4*	19.816	S	133.952	E	10	G			1.4	5	NORTHERN TERRITORY, AUSTRALIA
19	14	00	09.1&	60.612	N	148.481	W	30					87	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.6 (AEIC), 3.3 (PMR).
19	15	03	37.1%	38.197	N	1.717	W	10	G			0.6	6	SPAIN. mbLg 2.6 (MDD).
19	15	05	49.6&	32.964	N	119.138	W	6					28	OFF COAST OF CALIFORNIA. <PAS-P>. MD 3.3 (PAS). ML 3.5 (GS).
19	15	26	24.2	41.524	S	80.153	E	10	G	4.6		0.9	21	MID-INDIAN RIDGE
19	15	29	05.3*	34.081	N	134.424	E	33	N	3.9		1.2	6	NEAR S. COAST OF WESTERN HONSHU
19	16	24	03.0	13.988	N	91.574	W	33	N	4.4	4.1	1.1	53	NEAR COAST OF GUATEMALA
19	16	28	15.1*	32.020	N	137.775	E	300	G	3.6		1.5	11	SOUTH OF HONSHU, JAPAN
19	17	11	32.0*	10.968	N	62.060	W	50	G			0.5	6	NEAR COAST OF VENEZUELA
19	17	11	54.2&	60.102	N	151.448	W	60					49	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
19	17	20	40.0&	60.852	N	149.874	W	38					67	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
19	17	40	18.2*	22.003	S	68.507	W	130	G	4.3		1.3	24	NORTHERN CHILE
19	18	19	41.7*	3.872	S	134.536	E	33	N	4.7		1.1	25	IRIAN JAYA REGION, INDONESIA
19	19	17	48.2*	51.306	N	15.764	E	10	G			1.4	10	POLAND
19	19	24	33.1?	43.85	N	8.11	E	10	G			0.2	5	CORSICA. ML 2.0 (LDG).
19	22	03	53.0	51.727	N	16.145	E	10	G			1.0	24	POLAND. ML 4.2 (GRF), 3.8 (VIE), 3.6 (MOX).
19	22	54	39.6&	61.029	N	150.158	W	37					89	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.1 (PMR).
19	23	08	07.6*	15.255	S	167.754	E	100	G	4.5		1.2	42	VANUATU ISLANDS
19	23	12	17.4*	17.645	S	178.794	W	550	G	4.8		0.8	24	FIJI ISLANDS REGION
20	00	01	05.0?	13.94	N	91.45	W	33	N			1.5	6	NEAR COAST OF GUATEMALA
20	00	11	00.3	77.860	N	7.564	E	10	G	5.3	5.0	1.1	188	SVALBARD REGION. Mw 5.2 (HRV), 5.1 (GS). Moment Tensor (GS): Dep 6; Principal axes (scale 10**16 Nm): (T) Val=5.65, Plg=3, Azm=103; (N) Val=0.11, Plg=4, Azm=13; (P) Val=-5.77, Plg=84, Azm=229; Best double couple: Mo=5.7*10**16 Nm; NP1: Strike=198, Dip=42, Slip=-83; NP2: Strike=9, Dip=48, Slip=-96. Centroid, Moment Tensor (HRV): Centroid origin time 00:11:04.9; Lat 78.07 N; Lon 6.95 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.39, Plg=3, Azm=102; (N) Val=-1.40, Plg=10, Azm=11; (P) Val=-6.98, Plg=80, Azm=207; Best double couple: Mo=7.7*10**16 Nm; NP1: Strike=202, Dip=43, Slip=-75; NP2: Strike=2, Dip=48, Slip=-103.
20	01	26	50.6	40.036	N	20.629	E	10	G	5.0	4.8	1.3	189	GREECE-ALBANIA BORDER REGION. mbLg 5.0 (MDD). ML 4.8 (ROM). Some damage to houses at Konitsa, Greece.
20	03	10	05.0?	42.69	N	7.68	W	10	G			0.4	4	SPAIN. mbLg 2.8 (MDD).
20	03	21	40.7*	6.549	S	147.121	E	100	G	4.3		0.8	12	EASTERN NEW GUINEA REG., P.N.G.
20	03	28	49.2	0.995	N	120.061	E	33	N	5.2		1.0	49	MINAHASSA PENINSULA, SULAWESI. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:28:56.5; Lat 1.69 N; Lon 120.26 E; Dep 43.4; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=0.82, Plg=59, Azm=191; (N) Val=0.30, Plg=13, Azm=78; (P) Val=-1.12, Plg=27, Azm=341; Best double couple: Mo=9.7*10**16 Nm; NP1: Strike=40, Dip=21, Slip=50; NP2: Strike=262, Dip=74, Slip=104.
20	03	43	06.4	1.010	N	120.047	E	33	N	5.0		0.9	44	MINAHASSA PENINSULA, SULAWESI
20	04	10	19.7?	13.13	N	50.81	E	10	G			0.9	5	EASTERN GULF OF ADEN
20	04	46	14.5&	60.021	N	153.508	W	136					96	SOUTHERN ALASKA. <AEIC>.
20	04	48	47.8	51.560	N	16.391	E	10	G			1.1	11	POLAND. ML 3.2 (GRF), 3.1 (MOX).
20	04	59	55.9	47.230	N	10.000	E	5	G			1.1	39	AUSTRIA. ML 3.5 (STR), 3.4 (VIE), 3.1 (GRF), 3.0 (LDG), 2.9 (FUR). Felt (IV) at Klosterle.
20	05	40	46.9&	63.586	N	150.549	W	8					6	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.8 (PMR).
20	06	06	50.3?	23.45	S	170.38	E	33	N			1.4	14	LOYALTY ISLANDS REGION
20	06	24	14.2*	53.481	N	160.326	E	46	D	4.1		0.9	13	NEAR EAST COAST OF KAMCHATKA
20	06	54	50.7	0.811	N	126.941	E	126	D	5.1		0.8	71	NORTHERN MOLUCCA SEA
20	07	10	10.9&	59.901	N	153.187	W	124					55	SOUTHERN ALASKA. <AEIC>.
20	07	11	57.3*	47.159	S	100.302	E	10	G			1.3	14	SOUTHEAST INDIAN RIDGE
20	07	42	25.2	7.701	S	127.308	E	134	D	4.8		1.1	30	BANDA SEA
20	08	30	10.9	24.119	N	94.988	E	120	G	4.4		0.7	20	MYANMAR-INDIA BORDER REGION
20	08	37	17.3*	13.597	N	120.822	E	25	G			1.5	10	MINDORO, PHILIPPINE ISLANDS. Felt (II RF) at Puerto Galera. Felt (I RF) at Tagaytay, Luzon.
20	08	47	14.2*	55.238	N	165.037	E	33	N			1.3	10	KOMANDORSKY ISLANDS REGION
20	09	29	43.0&	38.932	N	122.684	W	2					35	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.7 (BRK). Felt at Lower Lake.
20	09	58	14.6?	0.35	S	132.71	E	33	N	4.7		1.4	19	IRIAN JAYA REGION, INDONESIA
20	10	27	30.3?	1.32	S	132.10	E	33	N	4.0		0.9	10	IRIAN JAYA REGION, INDONESIA
20	10	44	23.7&	36.242	N	120.803	W	7					40	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM), 2.8 (PAS). ML 3.1 (BRK).
20	11	01	52.4&	62.763	N	149.067	W	64					35	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
20	11	07	50.6%	34.111	S	70.565	W	100	G			0.1	11	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
20	11	34	02.2?	17.33	S	179.59	W	600	G	4.4		0.9	17	FIJI ISLANDS REGION
20	11	56	33.8%	37.007	N	3.717	W	10	G			0.2	5	SPAIN. mbLg 2.4 (MDD).

20	12	02	37.4	51.494	N	178.408	W	33	N	5.1	4.6	0.8	236	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.3 (HRV). ML 5.4 (PMR). Felt on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 12:02:40.0; Lat 51.42 N; Lon 178.18 W; Dep 38.3; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.09, Plg=58, Azm=293; (N) Val=-0.18, Plg=15, Azm=50; (P) Val=-0.90, Plg=27, Azm=148; Best double couple: Mo=9.9*10**16 Nm; NP1: Strike=271, Dip=23, Slip=133; NP2: Strike=45, Dip=73, Slip=74.
20	12	06	58.4*	56.063	S	28.567	W	250	G	4.1		0.6	11	SOUTH SANDWICH ISLANDS REGION
20	12	08	11.2	23.548	S	179.744	W	500	G	5.1		0.9	67	SOUTH OF FIJI ISLANDS
20	15	27	05.1&	32.728	S	71.553	W	20	G			0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
20	15	44	29.5*	36.498	N	26.935	E	130	G	3.6		0.7	12	DODECANESE ISLANDS
20	16	10	36.7	36.244	N	27.261	E	33	N	4.1		1.3	52	DODECANESE ISLANDS
20	16	39	44.5*	44.128	N	14.972	E	10	G			0.6	14	ADRIATIC SEA. ML 3.5 (LDG).
20	16	46	37.1*	56.139	S	27.012	W	33	N	5.0		1.4	27	SOUTH SANDWICH ISLANDS REGION
20	17	19	56.7	5.369	N	82.637	W	10	G	5.2	5.1	1.3	135	SOUTH OF PANAMA. Mw 5.9 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:20:03.6; Lat 5.29 N; Lon 82.51 W; Dep 15.0 Bdy; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=7.72, Plg=20, Azm=315; (N) Val=-0.87, Plg=70, Azm=142; (P) Val=-6.85, Plg=2, Azm=46; Best double couple: Mo=7.3*10**17 Nm; NP1: Strike=92, Dip=75, Slip=13; NP2: Strike=359, Dip=78, Slip=164.
20	17	42	32.4	44.369	N	7.281	E	10	G			0.5	15	NORTHERN ITALY. ML 2.2 (GEN), 2.1 (LDG).
20	17	53	41.2*	36.425	N	53.122	E	33	N	3.6		1.0	11	NORTHERN IRAN
20	18	26	02.7?	0.02	S	120.29	E	33	N	4.4		0.6	12	MINAHASSA PENINSULA, SULAWESI
20	19	03	51.2*	17.323	S	178.902	W	500	G	4.3		1.0	26	FIJI ISLANDS REGION
20	19	27	01.5&	62.832	N	150.523	W	84					51	CENTRAL ALASKA. <AEIC>.
20	19	33	47.4*	36.242	N	27.261	E	100	G	3.9		1.5	9	DODECANESE ISLANDS
20	19	48	29.5	44.308	N	6.167	E	5	G			0.9	38	FRANCE. ML 2.7 (STR), 2.6 (LDG).
20	20	02	50.5*	77.764	N	7.754	E	10	G	3.9		1.3	15	SVALBARD REGION
20	20	21	59.3*	0.316	S	132.536	E	33	N	4.8		1.4	27	IRIAN JAYA REGION, INDONESIA
20	20	54	43.1?	86.29	N	76.03	E	10	G	3.6		1.5	9	NORTH OF SEVERNAYA ZEMLYA
20	22	44	50.0&	60.022	N	141.553	W	8					73	SOUTHEASTERN ALASKA. <AEIC>. ML 3.7 (AEIC), 3.8 (PMR). Felt at Icy Bay Logging Camp.
20	23	00	01.5	45.495	N	6.668	E	10	G			1.3	26	FRANCE. ML 2.3 (LDG).
20	23	13	50.5	53.433	N	160.357	E	33	N	4.4		0.8	26	NEAR EAST COAST OF KAMCHATKA
20	23	25	32.1*	40.653	N	35.497	E	10	G	3.9		1.4	18	TURKEY
20	23	28	58.6	44.356	N	7.269	E	5	G			0.6	10	NORTHERN ITALY. ML 1.9 (GEN), 1.5 (LDG).
20	23	42	52.3	13.234	N	87.414	W	212	D	4.3		1.1	71	HONDURAS
20	23	55	53.8&	46.730	N	122.145	W	18					63	WASHINGTON. <SEA-P>. MD 2.6 (SEA). Felt.
21	00	57	14.1*	20.104	S	177.837	W	480	?	4.5		0.8	20	FIJI ISLANDS REGION
21	01	35	21.1	0.987	N	120.053	E	34	D	5.1	4.8	1.0	50	MINAHASSA PENINSULA, SULAWESI
21	01	54	08.7*	12.404	N	144.092	E	45	?	4.6		1.2	24	SOUTH OF MARIANA ISLANDS
21	02	17	58.2	40.746	N	35.420	E	33	N	4.1		1.1	24	TURKEY
21	03	08	55.0?	16.09	N	120.35	E	86	?	4.9		1.4	9	LUZON, PHILIPPINE ISLANDS
21	03	38	35.0*	0.910	S	97.084	E	33	N	4.4		0.9	22	SOUTHWEST OF SUMATERA, INDONESIA
21	03	41	42.8&	33.762	S	70.713	W	80	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
21	04	04	33.9*	50.760	N	16.441	E	28	*			0.6	6	POLAND. ML 3.1 (GRF), 2.8 (MOX).
21	04	31	28.3?	2.31	N	126.53	E	130	?	4.3		1.3	9	NORTHERN MOLUCCA SEA
21	04	37	22.3	44.357	N	7.313	E	14				0.4	19	NORTHERN ITALY. ML 2.5 (GEN), 2.3 (LDG).
21	04	47	01.6&	58.391	N	154.834	W	1					43	ALASKA PENINSULA. <AEIC>. ML 3.7 (AEIC), 3.7 (PMR).
21	05	51	47.4*	15.905	N	98.216	W	33	N	4.1		1.3	16	OFF COAST OF GUERRERO, MEXICO
21	07	21	38.9&	58.170	N	151.759	W	45					40	KODIAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
21	07	54	14.0	44.184	N	71.352	W	10	G			1.1	15	VERMONT-NEW HAMPSHIRE REGION. mbLg 3.8 (GS), 3.6 (OTT). Felt (IV) at Bethlehem, (III) at South Tamworth and (II) at Milan, New Hampshire. Also felt at Twin Mountain, New Hampshire.
21	08	02	39.7	35.659	N	140.518	E	39	D	4.7		1.2	60	NEAR EAST COAST OF HONSHU, JAPAN
21	08	50	55.9*	35.987	N	140.845	E	33	N			1.5	10	NEAR EAST COAST OF HONSHU, JAPAN
21	08	52	25.8?	28.19	N	139.07	E	520	*	4.3		0.4	8	BONIN ISLANDS REGION
21	08	54	04.9	51.367	N	178.268	W	33	N	4.9	4.5	1.0	136	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.2 (HRV). ML 4.7 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 08:54:04.2; Lat 51.33 N; Lon 177.72 W; Dep 25.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.56, Plg=60, Azm=309; (N) Val=0.31, Plg=5, Azm=48; (P) Val=-7.86, Plg=30, Azm=141; Best double couple: Mo=7.7*10**16 Nm; NP1: Strike=246, Dip=16, Slip=109; NP2: Strike=46, Dip=75, Slip=85.
21	09	01	30.0*	47.649	S	99.698	W	10	G	4.9		1.1	32	SOUTHERN PACIFIC OCEAN. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:01:34.5; Lat 48.05 S; Lon 99.34 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.70, Plg=0, Azm=230; (N) Val=0.93, Plg=90, Azm=180; (P) Val=-4.63, Plg=0, Azm=140; Best double couple: Mo=4.2*10**16 Nm; NP1: Strike=275, Dip=90, Slip=-180; NP2: Strike=5, Dip=90, Slip=0.
21	11	09	15.4?	50.96	N	21.12	E	10	G			0.7	6	POLAND. MG 3.2 (WAR).
21	11	17	55.4?	36.08	N	69.98	E	131	?			0.7	8	HINDU KUSH REGION, AFGHANISTAN
21	11	33	27.5*	11.345	N	86.662	W	33	N	4.6		1.3	18	NEAR COAST OF NICARAGUA
21	12	17	47.3	9.507	S	155.489	E	33	N	5.1	4.8	1.0	64	D'ENTRECASTEAUX ISLANDS REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:17:46.9; Lat 9.87 S; Lon 155.65 E; Dep 15.0 Bdy; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.21, Plg=7, Azm=4; (N) Val=-2.96, Plg=6, Azm=94; (P) Val=-5.25, Plg=81, Azm=221; Best double couple: Mo=6.7*10**16 Nm; NP1: Strike=87, Dip=38, Slip=-99; NP2: Strike=279, Dip=53, Slip=-83.
21	12	28	12.4*	56.225	N	163.981	E	33	N	4.2		0.6	9	NEAR EAST COAST OF KAMCHATKA
21	13	03	02.7*	46.269	N	9.927	E	10	G			1.3	6	SWITZERLAND. ML 2.4 (VIE).
21	13	06	55.6&	61.296	N	146.898	W	21					61	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
21	14	08	56.8*	46.705	N	146.240	E	304	?	4.1		0.9	17	NORTHWEST OF KURIL ISLANDS

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21  14 27 39.5?  9.36  S  155.59  E   33 N  4.1      1.2    6  D'ENTRECASTEAUX ISLANDS REGION
21  14 40 53.8  45.746 N  149.238 E  156 D  5.0      0.9  173  KURIL ISLANDS
21  16 13 00.8*  5.665 N  125.816 E   33 N  4.5      1.1   19  MINDANAO, PHILIPPINE ISLANDS
21  17 26 58.6?  9.48  S  155.48  E   33 N  4.1      0.8   10  D'ENTRECASTEAUX ISLANDS REGION
21  17 27 37.3   9.467 S  155.417 E   33 N  5.1 5.0  1.1   65  D'ENTRECASTEAUX ISLANDS REGION. Mw 5.4 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                17:27:37.4; Lat 9.90 S; Lon 155.62 E; Dep 15.0 Fix; Half-
                                                                duration 1.6 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.46, Plg=8, Azm=352; (N) Val=0.13, Plg=8, Azm=83; (P)
                                                                Val=-1.60, Plg=79, Azm=215; Best double couple:
                                                                Mo=1.5*10**17 Nm; NP1: Strike=73, Dip=37, Slip=-102; NP2:
                                                                Strike=268, Dip=54, Slip=-81.
21  18 12 37.4? 40.83  N   25.45  E   33 N         1.3    5  AEGEAN SEA
21  18 16 49.4   5.462 S  147.153 E  223    4.9    0.9   41  EASTERN NEW GUINEA REG., P.N.G.
21  19 02 29.9? 24.13  S  179.50  E  652 ?  4.2    0.6   22  SOUTH OF FIJI ISLANDS
21  19 06 56.4   9.471 S  155.315 E   33 N  5.0 5.0  1.1   42  D'ENTRECASTEAUX ISLANDS REGION. Mw 5.5 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                19:06:55.8; Lat 9.92 S; Lon 155.83 E; Dep 15.4; Half-
                                                                duration 1.3 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.68, Plg=11, Azm=355; (N) Val=0.11, Plg=2, Azm=264;
                                                                (P) Val=-1.80, Plg=79, Azm=164; Best double couple:
                                                                Mo=1.7*10**17 Nm; NP1: Strike=87, Dip=34, Slip=-86; NP2:
                                                                Strike=263, Dip=56, Slip=-92.
21  19 11 57.8? 52.60  N   30.36  W   10 G  3.8      1.2    6  NORTHERN MID-ATLANTIC RIDGE
21  19 15 02.9? 44.38  N    7.84  E   10 G         0.4    5  NORTHERN ITALY. ML 2.1 (LDG).
21  20 43 00.5  12.168 N   60.890 W   79    4.5    1.0   52  WINDWARD ISLANDS. MD 4.4 (TRN).
21  21 09 47.7? 27.18  N  125.62  E  243 ?  3.9    0.7   11  NORTHEAST OF TAIWAN
21  21 53 07.6  19.145 S  169.615 E  249 D  5.2      1.2  182  VANUATU ISLANDS. Mw 5.4 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                21:53:14.3; Lat 19.19 S; Lon 169.60 E; Dep 276.2; Half-
                                                                duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.45, Plg=40, Azm=55; (N) Val=-0.02, Plg=50, Azm=228;
                                                                (P) Val=-1.43, Plg=3, Azm=322; Best double couple:
                                                                Mo=1.4*10**17 Nm; NP1: Strike=91, Dip=61, Slip=152; NP2:
                                                                Strike=196, Dip=66, Slip=33.
21  22 09 49.4? 32.44  N  141.73  E   43 D         1.1    7  SOUTH OF HONSHU, JAPAN
22  00 35 22.1* 37.865 N   69.050 E   33 N         1.1    7  AFGHANISTAN-TAJIKISTAN BORD REG.
22  00 46 00.6   9.495 S  155.493 E   33 N  4.5    0.8   28  D'ENTRECASTEAUX ISLANDS REGION
22  00 50 01.0?  9.39  S  155.59  E   33 N  4.2    1.4   12  D'ENTRECASTEAUX ISLANDS REGION
22  01 09 00.2* 36.548 N   71.357 E  158 *  4.2      1.2   27  AFGHANISTAN-TAJIKISTAN BORD REG.
22  01 29 12.1?  9.15  S  155.84  E   33 N  4.7      0.4    6  D'ENTRECASTEAUX ISLANDS REGION
22  01 44 55.6  53.292 N   35.314 W   10 G  4.8 4.6  0.9  131  NORTH ATLANTIC OCEAN
22  02 01 01.6  38.358 N   21.769 E   42 *  3.7      1.0   24  GREECE
22  02 10 55.0  10.430 S  161.135 E  130 ?  5.0      1.1   83  SOLOMON ISLANDS. Mw 5.3 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                02:10:47.9; Lat 10.43 S Fix; Lon 161.13 E Fix; Dep 44.4;
                                                                Half-duration 1.0 sec; Principal axes (scale 10**16 Nm):
                                                                (T) Val=8.98, Plg=64, Azm=9; (N) Val=-0.37, Plg=24,
                                                                Azm=166; (P) Val=-8.61, Plg=9, Azm=260; Best double couple:
                                                                Mo=8.8*10**16 Nm; NP1: Strike=16, Dip=42, Slip=127; NP2:
                                                                Strike=150, Dip=58, Slip=61.
22  02 14 31.8* 47.832 N  152.179 E  160 ?         0.6   13  KURIL ISLANDS
22  04 47 06.6   5.578 N  125.313 E   75 *  4.7      0.8   38  MINDANAO, PHILIPPINE ISLANDS
22  05 19 11.5* 21.642 N  143.132 E  328 *         0.8   14  MARIANA ISLANDS REGION
22  05 24 39.5* 20.010 N  121.736 E   33 N         1.3   11  PHILIPPINE ISLANDS REGION. Felt (II RF) at Basco.
22  05 35 42.0   7.124 S  123.275 E  596 D  5.8      0.8  349  BANDA SEA. Mw 6.0 (GS), 5.9 (HRV). Me 5.7 (GS).
                                                               Broadband Source Parameters (GS): NP1: Strike=205, Dip=40,
                                                                Slip=-110; NP2: Strike=50, Dip=53, Slip=-74; Radiated
                                                                energy 6.7*10**12 Nm.
                                                               Moment Tensor (GS): Dep 618; Principal axes (scale 10**18
                                                                Nm): (T) Val=0.98, Plg=0, Azm=296; (N) Val=0.03, Plg=20,
                                                                Azm=206; (P) Val=-1.02, Plg=70, Azm=26; Best double couple:
                                                                Mo=1.0*10**18 Nm; NP1: Strike=44, Dip=48, Slip=-63; NP2:
                                                                Strike=187, Dip=48, Slip=-117.
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                05:35:47.4; Lat 7.14 S; Lon 123.52 E; Dep 614.7; Half-
                                                                duration 2.3 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=8.59, Plg=2, Azm=300; (N) Val=1.28, Plg=13, Azm=210;
                                                                (P) Val=-9.87, Plg=77, Azm=37; Best double couple:
                                                                Mo=9.2*10**17 Nm; NP1: Strike=43, Dip=45, Slip=-71; NP2:
                                                                Strike=198, Dip=48, Slip=-108.
22  06 01 57.9*  9.519 S  155.630 E   33 N  4.5      1.2   20  D'ENTRECASTEAUX ISLANDS REGION
22  06 02 39.5% 46.842 N    0.836 W   10 G         1.2   12  FRANCE. ML 2.5 (LDG).
22  06 06 18.4?  9.48  S  155.71  E   33 N         0.9    8  D'ENTRECASTEAUX ISLANDS REGION
22  06 09 08.1   9.517 S  155.355 E   33 N  5.1 4.9  0.9   63  D'ENTRECASTEAUX ISLANDS REGION. Mw 5.5 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                06:09:10.3; Lat 9.82 S; Lon 155.59 E; Dep 15.0 Bdy; Half-
                                                                duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.64, Plg=7, Azm=347; (N) Val=0.19, Plg=10, Azm=78; (P)
                                                                Val=-1.83, Plg=78, Azm=223; Best double couple:
                                                                Mo=1.7*10**17 Nm; NP1: Strike=65, Dip=39, Slip=-106; NP2:
                                                                Strike=266, Dip=53, Slip=-77.
22  06 55 59.0  50.870 N  155.855 E  105 D  4.8      0.8  141  KURIL ISLANDS. Felt (II) at Severo-Kurilsk.
22  06 56 30.3? 24.26  N  125.09  E   33 N  4.0      1.4    6  SOUTHWESTERN RYUKYU ISLANDS
22  07 14 44.7  14.625 S   41.188 E   10 G  4.6      1.0   42  MOZAMBIQUE CHANNEL
22  07 16 16.6* 46.181 S    0.917 E   10 G  4.8      1.1   18  SOUTH ATLANTIC OCEAN
22  07 56 33.6  33.831 N   94.050 E   33 N  4.8      1.1   43  QINGHAI, CHINA
22  08 40 43.6% 32.653 S   71.596 W   10 G         0.5   11  NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
22  09 05 22.2? 26.96  S  107.60  W   10 G  4.7      1.2    7  EASTER ISLAND REGION
22  10 09 18.1?  1.74  N  121.81  E   33 N  4.5      1.2   17  MINAHASSA PENINSULA, SULAWESI
22  10 26 22.3% 11.478 N   61.303 W   10 G         0.9    6  WINDWARD ISLANDS. MD 2.1 (TRN).
22  10 29 48.0?  3.69  S  144.87  E   33 N  3.9      1.1    7  NEAR N COAST OF NEW GUINEA, PNG.
22  11 56 53.6*  6.147 S  150.391 E   65 ?  4.2      1.1   14  NEW BRITAIN REGION, P.N.G.
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22  12 35 04.8? 10.59  N   61.72  W   10 G          1.2    4  TRINIDAD. MD 2.9 (TRN).
22  13 48 16.0& 59.540 N  153.438 W  117             27  SOUTHERN ALASKA. <AEIC>.
22  14 18 30.9& 62.482 N  151.181 W   92             46  CENTRAL ALASKA. <AEIC>.
22  14 42 28.2  49.907 N  157.586 E   64 D  4.9     0.9   40  EAST OF KURIL ISLANDS
22  14 43 54.0? 31.92  S   70.00  W  140 G          0.4   10  CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
22  15 52 10.5? 5.72   S  151.64  E   33 N  4.0     0.7    7  NEW BRITAIN REGION, P.N.G.
22  16 14 50.2  44.492 N    6.948 E   10 G          0.4   19  FRANCE. ML 2.4 (GEN), 2.3 (LDG).
22  17 36 20.0  11.198 N  126.612 E   33 N  4.5     0.7   26  PHILIPPINE ISLANDS REGION
22  17 46 39.4  21.560 S  169.071 E   70 ?  5.1 4.4  0.9   52  LOYALTY ISLANDS REGION
22  18 09 16.4   5.539 S  151.269 E  113 *  4.9     0.8   29  NEW BRITAIN REGION, P.N.G.
22  19 37 09.4* 17.315 S   66.762 E   10 G  4.8 5.3  1.1   22  MAURITIUS-REUNION REGION. Mw 5.1 (HRV).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               19:37:15.8; Lat 17.09 S; Lon 66.51 E; Dep 15.0 Fix; Half-
                                                               duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                               Val=5.23, Plg=12, Azm=107; (N) Val=-0.92, Plg=78, Azm=306;
                                                               (P) Val=-4.32, Plg=4, Azm=197; Best double couple:
                                                               Mo=4.8*10**16 Nm; NP1: Strike=243, Dip=79, Slip=6; NP2:
                                                               Strike=151, Dip=85, Slip=169.
22  19 38 38.3* 11.173 N  126.520 E   48 ?  4.3     0.9   18  PHILIPPINE ISLANDS REGION
22  20 06 09.1* 24.186 S   66.941 W  170 *  4.5     1.0   35  SALTA PROVINCE, ARGENTINA
22  20 28 59.9? 24.27  N  122.11  E   33 N  4.1     0.4    7  TAIWAN REGION
22  20 50 08.5* 11.310 S  117.631 E   33 N  4.1     1.0   10  SOUTH OF SUMBAWA, INDONESIA
22  21 03 13.7  10.207 S  125.964 E   33 N  4.8     1.2   38  SOUTHERN MOLUCCA SEA
22  21 27 54.5  41.837 N  139.330 E   19 D  4.6     0.7   41  HOKKAIDO, JAPAN REGION
22  22 15 17.6& 33.951 S   71.267 W   60 G          0.4    9  NEAR COAST OF CENTRAL CHILE
22  22 19 54.7* 37.935 N   72.412 E   71 ?  4.3     0.9   11  TAJIKISTAN
22  22 23 11.9? 32.66  S   71.83  W   10 G          0.7   10  NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
22  22 43 13.2  34.958 N   23.322 E   33 N  3.7     0.6   10  CRETE
22  22 55 34.6  18.809 N  145.301 E  219     5.0     0.7  114  MARIANA ISLANDS
23  00 29 16.6* 51.356 N  176.939 W   33 N  4.2     1.2   15  ANDREANOF ISLANDS, ALEUTIAN IS.
23  01 01 54.3? 0.64   S  126.45  E   33 N  4.4     0.9   10  SOUTHERN MOLUCCA SEA
23  01 37 43.0  45.715 N    9.333 E   24             0.8   40  NORTHERN ITALY. ML 3.2 (STR), 2.6 (LDG).
23  01 44 34.3  13.181 N  120.160 E   33 N  4.3     1.1   22  MINDORO, PHILIPPINE ISLANDS
23  02 29 05.8* 30.353 S  179.413 E  548 ?  4.2     0.7   17  KERMADEC ISLANDS REGION
23  03 30 04.5* 11.916 N  125.517 E   33 N  4.1     1.0   19  SAMAR, PHILIPPINE ISLANDS
23  03 43 19.0* 23.066 S  170.202 E   33 N  4.4     1.4   31  LOYALTY ISLANDS REGION
23  05 11 29.4? 7.74   S  129.38  E  189 ?  4.9     1.4   11  BANDA SEA
23  05 33 20.5  70.293 N  132.528 W   10 G  4.6 4.4  1.0   66  BEAUFORT SEA
23  05 46 37.2  37.065 N   71.663 E  129 D  4.5     0.9   29  AFGHANISTAN-TAJIKISTAN BORD REG.
23  05 54 39.0  44.463 N    7.304 E   10 G          0.6   20  NORTHERN ITALY. ML 2.9 (GEN), 2.8 (LDG).
23  06 13 39.9* 24.878 S   63.518 W  588 *          1.0   13  SALTA PROVINCE, ARGENTINA
23  06 19 55.9  36.045 N   27.248 E   33 N  4.1     1.3   18  DODECANESE ISLANDS
23  06 41 32.2* 38.916 N  140.062 E  166 *  4.0     0.9   14  EASTERN HONSHU, JAPAN
23  07 24 17.0? 20.73  S   69.03  W  122 ?          1.0    6  NORTHERN CHILE
23  07 55 32.7* 6.776  N   73.178 W  161 D          1.3   16  NORTHERN COLOMBIA
23  08 00 33.7& 36.885 N  121.398 W    9             65  CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK), 3.0
                                                               (GS). Felt in the Hollister area.
23  08 10 29.2? 37.49  N   16.68  E   10 G          1.1    8  IONIAN SEA. ML 3.4 (ROM).
23  08 53 33.9? 32.58  S   70.13  W  110 G          0.4   10  CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
23  08 57 54.2* 36.025 N   71.183 E   33 N          1.2   12  AFGHANISTAN-TAJIKISTAN BORD REG.
23  08 58 27.8* 43.838 N  138.328 E  271 *          0.8    8  EASTERN SEA OF JAPAN
23  09 13 46.9  47.942 N  128.748 W   10 G  4.1     1.0   22  OFF COAST OF WASHINGTON
23  09 15 46.1& 44.472 N    7.315 E   10 G          0.3    9  NORTHERN ITALY. ML 2.0 (GEN).
23  10 02 05.3? 12.28  N  123.24  E   40 ?          0.9    8  LUZON, PHILIPPINE ISLANDS
23  10 25 31.9? 69.89  N  131.35  W   10 G          0.9    5  NORTHWEST TERRITORIES, CANADA
23  11 41 21.0? 0.16   N  121.76  E  227 ?  4.7     0.6    9  MINAHASSA PENINSULA, SULAWESI
23  11 57 21.3* 14.790 N  147.229 E   33 N  4.2     0.8    9  MARIANA ISLANDS REGION
23  12 01 15.9& 61.044 N  151.151 W   49             83  SOUTHERN ALASKA. <AEIC>. ML 3.6 (AEIC), 3.6 (PMR).
23  12 02 33.1& 40.577 N  126.100 W    5             64  OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML
                                                               3.8 (BRK), 3.5 (GS).
23  12 58 21.6? 36.56  N  141.26  E   27 ?          0.3    5  NEAR EAST COAST OF HONSHU, JAPAN
23  13 27 45.9  46.831 N    9.743 E    5 G          1.0   59  SWITZERLAND. ML 3.9 (FUR), 3.5 (GRF), 3.5 (STR), 3.4 (VIE).
23  13 38 18.9* 14.084 N  125.130 E   10 G  4.4     0.9   10  PHILIPPINE ISLANDS REGION
23  15 12 00.2& 65.073 N  148.499 W   18             20  NORTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
23  15 25 52.2* 38.988 N  140.881 E   33 N          1.0   12  EASTERN HONSHU, JAPAN
23  16 56 02.2  50.162 N  176.451 W   33 N  4.0     0.8   23  ANDREANOF ISLANDS, ALEUTIAN IS.
23  17 22 39.7  26.355 N  140.401 E  401     4.3     0.9   40  BONIN ISLANDS REGION
23  17 32 13.1& 27.842 N  130.201 E   33 N          0.5    6  RYUKYU ISLANDS
23  17 53 06.1  19.035 S  173.579 W   33 N  5.2 4.6  1.1  141  TONGA ISLANDS. Mw 5.2 (HRV).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               17:53:06.5; Lat 19.45 S; Lon 172.98 W; Dep 17.3; Half-
                                                               duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                               Val=8.45, Plg=11, Azm=86; (N) Val=-1.23, Plg=1, Azm=355;
                                                               (P) Val=-7.23, Plg=79, Azm=263; Best double couple:
                                                               Mo=7.8*10**16 Nm; NP1: Strike=176, Dip=34, Slip=-89; NP2:
                                                               Strike=355, Dip=56, Slip=-91.
23  19 28 27.2  51.408 N  151.290 E  450 ?  4.2     0.7   28  SEA OF OKHOTSK
23  19 35 38.6  50.266 N    7.255 E   10 G          1.3   34  GERMANY. ML 3.3 (VIE), 3.0 (BNS), 3.0 (UCC).
23  19 38 35.7  50.356 N    7.316 E    5 G          0.7   15  GERMANY. ML 2.8 (LDG), 2.6 (STR), 2.4 (UCC).
23  19 53 47.7& 61.819 N  151.863 W  103             21  SOUTHERN ALASKA. <AEIC>.
23  20 56 00.2? 32.62  S   56.01  E   10 G  4.5     1.0    8  SOUTHWEST INDIAN RIDGE
23  20 57 58.2& 33.726 S   70.417 W   17 *          0.2   10  CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
23  21 23 17.0& 44.454 N    7.280 E   10 G          0.3    7  NORTHERN ITALY. ML 1.8 (GEN).
23  21 56 06.0   4.088 S  104.370 W   10 G  5.0 5.6  1.1   74  CENTRAL EAST PACIFIC RISE. Mw 5.9 (HRV).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               21:56:13.2; Lat 3.80 S; Lon 104.40 W; Dep 15.0 Fix; Half-
                                                               duration 2.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=9.10, Plg=5, Azm=134; (N) Val=-0.60, Plg=80, Azm=15;
                                                               (P) Val=-8.51, Plg=9, Azm=225; Best double couple:
                                                               Mo=8.8*10**17 Nm; NP1: Strike=270, Dip=80, Slip=-3; NP2:
                                                               Strike=0, Dip=87, Slip=-170.
                                                              Scalar Moment (PPT): Mo=1.5*10**18 Nm.
23  22 00 47.5? 44.55  N  141.79  E  275 ?          0.3    5  HOKKAIDO, JAPAN  REGION
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23	22	18	57.0*	3.920	S	104.143	W	10	G	5.0	5.4	1.1	59	CENTRAL EAST PACIFIC RISE. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:19:04.0; Lat 3.86 S; Lon 104.25 W; Dep 15.0 Fix; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=5.80, Plg=0, Azm=136; (N) Val=-0.63, Plg=90, Azm=180; (P) Val=-5.17, Plg=0, Azm=46; Best double couple: Mo=5.5*10**17 Nm; NP1: Strike=181, Dip=90, Slip=-180; NP2: Strike=271, Dip=90, Slip=0. Scalar Moment (PPT): Mo=1.0*10**18 Nm.
23	22	30	38.2?	29.74	S	177.10	W	33	N	4.3		0.9	11	KERMADEC ISLANDS, NEW ZEALAND
23	22	33	58.9?	33.99	S	71.74	W	33	N			0.3	8	NEAR COAST OF CENTRAL CHILE
23	23	00	15.6*	19.986	N	121.463	E	33	N			0.4	5	PHILIPPINE ISLANDS REGION
23	23	42	59.7*	44.844	N	8.877	E	33	N			0.7	17	NORTHERN ITALY. ML 2.6 (GEN), 2.2 (LDG).
24	02	18	24.9&	66.952	N	147.276	W	9					21	NORTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.3 (PMR).
24	02	38	20.5	47.462	N	9.015	E	20	G			1.3	93	GERMANY. ML 4.2 (VIE), 4.1 (MOX), 4.1 (STR).
24	02	42	24.7	47.479	N	9.040	E	20	G			1.2	11	GERMANY. ML 2.9 (VIE).
24	03	54	44.4*	0.862	N	99.460	E	110	D	5.0		1.2	36	NORTHERN SUMATERA, INDONESIA
24	04	15	38.2	44.373	N	7.327	E	10	G			0.5	14	NORTHERN ITALY. ML 2.2 (GEN), 1.9 (LDG).
24	04	17	49.0?	24.66	S	65.32	W	33	N			0.5	5	SALTA PROVINCE, ARGENTINA
24	05	15	56.3*	31.464	N	51.013	E	33	N	4.4		1.2	25	NORTHERN IRAN. Felt at Borujen.
24	06	14	28.6?	19.01	N	67.21	W	33	N			0.4	9	MONA PASSAGE. MD 3.3 (MPR).
24	07	09	49.6	12.267	N	125.693	E	31	D	4.7		0.9	36	SAMAR, PHILIPPINE ISLANDS
24	08	09	04.7*	39.369	N	74.157	E	33	N	3.6		1.1	12	SOUTHERN XINJIANG, CHINA
24	08	51	15.2	30.752	S	178.235	W	59	D	5.1		1.0	68	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.2 (HRV). Felt (II) on Raoul. Centroid, Moment Tensor (HRV): Centroid origin time 08:51:18.5; Lat 30.56 S; Lon 177.87 W; Dep 61.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.76, Plg=71, Azm=301; (N) Val=-1.11, Plg=4, Azm=201; (P) Val=-5.65, Plg=19, Azm=110; Best double couple: Mo=6.2*10**16 Nm; NP1: Strike=194, Dip=27, Slip=82; NP2: Strike=23, Dip=64, Slip=94.
24	09	39	53.4	10.273	S	126.388	E	33	N	4.7		1.3	23	TIMOR SEA
24	10	07	57.9&	59.357	N	151.732	W	48					103	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.5 (AEIC).
24	11	02	40.5	37.762	N	16.780	W	10	G	3.7		1.0	34	NORTH ATLANTIC OCEAN. mbLg 3.5 (MDD).
24	12	01	55.9*	55.396	S	128.255	W	10	G	4.6	4.4	1.3	24	PACIFIC-ANTARCTIC RIDGE
24	12	15	26.2*	39.606	N	91.569	E	33	N			1.5	11	SOUTHERN XINJIANG, CHINA
24	12	41	19.5	44.359	N	7.339	E	19				0.7	35	NORTHERN ITALY. ML 3.7 (LDG).
24	13	03	46.1&	44.384	N	7.350	E	10	G			0.2	5	NORTHERN ITALY. ML 1.8 (GEN).
24	13	38	33.1*	17.622	S	174.751	W	181	*	4.7		1.2	64	TONGA ISLANDS
24	14	01	58.2	8.679	N	72.709	W	21	D	4.4		1.0	36	VENEZUELA
24	14	14	19.3?	55.35	S	128.53	W	10	G			0.7	10	PACIFIC-ANTARCTIC RIDGE
24	14	33	16.9	43.440	N	1.813	W	10	G	3.9		1.5	67	PYRENEES. ML 3.9 (LDG), 3.7 (STR). mbLg 3.3 (MDD). Felt (III) in the epicentral area.
24	14	45	54.6	58.292	S	25.524	W	33	N	4.6		0.8	35	SOUTH SANDWICH ISLANDS REGION
24	15	43	56.1*	26.326	S	27.445	E	5	G			1.5	7	REPUBLIC OF SOUTH AFRICA
24	15	58	51.0	37.296	N	141.837	E	43		4.3		0.8	30	NEAR EAST COAST OF HONSHU, JAPAN
24	18	30	43.3*	26.312	S	70.763	W	33	N			1.3	12	NEAR COAST OF NORTHERN CHILE
24	18	32	45.0&	58.383	N	155.005	W	104					32	ALASKA PENINSULA. <AEIC>.
24	19	14	12.9	44.369	N	7.299	E	14				0.3	12	NORTHERN ITALY. ML 2.1 (GEN), 1.8 (LDG).
24	19	31	34.3	51.908	N	16.263	E	10	G			0.9	6	POLAND. MG 2.4 (WAR).
24	20	02	40.0*	20.489	N	97.935	E	33	N	4.4		1.2	19	MYANMAR
24	20	49	49.4*	47.280	N	4.507	W	10	G			0.6	11	FRANCE. ML 3.5 (LDG).
24	21	11	35.0	7.392	S	145.105	E	33	N	4.2		1.3	17	NEAR S COAST OF NEW GUINEA, PNG.
24	22	02	39.4?	33.24	S	69.34	W	5	G			0.8	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
24	22	04	54.2?	36.23	S	16.18	W	10	G	4.2		1.8	10	SOUTHERN MID-ATLANTIC RIDGE
24	22	58	58.0&	43.523	N	1.582	W	10	G			0.9	13	PYRENEES. ML 2.5 (LDG).
24	23	04	36.6&	36.734	N	3.288	W	10	G			0.5	9	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
24	23	31	06.8*	17.420	S	167.570	E	33	N	4.6		1.3	64	VANUATU ISLANDS
24	23	38	59.5	47.918	N	7.384	E	10	G			1.3	51	SWITZERLAND. ML 3.7 (VIE), 3.4 (LDG), 3.3 (GRF).
24	23	41	22.0*	0.829	N	126.189	E	33	N	4.6		0.8	16	NORTHERN MOLUCCA SEA
25	00	41	08.0*	23.974	S	66.694	W	198	*	4.3		1.0	29	JUJUY PROVINCE, ARGENTINA
25	00	49	07.3&	67.400	N	144.640	W	42		4.7			34	NORTHERN ALASKA. <AEIC>. ML 4.6 (AEIC), 4.4 (PMR).
25	00	50	21.8*	55.019	N	109.458	E	33	N	4.7		0.7	10	LAKE BAYKAL REGION, RUSSIA
25	00	53	08.9*	32.656	N	48.085	E	33	N	4.4		1.1	25	WESTERN IRAN
25	01	02	26.5&	60.010	N	153.100	W	0					50	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.1 (PMR).
25	01	47	44.7&	43.556	N	1.497	W	10	G			0.7	17	PYRENEES. ML 2.5 (LDG).
25	02	03	24.9*	51.576	N	172.537	W	33	N	4.0		0.8	22	ANDREANOF ISLANDS, ALEUTIAN IS.
25	02	28	20.9&	33.062	S	71.108	W	60	G			0.3	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
25	02	52	51.6?	6.48	S	104.27	E	33	N	3.9		1.1	13	SUNDA STRAIT
25	02	59	59.3*	36.467	N	70.891	E	243	*	4.1		1.1	14	HINDU KUSH REGION, AFGHANISTAN
25	03	11	40.2?	32.37	N	141.96	E	33	N			0.7	7	SOUTH OF HONSHU, JAPAN
25	03	13	11.1?	22.11	S	169.71	E	33	N			0.8	10	LOYALTY ISLANDS REGION
25	03	34	54.3&	43.478	N	1.709	W	10	G			1.0	7	PYRENEES. ML 2.2 (LDG).
25	04	45	13.6	51.381	N	177.770	W	33	N	4.5		1.1	45	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
25	04	48	15.0	39.300	N	26.165	E	10	G	4.0		1.0	35	TURKEY
25	05	35	01.9	12.144	S	167.106	E	109	D	4.7		1.5	58	SANTA CRUZ ISLANDS
25	05	39	16.8?	23.22	N	142.37	E	142	*			0.8	12	VOLCANO ISLANDS REGION
25	05	48	42.7*	25.823	S	70.852	W	33	N	4.2		1.0	12	NEAR COAST OF NORTHERN CHILE
25	06	06	40.8?	6.39	S	154.80	E	33	N	4.1		1.0	9	SOLOMON ISLANDS
25	06	58	07.9?	34.57	S	70.31	W	5	G			0.4	9	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
25	07	08	28.8	51.779	N	175.208	W	33	N	4.7		1.0	29	ANDREANOF ISLANDS, ALEUTIAN IS.
25	08	27	21.0&	35.097	N	118.306	W	7					28	CENTRAL CALIFORNIA. <PAS-P>. MD 2.7 (PAS). ML 2.9 (GS).
25	08	33	26.6	42.825	N	2.618	E	10	G			0.6	12	PYRENEES. ML 2.5 (LDG), 2.5 (STR).
25	09	07	52.0	51.597	N	176.967	W	33	N	4.9	4.6	1.2	93	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.1 (HRV). ML 4.6 (PMR). Felt on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 09:07:53.2; Lat 51.45 N; Lon 176.64 W; Dep 52.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.23, Plg=64, Azm=326; (N) Val=0.95, Plg=2, Azm=60; (P) Val=-6.19, Plg=26, Azm=151; Best double couple: Mo=5.7*10**16 Nm; NP1: Strike=245, Dip=19, Slip=96; NP2: Strike=59, Dip=71, Slip=88.

25	09	15	26.1?	41.43	N	72.51	E	33	N			0.3	6	KYRGYZSTAN
25	11	09	23.4*	5.369	S	146.942	E	182	*	4.2		0.8	14	EASTERN NEW GUINEA REG., P.N.G.
25	11	54	33.0?	17.00	N	62.21	W	10	G			0.1	4	LEEWARD ISLANDS. MD 2.8 (TRN).
25	12	00	19.9?	29.60	N	51.62	E	33	N			1.4	6	SOUTHERN IRAN
25	12	03	16.6?	3.07	S	142.29	E	33	N	4.1		1.4	6	NEAR N COAST OF NEW GUINEA, PNG.
25	12	52	00.3*	0.979	N	25.714	W	10	G	4.7		0.8	22	CENTRAL MID-ATLANTIC RIDGE
25	14	02	54.6&	34.040	N	118.964	W	15					30	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.1 (PAS). Felt at Simi Valley.
25	14	09	03.2	1.084	S	78.674	W	51		5.1	4.2	0.8	158	ECUADOR. Mw 5.5 (HRV). Two people injured and several houses destroyed in the Ambato area. Also felt at Latacunga and Pelileo. Centroid, Moment Tensor (HRV): Centroid origin time 14:09:03.7; Lat 1.12 S; Lon 77.99 W; Dep 15.0 Bdy; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.82, Plg=61, Azm=151; (N) Val=0.02, Plg=29, Azm=322; (P) Val=-1.84, Plg=4, Azm=54; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=172, Dip=48, Slip=130; NP2: Strike=300, Dip=55, Slip=54.
25	14	17	08.2	35.964	N	52.954	E	33	N	4.4		0.6	18	NORTHERN IRAN
25	15	25	09.0?	3.26	S	142.14	E	33	N	3.7		1.2	11	NEAR N COAST OF NEW GUINEA, PNG.
25	15	44	57.4&	16.298	N	61.282	W	33	N			0.8	6	LEEWARD ISLANDS. MD 3.0 (TRN).
25	16	10	25.5&	35.330	N	120.983	W	4					64	CENTRAL CALIFORNIA. <PAS-P>. MD 2.9 (PAS).
25	16	40	05.4?	10.29	N	61.36	W	40	G			0.5	4	TRINIDAD. MD 2.5 (TRN).
25	16	46	11.6&	45.051	N	7.240	E	10	G			0.4	5	NORTHERN ITALY. ML 1.9 (GEN).
25	18	13	00.3&	34.168	S	70.569	W	100	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
25	19	05	28.2	44.866	N	7.799	E	49	*	2.9		0.8	19	NORTHERN ITALY
25	19	13	10.9&	18.688	N	67.404	W	30				0.2	9	MONA PASSAGE. MD 3.5 (MPR).
25	19	43	25.8&	61.624	N	149.832	W	37					9	SOUTHERN ALASKA. <AEIC>. ML 2.4 (AEIC).
25	19	43	54.5*	77.674	N	8.031	E	10	G			1.1	9	SVALBARD REGION
25	20	33	26.4	19.039	S	174.350	W	61	D	5.0		0.8	77	TONGA ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:33:28.5; Lat 19.19 S; Lon 173.65 W; Dep 62.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.65, Plg=61, Azm=16; (N) Val=-0.81, Plg=22, Azm=151; (P) Val=-6.84, Plg=19, Azm=249; Best double couple: Mo=7.2*10**16 Nm; NP1: Strike=10, Dip=33, Slip=133; NP2: Strike=141, Dip=67, Slip=66.
25	20	55	43.8?	15.17	N	120.04	E	10	G	4.3		0.6	4	LUZON, PHILIPPINE ISLANDS
25	21	26	58.7&	33.985	S	70.436	W	100	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
25	21	46	08.6*	30.139	N	87.736	E	33	N	4.5		1.2	14	XIZANG
25	22	07	36.6?	34.35	S	70.54	W	110	G			0.1	7	CHILE-ARGENTINA BORDER REGION
25	23	19	59.3&	31.990	N	132.183	E	28	*			1.0	7	SOUTHEAST OF SHIKOKU, JAPAN
26	01	04	01.9*	55.839	S	27.838	W	193	?	4.4		1.1	18	SOUTH SANDWICH ISLANDS REGION
26	01	10	40.7*	77.555	N	7.741	E	10	G			0.7	5	SVALBARD REGION
26	01	25	03.6&	44.354	N	7.280	E	10	G			0.1	7	NORTHERN ITALY. ML 1.8 (LDG).
26	01	34	04.2?	7.55	S	127.78	E	128	?	4.4		0.9	13	BANDA SEA
26	01	51	32.4	18.903	S	174.457	W	53	D	4.9		0.7	77	TONGA ISLANDS
26	01	54	05.1	19.105	S	174.355	W	54	D	4.8		0.9	54	TONGA ISLANDS
26	02	07	54.8*	17.993	N	66.891	W	23	*			0.2	8	PUERTO RICO REGION. MD 2.8 (MPR).
26	02	33	42.3*	9.697	S	124.511	E	33	N	3.4		1.4	6	TIMOR REGION, INDONESIA
26	04	31	32.8&	34.539	S	70.401	W	5	G			0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
26	05	20	18.5?	34.54	S	70.35	W	5	G			0.4	8	CHILE-ARGENTINA BORDER REGION
26	05	46	19.5?	34.56	S	70.38	W	5	G			0.4	8	CHILE-ARGENTINA BORDER REGION
26	05	48	38.5	8.031	S	93.583	E	10	G	5.2	4.6	0.8	99	SOUTH INDIAN OCEAN. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:48:45.6; Lat 7.76 S; Lon 93.72 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.06, Plg=0, Azm=224; (N) Val=0.32, Plg=90, Azm=180; (P) Val=-1.38, Plg=0, Azm=134; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=269, Dip=90, Slip=-180; NP2: Strike=359, Dip=90, Slip=0.
26	06	20	52.5?	13.97	S	74.43	W	100	G			1.0	9	CENTRAL PERU
26	06	40	05.1*	3.458	S	145.403	E	33	N	4.7		1.1	21	NEAR N COAST OF NEW GUINEA, PNG.
26	07	11	19.0*	43.997	N	128.058	W	10	G	4.5		1.1	32	OFF COAST OF OREGON
26	07	19	48.5&	34.306	S	70.635	W	100	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
26	07	46	59.1*	36.068	N	27.255	E	33	N	4.0		1.3	13	DODECANESE ISLANDS
26	08	00	28.1&	66.178	N	149.978	W	28					19	NORTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
26	08	37	44.0?	37.15	N	141.64	E	10	G			0.4	5	NEAR EAST COAST OF HONSHU, JAPAN
26	08	50	32.6*	2.432	N	96.204	E	33	N	3.9		1.3	11	NORTHERN SUMATERA, INDONESIA
26	09	36	03.5	36.275	N	27.314	E	33	N	3.9		0.9	13	DODECANESE ISLANDS
26	10	08	50.3*	1.661	N	127.320	E	126	?	4.7		0.9	26	HALMAHERA, INDONESIA
26	11	58	55.4?	4.09	S	133.72	E	33	N	3.7		1.3	6	IRIAN JAYA REGION, INDONESIA
26	12	00	12.8*	45.697	N	15.030	E	10	G			0.9	5	NORTHWESTERN BALKAN REGION. ML 2.8 (VIE). Felt (IV) at Novo Mesto, Slovenia.
26	13	03	45.7*	42.416	N	15.908	E	10	G			0.6	6	ADRIATIC SEA
26	13	16	04.7?	32.28	S	71.76	W	10	G			0.6	11	NEAR COAST OF CENTRAL CHILE
26	13	17	17.2?	32.31	S	71.72	W	10	G			0.8	10	NEAR COAST OF CENTRAL CHILE
26	13	51	57.3&	33.929	S	71.203	W	70	G			0.6	7	NEAR COAST OF CENTRAL CHILE
26	14	09	40.9?	39.50	S	46.28	E	10	G	4.4		1.1	9	SOUTHWEST INDIAN RIDGE
26	14	23	06.5*	3.215	S	103.529	E	247	?	4.2		0.8	26	SOUTHERN SUMATERA, INDONESIA
26	15	19	20.5?	35.20	S	71.17	W	110	G			0.2	10	CENTRAL CHILE. MD 3.3 (SAN).
26	15	40	36.9	38.934	N	140.670	E	10	G	3.6		1.1	20	EASTERN HONSHU, JAPAN
26	16	52	17.5	51.427	N	176.887	W	33	N	4.5		1.3	37	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
26	17	29	10.7&	36.898	N	2.989	W	10	G			0.9	7	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
26	19	39	49.8?	9.70	S	124.13	E	57	?	3.8		0.5	8	TIMOR REGION, INDONESIA
26	19	53	29.2	9.874	S	74.743	W	24	D	5.0		0.7	104	CENTRAL PERU
26	21	05	27.5*	0.981	S	136.696	E	33	N	4.1		0.9	13	IRIAN JAYA REGION, INDONESIA
27	00	16	50.1*	40.041	N	43.261	E	33	N	4.1		1.3	15	GEORGIA-ARMENIA-TURKEY BORD REG.
27	00	21	43.3?	13.24	N	89.45	W	33	N	4.6		1.5	24	EL SALVADOR
27	00	30	23.9*	52.717	N	32.295	W	10	G	4.3		0.8	21	NORTH ATLANTIC OCEAN
27	00	32	44.6&	60.565	N	151.848	W	75					52	KENAI PENINSULA, ALASKA. <AEIC>.
27	01	06	00.4	0.635	S	124.066	E	72	*	5.0		1.3	74	SOUTHERN MOLUCCA SEA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time

01:06:04.8; Lat 0.49 S; Lon 124.36 E; Dep 74.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.77, Plg=43, Azm=6; (N) Val=-1.20, Plg=47, Azm=184; (P) Val=-5.58, Plg=1, Azm=275; Best double couple: Mo=6.2*10**16 Nm; NP1: Strike=42, Dip=60, Slip=147; NP2: Strike=150, Dip=62, Slip=34.

27	01	15	23.8	36.904	N	1.565	W	10	G		0.6	14	WESTERN MEDITERRANEAN SEA. mbLg 3.1 (MDD).
27	01	33	03.7	65.204	N	165.444	W	10	G	4.4	0.9	30	NORTHERN ALASKA. ML 4.4 (PMR).
27	01	41	46.2	7.292	S	107.075	E	33	N	4.8	0.9	42	JAWA, INDONESIA
27	01	44	10.5*	42.822	N	143.799	E	113	?	4.6	0.9	14	HOKKAIDO, JAPAN REGION
27	02	12	40.2	13.514	N	91.281	W	33	N	5.0 5.4	1.1	90	NEAR COAST OF GUATEMALA. Mw 5.7 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 02:12:42.9; Lat 13.19 N; Lon 92.04 W; Dep 15.0 Bdy; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=4.04, Plg=65, Azm=11; (N) Val=0.12, Plg=3, Azm=107; (P) Val=-4.16, Plg=25, Azm=199; Best double couple: Mo=4.1*10**17 Nm; NP1: Strike=295, Dip=21, Slip=98; NP2: Strike=106, Dip=70, Slip=87.

27	03	01	52.7?	32.39	S	71.93	W	10	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
27	03	12	14.9?	12.28	N	91.47	W	33	N	3.9	1.4	10	OFF COAST OF CENTRAL AMERICA
27	03	13	59.8*	51.257	N	176.618	W	33	N	4.2	0.9	6	ANDREANOF ISLANDS, ALEUTIAN IS.
27	03	56	20.5%	46.615	N	0.484	E	5	G		1.1	7	FRANCE. ML 2.3 (LDG).
27	04	31	07.4?	24.00	S	179.75	E	635	?	4.4	0.4	18	SOUTH OF FIJI ISLANDS
27	04	42	47.8?	37.11	N	3.60	W	10	G		0.5	4	SPAIN. mbLg 2.6 (MDD).
27	05	42	35.9%	33.885	S	71.469	W	50	G		0.3	8	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).
27	06	19	31.7	5.779	S	133.720	E	33	N	5.1	1.2	46	ARU ISLANDS REGION, INDONESIA
27	06	24	07.9	22.570	S	179.792	W	575	D	5.6	0.9	341	SOUTH OF FIJI ISLANDS. Mw 5.9 (GS), 5.9 (HRV). Me 5.3 (GS). mb 5.5 (BRK).

Broadband Source Parameters (GS): NP1: Strike=0, Dip=35, Slip=180; NP2: Strike=270, Dip=90, Slip=-55; Radiated energy 2.3*10**12 Nm.

Moment Tensor (GS): Dep 578; Principal axes (scale 10**17 Nm): (T) Val=7.45, Plg=29, Azm=339; (N) Val=0.03, Plg=16, Azm=78; (P) Val=-7.47, Plg=56, Azm=193; Best double couple: Mo=7.5*10**17 Nm; NP1: Strike=30, Dip=21, Slip=-140; NP2: Strike=262, Dip=76, Slip=-73.

Centroid, Moment Tensor (HRV): Centroid origin time 06:24:15.3; Lat 22.54 S; Lon 179.61 W; Dep 597.5; Half-duration 2.3 sec; Principal axes (scale 10**18 Nm): (T) Val=1.03, Plg=26, Azm=334; (N) Val=-0.17, Plg=18, Azm=74; (P) Val=-0.86, Plg=57, Azm=194; Best double couple: Mo=9.4*10**17 Nm; NP1: Strike=28, Dip=25, Slip=-138; NP2: Strike=259, Dip=74, Slip=-71.

27	06	34	42.1	22.435	S	179.746	W	581		5.0	0.9	155	SOUTH OF FIJI ISLANDS
27	07	53	38.7*	36.388	N	139.069	E	33	N		1.0	5	EASTERN HONSHU, JAPAN
27	09	18	55.0?	34.86	S	71.04	W	100	G		0.1	9	NEAR COAST OF CENTRAL CHILE
27	09	22	38.8	3.810	N	126.537	E	82	*	4.5	0.9	29	TALAUD ISLANDS, INDONESIA
27	10	50	49.4	36.883	S	78.486	E	10	G	5.3 5.8	1.2	70	MID-INDIAN RIDGE. Mw 6.0 (GS), 5.9 (HRV).

Moment Tensor (GS): Dep 24; Principal axes (scale 10**18 Nm): (T) Val=0.88, Plg=0, Azm=273; (N) Val=0.17, Plg=79, Azm=182; (P) Val=-1.05, Plg=11, Azm=4; Best double couple: Mo=9.6*10**17 Nm; NP1: Strike=48, Dip=82, Slip=-7; NP2: Strike=139, Dip=83, Slip=-172.

Centroid, Moment Tensor (HRV): Centroid origin time 10:50:55.3; Lat 36.81 S; Lon 78.47 E; Dep 15.0 Fix; Half-duration 2.3 sec; Principal axes (scale 10**17 Nm): (T) Val=7.77, Plg=0, Azm=271; (N) Val=0.62, Plg=88, Azm=164; (P) Val=-8.39, Plg=2, Azm=1; Best double couple: Mo=8.1*10**17 Nm; NP1: Strike=46, Dip=89, Slip=-1; NP2: Strike=136, Dip=89, Slip=-179.

27	12	52	34.6?	31.51	N	131.96	E	33	N		0.7	4	KYUSHU, JAPAN
27	12	55	33.4*	16.690	N	99.255	W	33	N	4.4	1.3	32	NEAR COAST OF GUERRERO, MEXICO
27	13	49	54.7?	5.38	S	153.87	E	33	N	4.5	1.4	10	NEW IRELAND REGION, P.N.G.
27	14	03	05.4*	14.623	S	167.269	E	134	?	4.9	1.0	34	VANUATU ISLANDS
27	14	36	39.1	6.933	S	12.724	W	10	G	5.2 5.1	1.0	155	ASCENSION ISLAND REGION. Mw 5.6 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 14:36:44.8; Lat 6.94 S; Lon 12.94 W; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.57, Plg=9, Azm=301; (N) Val=0.12, Plg=78, Azm=165; (P) Val=-2.69, Plg=8, Azm=33; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=77, Dip=78, Slip=0; NP2: Strike=347, Dip=90, Slip=168.

27	14	40	16.4?	39.31	N	32.16	E	33	N	3.1	1.2	12	TURKEY
27	14	42	41.5	46.892	N	12.900	E	10	G		1.2	11	NORTHERN ITALY. ML 3.7 (GRF).
27	15	01	14.7*	3.219	S	78.395	W	33	N	4.3	0.9	12	PERU-ECUADOR BORDER REGION
27	15	02	46.6*	7.469	S	127.953	E	128	?	4.7	1.3	17	BANDA SEA
27	15	16	52.8?	32.59	N	133.40	E	10	G		1.2	4	SHIKOKU, JAPAN
27	15	44	33.6?	33.08	S	72.04	W	10	G		0.4	10	OFF COAST OF CENTRAL CHILE. MD 3.6 (SAN).
27	15	53	09.8	43.087	N	0.585	W	10	G		1.1	23	PYRENEES. ML 3.1 (LDG), 2.8 (STR). mbLg 3.1 (MDD).
27	16	57	36.8&	63.240	N	151.160	W	4				45	CENTRAL ALASKA. <AEIC>. ML 2.6 (PMR).
27	17	01	42.1?	40.75	N	35.21	E	10	G	4.0	1.5	9	TURKEY. Felt in the Amasya-Corum area.
27	17	49	29.7*	14.897	S	166.912	E	33	N	4.0	1.1	38	VANUATU ISLANDS
27	18	19	52.7?	36.84	N	2.90	W	10	G		0.3	4	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
27	18	25	33.4*	36.652	N	139.522	E	10	G		0.2	5	EASTERN HONSHU, JAPAN
27	18	41	32.4*	1.062	S	24.436	W	10	G	4.5	0.4	10	CENTRAL MID-ATLANTIC RIDGE
27	21	25	59.2&	61.500	N	146.380	W	26		3.2		83	SOUTHERN ALASKA. <AEIC>. ML 3.7 (AEIC), 3.7 (PMR). Felt (III) at Valdez.
27	21	59	49.7?	9.73	S	75.38	W	109	?	4.3	1.3	16	CENTRAL PERU
27	22	26	04.1?	17.87	S	178.38	W	642	?	4.5	0.8	18	FIJI ISLANDS REGION
27	22	54	04.2	7.249	S	128.745	E	97	*	4.9	0.9	40	BANDA SEA
27	23	19	50.5?	3.07	S	139.24	E	33	N	4.3	0.5	7	IRIAN JAYA, INDONESIA
27	23	23	53.2*	35.368	N	140.460	E	33	N	4.3	1.0	7	NEAR EAST COAST OF HONSHU, JAPAN
28	00	03	02.7&	60.000	N	153.040	W	122				95	SOUTHERN ALASKA. <AEIC>.

28	01	06	13.4?	52.29	N	176.61	W	100	G	4.2		0.8	9	ANDREANOF ISLANDS, ALEUTIAN IS.
28	01	12	56.7&	62.910	N	149.380	W	87		3.6			136	CENTRAL ALASKA. <AEIC>.
28	01	47	42.6*	77.235	N	14.855	E	10	G			0.9	6	SVALBARD REGION
28	01	56	34.0	77.806	N	7.751	E	10	G	4.5		0.9	20	SVALBARD REGION
28	01	57	39.0?	1.70	S	136.21	E	33	N	4.6		0.8	7	IRIAN JAYA REGION, INDONESIA
28	03	21	36.5*	7.872	S	122.799	E	197	?	4.8		0.8	24	FLORES SEA
28	03	39	17.3	3.627	S	138.921	E	33	N	4.8		1.1	27	IRIAN JAYA, INDONESIA
28	03	57	05.2*	21.094	N	146.322	E	33	N			1.0	11	MARIANA ISLANDS REGION
28	04	39	03.4*	21.747	N	98.954	E	33	N			0.7	9	MYANMAR
28	05	00	55.4*	13.929	N	119.236	E	33	N	4.6		1.1	12	PHILIPPINE ISLANDS REGION
28	05	03	39.2*	51.298	N	176.682	W	33	N	4.0		0.9	8	ANDREANOF ISLANDS, ALEUTIAN IS.
28	05	54	08.9?	4.20	S	147.70	E	100	G	4.7		1.4	12	BISMARCK SEA
28	06	10	06.0?	34.61	S	71.07	W	70	G			0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.0 (SAN).
28	06	30	49.6	0.950	N	28.095	W	10	G	5.1	4.7	0.6	92	CENTRAL MID-ATLANTIC RIDGE. Mw 5.3 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 06:30:55.8; Lat 1.08 N; Lon 28.18 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.14, Plg=14, Azm=40; (N) Val=-0.06, Plg=74, Azm=189; (P) Val=-1.08, Plg=8, Azm=308; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=83, Dip=75, Slip=176; NP2: Strike=175, Dip=86, Slip=16.
28	07	07	41.4?	31.84	S	69.07	W	184	?			0.4	12	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
28	07	10	14.7&	38.324	N	4.306	W	10	G			0.7	14	SPAIN. mbLg 3.1 (MDD).
28	07	45	11.7?	37.33	N	3.76	W	10	G			0.4	4	SPAIN.
28	07	47	40.0&	37.515	N	3.579	W	10	G			0.7	16	SPAIN. mbLg 3.2 (MDD).
28	07	56	58.6*	1.958	N	126.947	E	33	N	5.0		0.9	26	NORTHERN MOLUCCA SEA
28	08	06	21.7&	34.023	S	70.001	W	5	G			0.3	9	CHILE-ARGENTINA BORDER REGION
28	09	35	35.0?	20.39	S	177.76	W	521	?	4.0		0.7	17	FIJI ISLANDS REGION
28	10	04	17.7?	13.48	N	45.04	W	10	G	4.4	4.2	0.9	9	NORTHERN MID-ATLANTIC RIDGE
28	10	05	07.9	19.908	N	121.477	E	48	*	4.9		1.0	53	PHILIPPINE ISLANDS REGION
28	10	36	00.4&	39.139	N	4.975	W	5	G			0.8	5	SPAIN. mbLg 2.5 (MDD).
28	12	22	09.2	37.642	N	21.419	E	33	N	4.5		1.2	68	SOUTHERN GREECE
28	12	46	02.8*	37.213	N	71.247	E	102	?			1.5	12	AFGHANISTAN-TAJIKISTAN BORD REG.
28	12	49	16.1&	32.981	S	71.136	W	33	N			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
28	13	19	47.5	54.915	N	13.767	E	10	G			1.5	7	GERMANY
28	14	00	39.4?	44.31	N	7.76	E	10	G			0.3	5	NORTHERN ITALY. ML 2.3 (LDG).
28	14	29	25.5&	37.617	N	4.638	W	10	G			0.5	14	SPAIN. mbLg 3.0 (MDD).
28	14	30	51.4&	58.338	N	151.692	W	0					38	KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
28	14	45	28.8	43.932	N	15.681	E	10	G			1.2	20	ADRIATIC SEA. ML 3.3 (VIE).
28	15	55	34.9	5.676	N	82.514	W	33	N	4.4	4.2	1.0	29	SOUTH OF PANAMA
28	16	01	45.2	10.644	S	161.345	E	33	D	5.6	5.3	1.1	135	SOLOMON ISLANDS. Mw 5.5 (HRV), 5.3 (GS). Me 5.1 (GS).
														Broadband Source Parameters (GS): Dep 30; Radiated energy 9.8*10**11 Nm.
														Moment Tensor (GS): Dep 19; Principal axes (scale 10**17 Nm): (T) Val=1.03, Plg=70, Azm=335; (N) Val=-0.01, Plg=14, Azm=106; (P) Val=-1.02, Plg=15, Azm=200; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=308, Dip=32, Slip=116; NP2: Strike=98, Dip=61, Slip=74.
														Centroid, Moment Tensor (HRV): Centroid origin time 16:01:48.6; Lat 10.78 S; Lon 161.45 E; Dep 35.6; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.99, Plg=77, Azm=17; (N) Val=0.08, Plg=3, Azm=121; (P) Val=-2.08, Plg=13, Azm=212; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=307, Dip=32, Slip=96; NP2: Strike=119, Dip=58, Slip=86.
28	16	53	11.7*	59.994	S	149.942	E	10	G	5.3	6.1	1.3	35	WEST OF MACQUARIE ISLAND. Mw 5.9 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 16:53:19.0; Lat 60.17 S; Lon 149.94 E; Dep 15.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=7.53, Plg=1, Azm=206; (N) Val=-0.08, Plg=89, Azm=26; (P) Val=-7.45, Plg=0, Azm=116; Best double couple: Mo=7.5*10**17 Nm; NP1: Strike=251, Dip=89, Slip=179; NP2: Strike=341, Dip=89, Slip=1.
28	17	16	17.1	9.379	N	84.313	W	33	N	5.5	5.5	0.9	259	COSTA RICA. Mw 5.9 (HRV), 5.8 (GS). Me 5.3 (GS). Felt throughout Costa Rica.
														Broadband Source Parameters (GS): Dep 20; NP1: Strike=300, Dip=40, Slip=120; NP2: Strike=83, Dip=56, Slip=67; Radiated energy 1.7*10**12 Nm.
														Moment Tensor (GS): Dep 19; Principal axes (scale 10**17 Nm): (T) Val=5.64, Plg=60, Azm=9; (N) Val=-0.15, Plg=17, Azm=131; (P) Val=-5.49, Plg=24, Azm=229; Best double couple: Mo=5.6*10**17 Nm; NP1: Strike=351, Dip=26, Slip=133; NP2: Strike=125, Dip=71, Slip=72.
														Centroid, Moment Tensor (HRV): Centroid origin time 17:16:22.0; Lat 9.23 N; Lon 84.22 W; Dep 27.9; Half-duration 2.3 sec; Principal axes (scale 10**17 Nm): (T) Val=7.78, Plg=68, Azm=42; (N) Val=0.65, Plg=6, Azm=296; (P) Val=-8.43, Plg=21, Azm=204; Best double couple: Mo=8.1*10**17 Nm; NP1: Strike=283, Dip=25, Slip=76; NP2: Strike=119, Dip=66, Slip=97.
28	17	35	40.9?	18.23	N	63.13	W	100	G			0.5	5	LEEWARD ISLANDS. MD 3.6 (TRN).
28	18	00	17.0&	37.413	N	118.565	W	14					30	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (GS).
28	18	51	23.5*	51.211	N	15.679	E	10	G			0.5	6	POLAND. ML 2.5 (MOX).
28	19	08	27.5*	10.217	N	126.460	E	33	N	4.4		0.8	14	PHILIPPINE ISLANDS REGION
28	20	04	32.4*	9.404	S	112.987	E	33	N	4.2		1.2	14	SOUTH OF JAWA, INDONESIA
28	21	00	27.0&	60.116	N	153.800	W	162					76	SOUTHERN ALASKA. <AEIC>.
28	21	28	59.8*	0.857	N	126.317	E	33	N	4.8		1.2	25	NORTHERN MOLUCCA SEA
28	21	53	47.3?	34.44	S	70.38	W	10	G			0.1	6	CHILE-ARGENTINA BORDER REGION
28	22	50	16.2*	1.322	S	14.871	W	10	G	4.6		1.0	10	NORTH OF ASCENSION ISLAND
28	23	33	27.0	20.043	N	145.626	E	104	D	4.5		0.9	28	MARIANA ISLANDS
28	23	49	39.1*	42.369	N	72.715	E	33	N	3.9		0.5	9	KYRGYZSTAN
29	00	00	58.9*	24.301	S	178.903	E	614	?	4.8		0.7	26	SOUTH OF FIJI ISLANDS

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29  00 37 08.8& 59.528 N  152.899 W   94                      47  SOUTHERN ALASKA. <AEIC>.
29  00 59 52.2*  4.742 S  103.038 E   33 N  4.7       1.1   16  SOUTHERN SUMATERA, INDONESIA
29  01 47 03.4?  3.87  N  126.15  E   33 N  4.0       0.6    6  TALAUD ISLANDS, INDONESIA
29  03 20 20.1* 24.062 S   66.737 W  194 *  4.2       0.9   29  SALTA PROVINCE, ARGENTINA
29  03 51 48.2* 50.427 N   18.857 E   10 G              1.0    6  POLAND. MG 2.9 (WAR).
29  04 47 03.9  42.490 S  172.755 E   33 N  5.0       1.0   47  SOUTH ISLAND, NEW ZEALAND. Mw 5.2 (HRV). Felt strongly at
                                                                  Hanmer Springs.
                                                                 Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  04:47:05.1; Lat 42.41 S; Lon 172.90 E; Dep 31.3; Half-
                                                                  duration 1.1 sec; Principal axes (scale 10**16 Nm): (T)
                                                                  Val=8.62, Plg=3, Azm=186; (N) Val=-0.35, Plg=60, Azm=90;
                                                                  (P) Val=-8.27, Plg=30, Azm=277; Best double couple:
                                                                  Mo=8.4*10**16 Nm; NP1: Strike=317, Dip=67, Slip=-20; NP2:
                                                                  Strike=55, Dip=72, Slip=-155.
29  05 09 05.3? 33.16  S   69.29  W    5 G              0.4   10  CHILE-ARGENTINA BORDER REGION
29  06 22 07.5  73.307 N    5.417 E   10 G  4.6       1.3   39  GREENLAND SEA
29  06 33 10.6*  9.448 N  126.598 E   33 N  4.4       0.7   17  MINDANAO, PHILIPPINE ISLANDS
29  08 04 18.2? 36.49  N  141.15  E   33 N              0.4    4  NEAR EAST COAST OF HONSHU, JAPAN
29  08 18 47.9   2.809 S  137.119 E   33 N  5.0 5.0    1.0   58  IRIAN JAYA, INDONESIA. Mw 5.2 (HRV).
                                                                 Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  08:18:48.2; Lat 2.97 S; Lon 137.14 E; Dep 18.1; Half-
                                                                  duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                  Val=7.69, Plg=82, Azm=255; (N) Val=-0.74, Plg=8, Azm=83;
                                                                  (P) Val=-6.95, Plg=1, Azm=353; Best double couple:
                                                                  Mo=7.3*10**16 Nm; NP1: Strike=75, Dip=44, Slip=78; NP2:
                                                                  Strike=271, Dip=47, Slip=101.
29  08 38 25.1* 30.089 N   88.180 E   33 N  4.7       0.9   14  XIZANG
29  08 52 12.6?  3.95  S  140.12  E   33 N  4.1       0.9    6  IRIAN JAYA, INDONESIA
29  09 24 26.9  35.131 N   26.099 E   69 D  4.5       1.3  154  CRETE
29  10 15 12.6& 58.250 N  151.600 W   19                      53  KODIAK ISLAND REGION. <AEIC>. ML 3.3 (AEIC).
29  11 56 00.8& 61.548 N  150.011 W   39                      45  SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
29  12 46 41.7* 13.224 S   76.471 W   67              0.8   12  NEAR COAST OF PERU. Felt (III) at Chincha Alta and San
                                                                  Vicente de Canete; (II) at Cerro Azul, Pisco and Quilmana.
29  12 47 14.7* 21.632 N  143.395 E  261 ?  3.7       0.8   16  MARIANA ISLANDS REGION
29  13 12 42.2?  2.61  S  137.17  E   33 N  4.0       1.1    9  IRIAN JAYA, INDONESIA
29  13 44 54.8  38.773 N  119.561 W    5 G              0.9   60  CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (GS), 3.3 (BRK). MD
                                                                  3.3 (GM).
29  14 10 10.5  17.459 S  174.992 W  196 *  4.7       0.9   84  TONGA ISLANDS
29  14 24 02.9?  4.05  S  137.04  E   33 N  4.3       1.2   12  IRIAN JAYA, INDONESIA
29  15 10 59.2   2.989 S  126.171 E   34 *  5.2       0.8   45  CERAM SEA
29  15 23 16.7? 32.83  N  135.07  E   24 *              0.5    6  SOUTHEAST OF SHIKOKU, JAPAN
29  15 50 01.1& 40.462 N  124.383 W   17                      24  NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM). ML 3.0
                                                                  (GS).
29  16 36 05.4& 59.998 N  153.014 W  104                      65  SOUTHERN ALASKA. <AEIC>.
29  16 50 20.3  30.373 S   69.080 W   60      4.4       0.9   37  CHILE-ARGENTINA BORDER REGION. MD 4.5 (SAN).
29  17 23 00.6*  5.457 S  147.218 E   33 N  4.5       1.1   19  EASTERN NEW GUINEA REG., P.N.G.
29  17 55 49.9*  7.103 S  129.129 E  141 ?  4.2       1.0   12  BANDA SEA
29  18 23 12.3? 31.59  S   69.48  W  180 G              0.4   10  SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
29  20 22 15.9   1.086 N   28.185 W   10 G  5.1 4.6    0.8   57  CENTRAL MID-ATLANTIC RIDGE. Mw 5.1 (HRV).
                                                                 Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  20:22:21.7; Lat 1.04 N; Lon 28.16 W; Dep 15.0 Fix; Half-
                                                                  duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                  Val=4.95, Plg=0, Azm=216; (N) Val=-0.02, Plg=90, Azm=180;
                                                                  (P) Val=-4.92, Plg=0, Azm=126; Best double couple:
                                                                  Mo=4.9*10**16 Nm; NP1: Strike=261, Dip=90, Slip=-180; NP2:
                                                                  Strike=351, Dip=90, Slip=0.
29  22 02 34.1& 65.570 N  144.630 W   11                      28  NORTHERN ALASKA. <AEIC>. ML 3.9 (AEIC), 4.1 (PMR).
29  22 05 19.4  51.199 N  178.121 W   33 N  4.4       0.7   21  ANDREANOF ISLANDS, ALEUTIAN IS.
29  22 43 09.7*  5.604 S  145.534 E   33 N  4.1       0.7   11  EASTERN NEW GUINEA REG., P.N.G.
29  22 43 51.5* 26.775 S   70.548 W   52 *              0.9   18  NEAR COAST OF NORTHERN CHILE
29  23 20 53.4?  0.61  S  135.64  E   33 N  4.2       1.1   10  IRIAN JAYA REGION, INDONESIA
30  01 12 47.8  42.648 N  105.619 E   33 N  4.5       1.1   32  MONGOLIA
30  01 59 44.2* 17.272 S   69.261 W  173 *              0.6    7  PERU-BOLIVIA BORDER REGION
30  02 11 42.2   5.240 S   68.588 E   10 G  5.1 5.0    0.9  137  CHAGOS ARCHIPELAGO REGION. Mw 5.3 (HRV).
                                                                 Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  02:11:46.3; Lat 5.40 S; Lon 68.60 E; Dep 15.0 Fix; Half-
                                                                  duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                  Val=9.79, Plg=9, Azm=75; (N) Val=-0.48, Plg=1, Azm=345; (P)
                                                                  Val=-9.31, Plg=81, Azm=251; Best double couple:
                                                                  Mo=9.6*10**16 Nm; NP1: Strike=166, Dip=36, Slip=-89; NP2:
                                                                  Strike=344, Dip=54, Slip=-91.
30  02 12 28.2& 40.524 N  124.808 W   13                      79  NEAR COAST OF NORTHERN CALIF. <GM-P>. Mw 4.0 (BRK). MD 3.6
                                                                  (GM). ML 3.9 (GS), 3.8 (BRK). Felt at Arcata, Eureka,
                                                                  Ferndale and The College of the Redwoods.
                                                                 Scalar Moment (BRK): Mo=9.9*10**14 Nm.
30  02 22 04.8* 38.854 N  140.600 E   57 *  3.6       1.4   20  EASTERN HONSHU, JAPAN
30  02 24 51.9?  2.83  N  122.37  E  599 ?  4.6       0.8   17  CELEBES SEA
30  03 46 13.4& 44.391 N    7.458 E    5 G              0.7    7  NORTHERN ITALY. ML 2.4 (LDG).
30  03 49 14.3  18.688 N  145.141 E  575      4.6       0.8   67  MARIANA ISLANDS
30  04 44 59.9& 61.736 N  150.314 W   39                      66  SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
30  04 50 55.0* 10.280 N   94.016 E   33 N              0.9    6  ANDAMAN ISLANDS, INDIA
30  05 14 44.7  33.229 S   72.138 W   33 N              0.9   18  OFF COAST OF CENTRAL CHILE. MD 4.4 (SAN).
30  05 18 57.7?  7.13  S  129.44  E  116 ?  4.6       1.3   12  BANDA SEA
30  05 26 02.9& 33.197 S   72.112 W   10 G              0.4    9  OFF COAST OF CENTRAL CHILE
30  05 30 44.2? 51.31  N  178.80  W   33 N  4.3       0.7   20  ANDREANOF ISLANDS, ALEUTIAN IS.
30  05 32 51.5*  8.899 S  124.158 E   33 N  4.3       1.2   16  TIMOR REGION, INDONESIA
30  05 53 18.6*  6.952 S  129.375 E  160 ?  4.5       1.1   13  BANDA SEA
30  06 24 47.6& 32.376 N  115.378 W    6 G                    34  CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. MD 4.0 (PAS).
                                                                  Felt in the Imperial Valley, California.
30  06 58 40.8  15.353 S   34.031 E   10 G  4.7       0.9   27  MALAWI
30  07 21 57.3?  7.85  S  147.80  E   33 N  3.7       0.7    7  EASTERN NEW GUINEA REG., P.N.G.
30  07 48 03.2*  0.090 N   17.761 W   10 G  4.3       1.0   11  NORTH OF ASCENSION ISLAND
30  08 28 57.8?  6.72  S  155.48  E   33 N  4.3       1.0    9  SOLOMON ISLANDS
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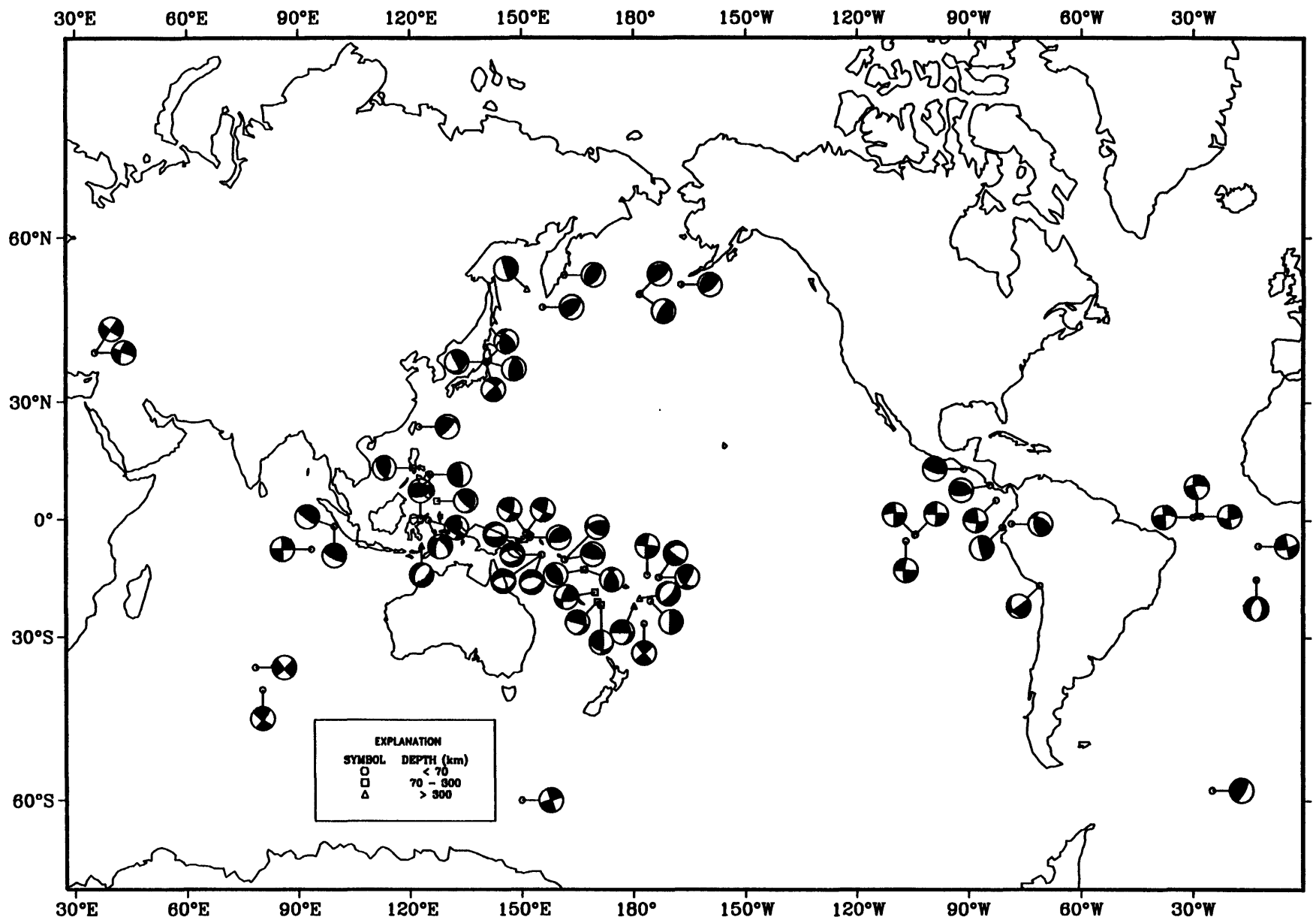
30	08	47	55.9?	17.22	N	62.26	W	90	G			0.2	5	LEEWARD ISLANDS. MD 3.5 (TRN).
30	09	01	48.0?	52.94	N	163.97	W	33	N			1.0	7	SOUTH OF ALASKA
30	09	16	04.4?	2.16	S	135.12	E	33	N	3.9		0.9	8	IRIAN JAYA REGION, INDONESIA
30	09	44	27.3	28.222	N	139.958	E	424		4.7		1.0	52	BONIN ISLANDS REGION
30	10	56	31.4	5.507	S	147.642	E	53	?	4.8		0.9	24	EASTERN NEW GUINEA REG., P.N.G.
30	11	07	09.7	5.445	S	150.716	E	145		5.1		0.9	65	NEW BRITAIN REGION, P.N.G. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:07:04.4; Lat 5.82 S; Lon 151.17 E; Dep 112.5; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.42, Plg=19, Azm=165; (N) Val=-0.17, Plg=16, Azm=261; (P) Val=-1.26, Plg=65, Azm=27; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=231, Dip=29, Slip=-123; NP2: Strike=88, Dip=66, Slip=-73.
30	11	41	55.8	1.073	N	29.087	W	10	G	5.0	5.0	0.8	108	CENTRAL MID-ATLANTIC RIDGE. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:42:01.0; Lat 0.98 N; Lon 29.02 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.59, Plg=2, Azm=38; (N) Val=0.29, Plg=68, Azm=302; (P) Val=-1.88, Plg=21, Azm=129; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=171, Dip=73, Slip=-14; NP2: Strike=265, Dip=77, Slip=-163.
30	12	10	54.7&	32.375	N	115.360	W	6	G				25	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. MD 3.0 (PAS). ML 3.1 (GS).
30	12	43	03.8*	18.146	N	66.718	W	-28	*			0.1	6	PUERTO RICO REGION. MD 2.6 (MPR).
30	13	01	48.1*	51.304	N	176.704	W	33	N	4.1		0.8	7	ANDREANOF ISLANDS, ALEUTIAN IS.
30	13	48	14.9*	6.156	S	146.310	E	74	D	4.2		0.9	17	EASTERN NEW GUINEA REG., P.N.G.
30	13	52	33.1*	23.709	S	177.362	W	172	D	4.4		1.2	30	SOUTH OF FIJI ISLANDS
30	14	38	07.8	50.693	N	157.015	E	50	D	4.6		0.9	51	KURIL ISLANDS
30	16	43	38.3*	36.760	N	70.943	E	73	?	4.4		1.3	16	HINDU KUSH REGION, AFGHANISTAN
30	18	01	39.3*	38.952	N	70.868	E	59	?			1.0	10	AFGHANISTAN-TAJIKISTAN BORD REG.
30	20	49	40.7?	37.21	N	5.17	E	10	G			0.6	14	WESTERN MEDITERRANEAN SEA
30	21	02	31.8&	34.400	S	70.466	W	10	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
30	21	13	41.8	52.318	N	151.485	E	580	D	5.1		0.7	400	SEA OF OKHOTSK. Mw 5.5 (GS), 5.5 (HRV). Moment Tensor (GS): Dep 595; Principal axes (scale 10**17 Nm): (T) Val=2.04, Plg=50, Azm=63; (N) Val=0.01, Plg=9, Azm=164; (P) Val=-2.05, Plg=38, Azm=261; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=39, Dip=11, Slip=146; NP2: Strike=163, Dip=84, Slip=81. Centroid, Moment Tensor (HRV): Centroid origin time 21:13:45.9; Lat 52.29 N; Lon 151.65 E; Dep 593.0; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.83, Plg=51, Azm=69; (N) Val=0.12, Plg=6, Azm=167; (P) Val=-1.95, Plg=39, Azm=262; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=32, Dip=9, Slip=136; NP2: Strike=166, Dip=84, Slip=84.
30	21	59	24.4*	36.256	N	140.105	E	33	N			0.2	5	NEAR EAST COAST OF HONSHU, JAPAN
30	22	50	55.9&	40.424	N	125.118	W	7		3.5			30	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.2 (GS), 3.1 (BRK).
30	23	00	30.9	3.333	S	12.039	W	10	G	4.9	4.8	0.7	94	NORTH OF ASCENSION ISLAND. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:00:38.1; Lat 3.21 S; Lon 12.32 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.64, Plg=0, Azm=255; (N) Val=-2.26, Plg=0, Azm=165; (P) Val=-6.38, Plg=90, Azm=180; Best double couple: Mo=7.5*10**16 Nm; NP1: Strike=345, Dip=45, Slip=-90; NP2: Strike=165, Dip=45, Slip=-90.
31	01	33	47.4?	5.51	N	75.30	W	33	N	4.4		0.8	17	COLOMBIA
31	04	53	54.9	36.910	N	22.922	E	60	?	4.0		0.9	16	SOUTHERN GREECE
31	05	16	14.2	54.246	N	162.501	W	33	N	4.6		1.1	62	ALASKA PENINSULA. ML 4.8 (PMR).
31	05	21	20.8*	5.655	S	147.519	E	33	N	4.2		0.3	9	EASTERN NEW GUINEA REG., P.N.G.
31	06	51	01.8	9.528	S	121.033	E	33	N	4.8		0.9	28	SAVU SEA
31	08	55	35.5*	31.277	S	138.462	E	10	G			1.2	6	SOUTH AUSTRALIA
31	09	20	29.5*	10.139	N	93.824	E	33	N	3.8		1.1	8	ANDAMAN ISLANDS, INDIA
31	10	09	49.8*	18.120	S	175.118	W	189	?	4.8		1.1	24	TONGA ISLANDS
31	10	19	27.8?	3.67	S	145.37	E	33	N	4.1		1.3	9	NEAR N COAST OF NEW GUINEA, PNG.
31	10	42	57.3?	40.71	N	72.78	E	33	N	3.7		1.1	13	KYRGYZSTAN
31	12	45	06.8	32.180	N	137.355	E	392	D	4.9		0.8	156	SOUTH OF HONSHU, JAPAN
31	12	59	12.9*	22.905	S	113.631	W	10	G	4.8	4.8	1.1	29	EASTER ISLAND REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:59:22.6; Lat 22.95 S; Lon 113.78 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.43, Plg=15, Azm=278; (N) Val=0.00, Plg=73, Azm=67; (P) Val=-8.43, Plg=8, Azm=186; Best double couple: Mo=8.4*10**16 Nm; NP1: Strike=321, Dip=73, Slip=175; NP2: Strike=53, Dip=85, Slip=17.
31	14	27	00.1	43.834	N	147.218	E	43	D	4.6		1.1	44	KURIL ISLANDS
31	14	33	35.3	37.621	N	20.859	E	37	?			1.0	13	IONIAN SEA
31	14	50	32.3?	34.86	N	141.78	E	33	N			0.5	5	OFF EAST COAST OF HONSHU, JAPAN
31	15	02	04.0?	31.47	N	131.91	E	10	G			1.0	5	KYUSHU, JAPAN
31	15	38	38.4?	32.47	S	70.09	W	120	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
31	15	42	22.7	43.722	N	10.216	E	10	G			0.7	17	CENTRAL ITALY. ML 2.9 (LDG).
31	15	49	56.5*	2.453	S	120.643	E	33	N	4.0		1.1	9	SULAWESI, INDONESIA
31	15	58	29.7	14.930	S	167.331	E	126	D	5.2		0.9	182	VANUATU ISLANDS. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:58:34.8; Lat 14.98 S; Lon 167.38 E; Dep 138.1; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.62, Plg=63, Azm=118; (N) Val=-0.71, Plg=22, Azm=335; (P) Val=-2.91, Plg=15, Azm=239; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=300, Dip=36, Slip=50; NP2: Strike=167, Dip=63, Slip=115.
31	16	03	25.3?	34.49	S	70.75	W	100	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
31	17	30	48.5?	6.26	N	60.08	E	10	G			1.4	7	CARLSBERG RIDGE
31	17	56	21.1*	51.440	N	159.692	E	33	N	4.1		0.7	12	OFF EAST COAST OF KAMCHATKA

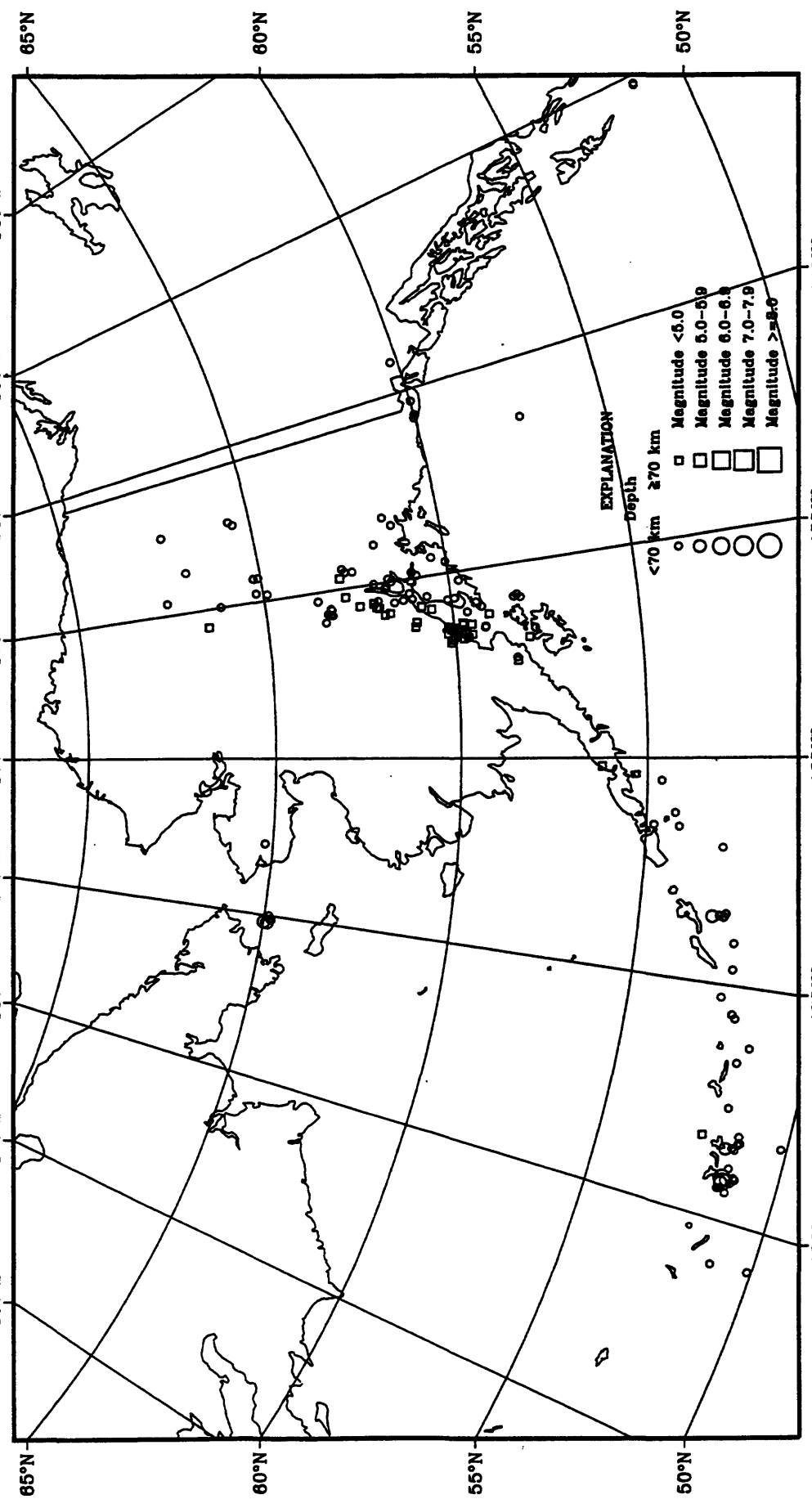
31	18	59	20.9*	52.992	S	72.378	W	33 N	5.1	1.1	23	SOUTHERN CHILE. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:59:20.6; Lat 53.43 S; Lon 73.12 W; Dep 30.2; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.02, Plg=12, Azm=182; (N) Val=0.23, Plg=55, Azm=74; (P) Val=-3.25, Plg=32, Azm=280; Best double couple: Mo=3.1*10**16 Nm; NP1: Strike=316, Dip=59, Slip=-16; NP2: Strike=54, Dip=77, Slip=-148.
31	19	02	50.5	51.643	N	16.194	E	10 G		0.7	16	POLAND. ML 3.3 (GRF), 3.1 (MOX).
31	20	35	06.0?	15.53	N	98.17	W	28 *		0.8	6	OFF COAST OF GUERRERO, MEXICO
31	20	47	21.0	51.493	N	178.218	W	44 D	5.6	1.0	310	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.5 (GS), 5.5 (HRV). Me 5.4 (GS). ML 6.0 (PMR). Felt (IV) on Adak. Broadband Source Parameters (GS): Dep 40; NP1: Strike=0, Dip=25, Slip=60; NP2: Strike=212, Dip=69, Slip=103; Radiated energy 2.8*10**12 Nm. Moment Tensor (GS): Dep 40; Principal axes (scale 10**17 Nm): (T) Val=2.12, Plg=66, Azm=146; (N) Val=0.29, Plg=12, Azm=29; (P) Val=-2.41, Plg=21, Azm=294; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=4, Dip=26, Slip=63; NP2: Strike=214, Dip=67, Slip=103. Centroid, Moment Tensor (HRV): Centroid origin time 20:47:24.1; Lat 51.47 N; Lon 178.07 W; Dep 47.0 Bdy; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.96, Plg=68, Azm=150; (N) Val=0.27, Plg=16, Azm=16; (P) Val=-2.24, Plg=15, Azm=282; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=350, Dip=33, Slip=60; NP2: Strike=205, Dip=62, Slip=108.
31	23	44	53.6	3.354	S	127.929	E	70 D	4.5	0.7	21	SERAM, INDONESIA
31	23	51	19.8	49.447	N	97.845	E	33 N	3.9	0.7	13	RUSSIA-MONGOLIA BORDER REGION

Compiled by Francis W. Baldwin, Pamela J. Benfield, Don L. Blakeman, George L. Choy, Stuart K. Koyanagi, John H. Minsch, Waverly J. Person, Stuart A. Sipkin and Madeleine D. Zirbes.

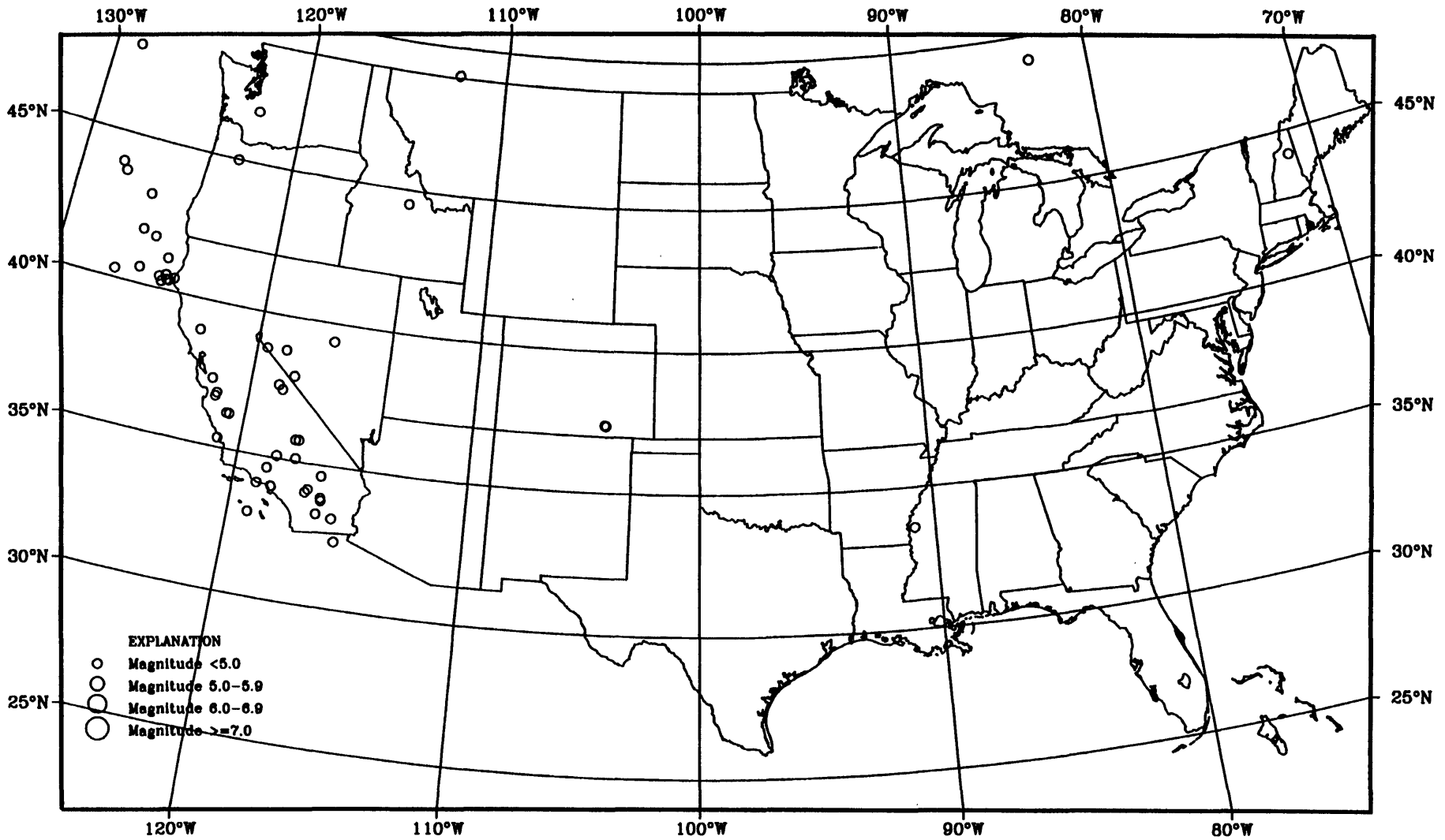
Earthquake Focal Mechanisms for August 1996



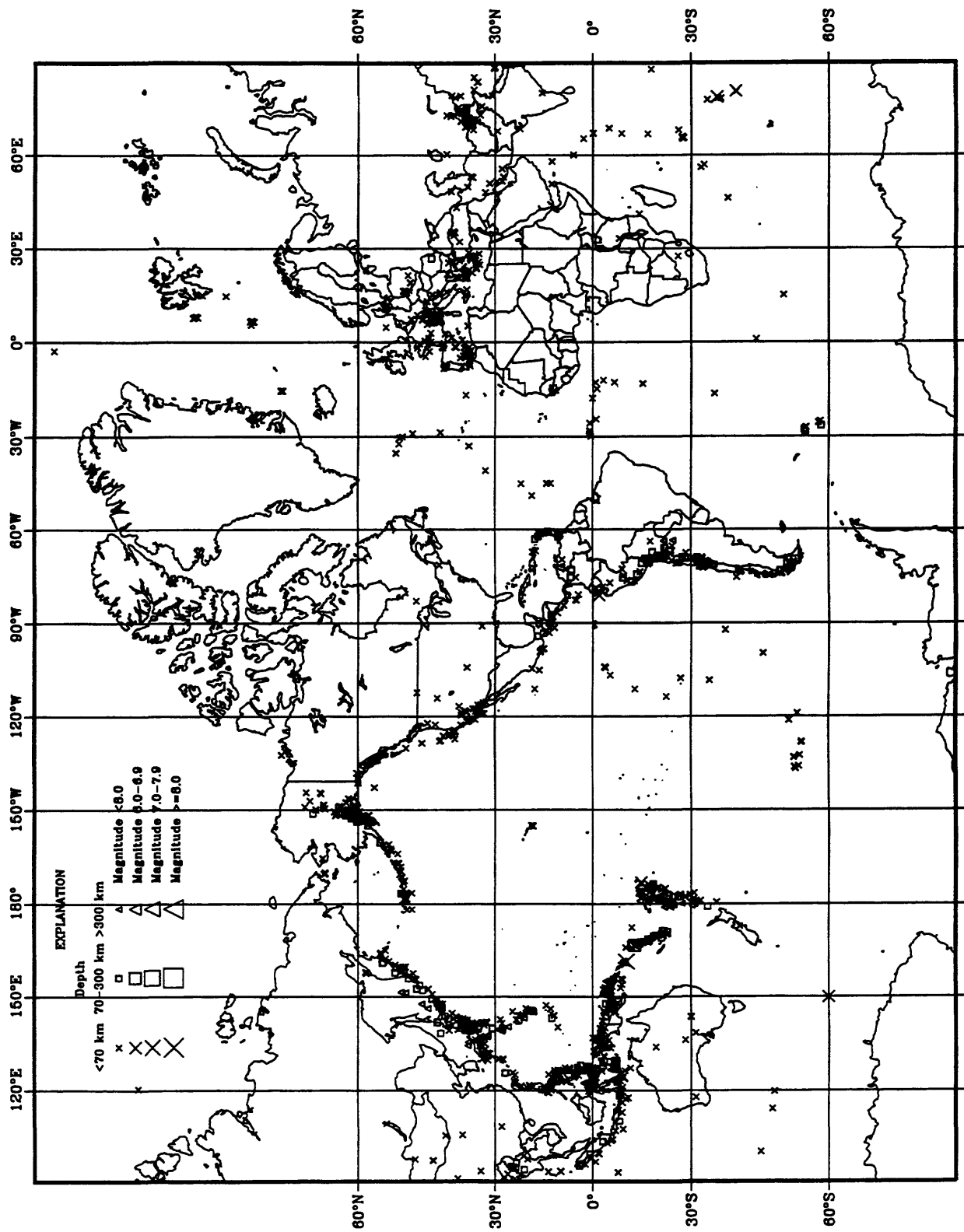
Earthquake epicenters in Alaska and adjacent regions for August 1996



Earthquake epicenters in the conterminous United States and adjacent regions for August 1996



Earthquakes located worldwide in August 1996



PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

SEPTEMBER 1996

ORIGIN TIME UTC DAY	HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDE GS MB	GS Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00	26	20.2*	5.991	S	146.850	E	82	?	4.8		0.8	24	EASTERN NEW GUINEA REG., P.N.G.
01	00	26	42.0*	45.082	N	149.249	E	33	N	4.5		1.0	19	KURIL ISLANDS
01	00	44	16.9?	34.0(	S	72.21	W	10	G			0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
01	01	05	23.0*	42.853	N	140.303	E	210	*	4.4		1.1	15	HOKKAIDO, JAPAN REGION
01	02	18	05.5*	4.733	N	94.812	E	33	N	4.2		1.2	8	OFF W COAST OF NORTHERN SUMATERA
01	02	41	48.1*	51.559	N	7.465	E	10	G			0.9	10	GERMANY. ML 2.5 (BNS), 2.5 (LDG), 2.5 (UCC), 2.3 (DBN). Probably mining induced.
01	03	33	24.5	51.016	N	5.887	E	10	G			0.8	15	THE NETHERLANDS. ML 2.9 (LDG), 2.5 (DBN), 2.4 (UCC).
01	04	30	10.4	39.656	N	75.225	E	33	N	4.2		1.0	22	SOUTHERN XINJIANG, CHINA
01	04	39	54.1?	23.22	S	178.91	E	600	G	4.0		1.1	16	SOUTH OF FIJI ISLANDS
01	04	49	57.3&	34.649	N	135.231	E	33	N			0.7	5	NEAR S. COAST OF WESTERN HONSHU
01	06	02	19.7&	60.903	N	149.093	W	33	N				31	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
01	06	07	23.6&	61.934	N	149.567	W	39					44	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 2.9 (PMR).
01	06	26	34.9?	16.85	S	174.44	W	33	N			1.0	9	TONGA ISLANDS
01	06	45	41.5	11.811	S	166.618	E	187	D	5.5		0.8	199	SANTA CRUZ ISLANDS. Mw 5.9 (GS), 5.8 (HRV). Me 5.6 (GS). mb 6.2 (BRK). Broadband Source Parameters (GS): Dep 169; NP1: Strike=60, Dip=45, Slip=110; NP2: Strike=213, Dip=48, Slip=71; Radiated energy 5.3*10**12 Nm. Moment Tensor (GS): Dep 173; Principal axes (scale 10**17 Nm): (T) Val=6.89, Plg=86, Azm=310; (N) Val=0.02, Plg=3, Azm=177; (P) Val=-6.91, Plg=3, Azm=87; Best double couple: Mo=6.9*10**17 Nm; NP1: Strike=174, Dip=42, Slip=86; NP2: Strike=359, Dip=48, Slip=94. Centroid, Moment Tensor (HRV): Centroid origin time 06:45:46.0; Lat 11.85 S; Lon 166.57 E; Dep 185.9; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.38, Plg=77, Azm=6; (N) Val=0.11, Plg=13, Azm=176; (P) Val=-6.49, Plg=2, Azm=266; Best double couple: Mo=6.4*10**17 Nm; NP1: Strike=10, Dip=44, Slip=109; NP2: Strike=164, Dip=49, Slip=73.
01	07	41	50.8?	40.73	N	21.03	E	10	G			1.1	9	GREECE
01	08	38	07.5*	18.713	N	145.233	E	576		3.9		1.0	30	MARIANA ISLANDS
01	09	17	33.0	10.373	N	69.130	W	33	N	4.6	3.9	1.1	71	VENEZUELA. Felt at Barquisimeto, Cabudare and El Tocuyo.
01	09	26	14.9	4.092	N	125.988	E	100	G	4.7		0.9	32	TALAUD ISLANDS, INDONESIA
01	09	44	08.6?	5.57	S	131.34	E	100	G	3.8		1.7	7	BANDA SEA
01	09	50	59.0	40.875	N	19.509	E	33	N	4.2		1.2	68	ALBANIA
01	10	09	02.5?	55.93	S	27.65	W	140	?	4.2		0.9	16	SOUTH SANDWICH ISLANDS REGION
01	10	21	02.6?	3.20	N	126.61	E	33	N	4.0		1.2	10	TALAUD ISLANDS, INDONESIA
01	10	27	04.5*	1.154	N	120.637	E	33	N	4.4		0.7	16	MINAHASSA PENINSULA, SULAWESI
01	10	37	19.0*	51.609	N	16.294	E	5	G			1.2	9	POLAND. ML 2.7 (MOX), 2.4 (CLL).
01	10	49	03.9*	38.087	N	142.267	E	33	N			1.5	13	NEAR EAST COAST OF HONSHU, JAPAN
01	11	23	54.7*	12.973	S	167.125	E	200	G	4.6		1.0	22	SANTA CRUZ ISLANDS
01	11	53	11.2?	3.22	S	140.13	E	33	N	3.9		1.1	10	IRIAN JAYA, INDONESIA
01	12	22	59.0?	6.96	S	155.54	E	33	N	4.0		1.1	11	SOLOMON ISLANDS
01	12	56	45.8&	44.109	N	10.152	E	20	G			0.9	10	NORTHERN ITALY. ML 2.6 (LDG).
01	13	21	56.7?	36.92	N	140.91	E	10	G			0.1	4	NEAR EAST COAST OF HONSHU, JAPAN
01	13	26	56.5	45.702	N	26.550	E	170				1.1	24	ROMANIA. Felt (III) in the Vrancea region.
01	13	31	17.4	44.024	N	148.474	E	33	N	4.6		1.0	41	KURIL ISLANDS
01	13	33	08.5?	23.17	S	179.55	E	600	G	4.0		1.0	10	SOUTH OF FIJI ISLANDS
01	14	17	03.9&	38.823	N	122.837	W	2					35	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.1 (BRK), 3.1 (GS).
01	14	58	52.9	53.759	N	163.581	W	33	N	4.5		1.1	48	UNIMAK ISLAND REGION
01	16	09	53.2?	51.18	N	176.92	W	33	N	4.2		0.7	4	ANDREANOF ISLANDS, ALEUTIAN IS.
01	16	28	27.7*	9.364	S	124.148	E	100	G	4.4		1.3	14	TIMOR REGION, INDONESIA
01	17	49	50.6*	23.464	S	179.818	W	531	D	4.7		1.0	46	SOUTH OF FIJI ISLANDS
01	18	15	55.5?	3.16	N	126.59	E	33	N	3.9		0.9	9	TALAUD ISLANDS, INDONESIA
01	18	30	11.2&	61.239	N	148.593	W	32					36	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.2 (PMR).
01	19	15	28.6*	30.376	N	138.607	E	400	G	3.5		0.8	9	SOUTH OF HONSHU, JAPAN
01	19	41	31.1&	60.194	N	152.697	W	105					35	SOUTHERN ALASKA. <AEIC>.
01	19	55	45.2&	38.819	N	122.841	W	3					32	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK), 2.9

														(GS).
01	20	11	49.3?	6.26	S	130.62	E	100	G	4.3		1.4	8	BANDA SEA
01	20	28	08.0?	44.92	N	145.86	E	33	N	3.8		1.2	8	HOKKAIDO, JAPAN REGION
01	20	31	12.6	44.411	N	124.834	W	10	G			0.7	32	NEAR COAST OF OREGON. MD 2.7 (SEA).
01	20	34	11.0&	35.745	N	117.621	W	5					30	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (GS).
01	21	15	25.2*	40.055	N	20.746	E	10	G	4.3		0.7	11	GREECE-ALBANIA BORDER REGION
01	23	45	57.5*	6.942	S	155.116	E	33	N	4.1		1.1	19	SOLOMON ISLANDS
01	23	47	29.2*	36.363	N	141.247	E	50	G	4.5		0.8	16	NEAR EAST COAST OF HONSHU, JAPAN
02	00	06	11.0?	1.28	S	136.30	E	33	N			1.2	10	IRIAN JAYA REGION, INDONESIA
02	00	08	36.6	44.392	N	7.264	E	10	G			0.6	23	NORTHERN ITALY. ML 3.0 (LDG), 2.9 (GEN).
02	00	17	33.7	44.393	N	7.256	E	10	G			0.5	16	NORTHERN ITALY. ML 2.8 (GEN), 2.6 (LDG).
02	00	29	13.6	1.100	N	121.835	E	33	N	4.7		0.9	23	MINAHASSA PENINSULA, SULAWESI
02	00	52	06.5*	39.617	N	143.723	E	33	N	4.5		0.6	12	OFF EAST COAST OF HONSHU, JAPAN
02	01	57	20.3*	36.048	N	71.018	E	107	D	4.3		1.2	16	AFGHANISTAN-TAJIKISTAN BORD REG.
02	02	11	30.0?	2.40	S	128.10	E	33	N			0.9	8	CERAM SEA
02	02	35	50.6*	3.930	S	69.448	E	10	G	4.4		1.0	28	CHAGOS ARCHIPELAGO REGION
02	02	45	23.1*	50.630	S	162.278	E	10	G			1.1	18	AUCKLAND ISLANDS REGION
02	02	59	04.0*	11.623	N	43.673	E	10	G	4.3		1.1	12	ETHIOPIA
02	03	08	08.2*	8.405	N	125.957	E	33	N	4.5		0.9	19	MINDANAO, PHILIPPINE ISLANDS
02	03	41	43.3?	3.13	S	148.19	E	33	N			0.8	7	BISMARCK SEA
02	05	36	27.8*	38.920	N	140.688	E	33	N			0.9	11	EASTERN HONSHU, JAPAN
02	07	40	46.9*	39.672	N	73.645	E	33	N			1.4	13	TAJIKISTAN-XINJIANG BORDER REG.
02	07	43	38.6&	55.668	N	158.418	W	62		4.7			153	ALASKA PENINSULA. <AEIC>. ML 5.0 (AEIC), 5.0 (PMR). Felt (IV) at Chignik, Ivanof Bay and Perryville.
02	07	48	03.4	44.624	N	149.475	E	33	N	5.2	4.4	1.0	160	KURIL ISLANDS
02	08	59	16.1?	4.53	S	152.28	E	150	G			1.2	11	NEW BRITAIN REGION, P.N.G.
02	10	13	03.6&	59.738	N	152.329	W	71					36	SOUTHERN ALASKA. <AEIC>.
02	12	10	15.6	26.231	N	128.816	E	33	N	4.7		0.9	19	RYUKYU ISLANDS
02	12	42	33.6	36.449	N	70.097	E	222	D	4.4		0.9	101	HINDU KUSH REGION, AFGHANISTAN
02	13	06	27.2?	11.83	N	61.96	W	120	G			0.4	6	WINDWARD ISLANDS. MD 3.2 (TRN).
02	14	09	58.7&	37.063	N	139.354	E	10	G			1.2	5	EASTERN HONSHU, JAPAN
02	15	39	40.2?	17.70	S	178.96	W	600	G			0.4	6	FIJI ISLANDS REGION
02	16	04	40.1&	34.196	N	139.401	E	33	N			0.8	10	NEAR S. COAST OF HONSHU, JAPAN
02	17	02	07.2&	4.128	S	128.936	E	33	N			0.7	8	BANDA SEA
02	17	34	12.4	24.224	S	67.004	W	186	D	4.5		1.3	38	CHILE-ARGENTINA BORDER REGION
02	18	45	12.8?	3.62	N	64.39	E	10	G			1.2	7	CARLSBERG RIDGE
02	18	56	22.2?	3.44	N	64.13	E	10	G			1.4	6	CARLSBERG RIDGE
02	19	07	01.5	37.666	N	1.645	W	20	G	4.6		1.2	114	SPAIN. mbLg 4.5 (MDD). ML 4.4 (LDG), 4.3 (STR). Felt (V) in the Mazarron area.
02	20	41	52.9	12.320	N	143.809	E	33	N	5.7	5.7	1.1	173	SOUTH OF MARIANA ISLANDS. Mw 5.9 (GS), 5.9 (HRV). Me 5.9 (GS). Felt (III) on Guam. Broadband Source Parameters (GS): Dep 8; NP1: Strike=145, Dip=55, Slip=-50; NP2: Strike=269, Dip=51, Slip=-133; Radiated energy 1.7*10**13 Nm. Moment Tensor (GS): Dep 3; Principal axes (scale 10**17 Nm): (T) Val=6.83, Plg=8, Azm=230; (N) Val=-0.02, Plg=21, Azm=323; (P) Val=-6.81, Plg=67, Azm=120; Best double couple: Mo=6.8*10**17 Nm; NP1: Strike=297, Dip=41, Slip=-123; NP2: Strike=158, Dip=57, Slip=-64. Centroid, Moment Tensor (HRV): Centroid origin time 20:41:52.7; Lat 12.15 N; Lon 143.90 E; Dep 15.0 Fix; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=7.91, Plg=6, Azm=232; (N) Val=-0.68, Plg=5, Azm=141; (P) Val=-7.23, Plg=82, Azm=7; Best double couple: Mo=7.6*10**17 Nm; NP1: Strike=328, Dip=40, Slip=-81; NP2: Strike=137, Dip=51, Slip=-97.
02	22	25	48.0*	36.704	N	71.264	E	150	G	4.2		1.1	9	AFGHANISTAN-TAJIKISTAN BORD REG.
02	23	41	57.5	45.962	N	6.142	E	10	G			0.9	12	FRANCE. ML 2.6 (LDG).
03	00	11	31.7	7.172	S	155.669	E	33	N	5.4	5.1	0.8	139	SOLOMON ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:11:33.5; Lat 7.42 S; Lon 155.78 E; Dep 15.0 Fix; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=2.10, Plg=69, Azm=22; (N) Val=0.11, Plg=8, Azm=134; (P) Val=-2.21, Plg=19, Azm=227; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=331, Dip=27, Slip=109; NP2: Strike=130, Dip=65, Slip=81.
03	00	29	00.8&	67.199	N	144.817	W	21					38	NORTHERN ALASKA. <AEIC>. ML 3.6 (AEIC).
03	00	34	34.0	7.149	S	155.650	E	33	N	5.0		0.8	52	SOLOMON ISLANDS
03	01	51	17.1*	6.705	S	72.669	E	10	G			0.9	18	CHAGOS ARCHIPELAGO REGION
03	01	53	57.9?	6.99	S	72.69	E	10	G			1.0	6	CHAGOS ARCHIPELAGO REGION
03	02	05	12.7?	10.60	S	165.78	E	200	G			1.1	15	SANTA CRUZ ISLANDS
03	02	09	19.0*	7.297	S	155.665	E	33	N			0.8	16	SOLOMON ISLANDS
03	02	36	58.3?	53.40	N	171.14	W	200	G	3.9		1.4	10	FOX ISLANDS, ALEUTIAN ISLANDS
03	04	49	11.5*	6.936	S	72.774	E	10	G			1.1	22	CHAGOS ARCHIPELAGO REGION
03	05	08	06.9&	37.517	N	1.547	W	10	G			0.5	5	SPAIN. mbLg 3.1 (MDD).
03	05	18	09.1&	61.339	N	140.210	W	10	G	3.8			111	SOUTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 4.4 (PGC), 4.2 (AEIC).
03	08	24	23.2&	60.051	N	151.150	W	40					63	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
03	08	59	51.8&	59.983	N	153.520	W	139					55	SOUTHERN ALASKA. <AEIC>.
03	09	21	33.7	7.896	S	122.355	E	250	G	5.1		1.0	23	FLORES SEA
03	09	44	52.6&	5.975	S	153.078	E	33	N			0.8	10	NEW IRELAND REGION, P.N.G.
03	09	57	26.8	40.203	N	142.652	E	33	N	5.1		0.8	121	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:57:29.1; Lat 40.08 N; Lon 142.74 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.23, Plg=59, Azm=282; (N) Val=-0.60, Plg=4, Azm=185; (P) Val=-5.63, Plg=31, Azm=93; Best double couple: Mo=5.9*10**16 Nm; NP1: Strike=169, Dip=14, Slip=73; NP2: Strike=7, Dip=76, Slip=94.
03	10	38	45.5*	18.582	N	146.914	E	33	N	4.0		0.8	11	MARIANA ISLANDS
03	10	58	49.4*	23.092	S	68.809	W	104	D	4.4		1.3	34	NORTHERN CHILE
03	11	00	36.2?	7.20	S	155.37	E	33	N			1.2	7	SOLOMON ISLANDS
03	11	22	16.2*	14.258	N	144.039	E	33	N			0.6	9	MARIANA ISLANDS

03	11	45	03.3	16.816	N	99.811	W	33	N	4.6	0.9	68	NEAR COAST OF GUERRERO, MEXICO
03	11	58	19.2?	7.65	S	155.79	E	150	G		0.8	8	SOLOMON ISLANDS
03	12	04	45.7	14.328	N	144.049	E	33	N	4.7	0.7	27	MARIANA ISLANDS
03	12	47	29.1	33.756	N	140.096	E	92	*	3.9	1.1	28	SOUTH OF HONSHU, JAPAN
03	12	49	34.8*	24.636	N	96.831	E	33	N		0.3	5	MYANMAR
03	13	25	42.5?	7.38	S	155.77	E	33	N		0.8	7	SOLOMON ISLANDS
03	15	30	25.8&	36.109	N	117.855	W	6	G			39	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 2.8 (PAS). ML 3.2 (GS).
03	16	01	53.7*	7.219	S	155.617	E	33	N	4.4	0.9	20	SOLOMON ISLANDS
03	16	18	52.1	7.258	S	155.534	E	33	N	4.9 4.5	1.0	42	SOLOMON ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:18:52.0; Lat 7.67 S; Lon 155.75 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.36, Plg=60, Azm=4; (N) Val=-0.96, Plg=12, Azm=116; (P) Val=-6.40, Plg=27, Azm=212; Best double couple: Mo=6.9*10**16 Nm; NP1: Strike=330, Dip=21, Slip=126; NP2: Strike=112, Dip=73, Slip=77.
03	16	33	04.5*	7.245	S	155.570	E	33	N	4.6	0.7	16	SOLOMON ISLANDS
03	16	34	55.3*	5.994	S	147.298	E	51	*		1.2	7	EASTERN NEW GUINEA REG., P.N.G.
03	17	01	54.2	26.192	N	110.524	W	10	G	5.0 5.1	0.9	146	GULF OF CALIFORNIA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:01:58.0; Lat 26.60 N; Lon 110.61 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.54, Plg=2, Azm=106; (N) Val=-1.05, Plg=52, Azm=199; (P) Val=-6.50, Plg=38, Azm=15; Best double couple: Mo=7.0*10**16 Nm; NP1: Strike=158, Dip=63, Slip=-153; NP2: Strike=54, Dip=66, Slip=-30.
03	18	13	51.3&	64.088	N	148.358	W	115				82	CENTRAL ALASKA. <AEIC>.
03	18	25	29.9?	7.56	S	156.45	E	33	N		1.2	8	SOLOMON ISLANDS
03	18	28	11.2?	7.42	S	72.05	E	10	G		0.8	7	CHAGOS ARCHIPELAGO REGION
03	19	17	23.3*	18.513	N	146.440	E	33	N	4.1	0.7	14	MARIANA ISLANDS
03	20	04	00.0	12.866	S	169.005	E	600	G	4.5	1.0	80	SANTA CRUZ ISLANDS REGION
03	20	39	11.5&	65.162	N	148.571	W	18				31	NORTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
03	21	38	01.6&	53.422	N	165.728	W	23		4.2		31	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 4.2 (AEIC).
03	23	11	01.1*	40.200	N	49.422	E	33	N	3.8	1.0	13	EASTERN CAUCASUS
03	23	53	17.2?	7.13	S	155.40	E	33	N		1.1	12	SOLOMON ISLANDS
03	23	53	38.5*	38.076	N	142.607	E	33	N		1.2	17	NEAR EAST COAST OF HONSHU, JAPAN
04	01	37	06.0?	20.55	N	121.51	E	33	N	4.6	0.8	7	PHILIPPINE ISLANDS REGION
04	02	10	07.4?	16.86	N	97.81	W	33	N	3.7	0.7	9	OAXACA, MEXICO
04	03	37	53.2	29.966	N	130.265	E	52		5.5 4.7	1.0	261	RYUKYU ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:37:55.7; Lat 29.49 N; Lon 130.39 E; Dep 60.5; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=0.99, Plg=46, Azm=308; (N) Val=0.21, Plg=36, Azm=85; (P) Val=-1.20, Plg=22, Azm=193; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=328, Dip=39, Slip=158; NP2: Strike=75, Dip=76, Slip=53.
04	03	59	43.4?	43.14	N	0.33	W	10	G		0.4	4	PYRENEES. ML 2.7 (LDG).
04	04	01	28.0*	38.996	N	9.353	W	10	G		0.8	10	PORTUGAL. mbLg 3.6 (MDD).
04	04	14	03.2	36.984	N	2.876	E	10	G	5.3 5.3	1.2	316	NORTHERN ALGERIA. Mw 5.5 (HRV). mbLg 5.1 (MDD). Felt in the Algiers area. Centroid, Moment Tensor (HRV): Centroid origin time 04:14:07.5; Lat 37.03 N; Lon 3.03 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.68, Plg=7, Azm=236; (N) Val=0.46, Plg=76, Azm=118; (P) Val=-2.14, Plg=12, Azm=327; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=11, Dip=76, Slip=-4; NP2: Strike=102, Dip=86, Slip=-166.
04	06	45	51.5	36.420	N	70.906	E	200	G	4.5	0.8	22	HINDU KUSH REGION, AFGHANISTAN
04	07	47	30.1?	6.85	N	73.07	W	150	G	4.0	0.9	16	NORTHERN COLOMBIA
04	07	53	55.5?	35.53	S	179.52	E	33	N	4.6	1.0	12	OFF E. COAST OF N. ISLAND, N.Z.
04	09	00	30.6&	36.117	N	117.855	W	6				65	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 3.5 (PAS). ML 3.7 (GS).
04	09	18	18.3*	41.791	N	126.869	W	10	G	3.6	0.6	23	OFF COAST OF NORTHERN CALIFORNIA
04	10	18	26.0	41.915	N	126.777	W	10	G	4.5 5.0	1.2	133	OFF COAST OF NORTHERN CALIFORNIA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:18:29.6; Lat 42.14 N; Lon 127.33 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.67, Plg=18, Azm=85; (N) Val=-0.07, Plg=4, Azm=176; (P) Val=-1.60, Plg=72, Azm=278; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=169, Dip=27, Slip=-98; NP2: Strike=358, Dip=63, Slip=-86.
04	10	23	25.0*	41.778	N	126.967	W	10	G	3.7	1.0	17	OFF COAST OF NORTHERN CALIFORNIA. ML 3.6 (GS).
04	10	24	49.8	41.777	N	126.834	W	10	G	4.7	1.3	41	OFF COAST OF NORTHERN CALIFORNIA
04	10	32	57.6&	35.101	N	117.495	W	6				29	CENTRAL CALIFORNIA. <PAS-P>. MD 3.2 (PAS). ML 3.1 (GS).
04	10	38	07.3	55.989	S	147.121	E	10	G	5.2	1.1	46	WEST OF MACQUARIE ISLAND
04	10	47	15.3	41.739	N	126.995	W	10	G	3.9	0.9	47	OFF COAST OF NORTHERN CALIFORNIA
04	10	49	38.9?	41.55	N	126.78	W	10	G	3.3	1.5	9	OFF COAST OF NORTHERN CALIFORNIA
04	11	30	55.1*	42.188	N	125.664	W	10	G	3.7	0.6	22	OFF COAST OF OREGON
04	12	18	42.1?	51.20	N	16.03	E	10	G		0.8	5	POLAND. ML 2.8 (MOX).
04	13	10	24.2&	60.151	N	152.514	W	88				61	SOUTHERN ALASKA. <AEIC>.
04	13	37	24.6?	32.15	S	70.45	W	100	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
04	14	11	57.9	20.753	S	178.873	W	600	G	4.8	0.8	52	FIJI ISLANDS REGION
04	14	27	58.3?	56.92	S	126.27	W	10	G	4.3	0.5	7	SOUTHERN EAST PACIFIC RISE
04	15	18	27.4	29.038	N	140.833	E	65	D	5.4	0.9	188	SOUTH OF HONSHU, JAPAN. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:18:28.2; Lat 29.22 N; Lon 141.15 E; Dep 78.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.63, Plg=57, Azm=95; (N) Val=2.29, Plg=31, Azm=256; (P) Val=-8.92, Plg=9, Azm=351; Best double couple: Mo=7.8*10**16 Nm; NP1: Strike=113, Dip=46, Slip=137; NP2: Strike=236, Dip=61, Slip=53.
04	17	11	21.9	34.837	N	139.706	E	44		4.8	0.9	43	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) at Tateyama

and (II JMA) at Tokyo and Yokohama.

04	18	16	01.9	31.555	N	139.931	E	33	N	5.4	5.1	1.2	91

SOUTH OF HONSHU, JAPAN. Mw 5.7 (GS), 5.7 (HRV). Local tsunami generated with maximum recorded wave heights (peak-to-trough) of 26 cm on Hachijo-jima, 20 cm at Okada, O-shima and 16 cm on Miyake-jima.
Moment Tensor (GS): Dep 19; Principal axes (scale 10**17 Nm): (T) Val=4.12, Plg=81, Azm=101; (N) Val=-0.07, Plg=9, Azm=288; (P) Val=-4.05, Plg=1, Azm=198; Best double couple: Mo=4.1*10**17 Nm; NP1: Strike=279, Dip=45, Slip=77; NP2: Strike=117, Dip=47, Slip=102.
Centroid, Moment Tensor (HRV): Centroid origin time 18:16:07.2; Lat 31.48 N; Lon 140.06 E; Dep 24.4; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=5.18, Plg=79, Azm=111; (N) Val=-1.60, Plg=3, Azm=217; (P) Val=-3.58, Plg=10, Azm=307; Best double couple: Mo=4.4*10**17 Nm; NP1: Strike=41, Dip=35, Slip=95; NP2: Strike=215, Dip=55, Slip=86.

04	18	42	09.5?	20.52	S	179.12	W	600	G	4.0		1.0	10

FIJI ISLANDS REGION

04	18	55	34.5*	35.243	N	140.233	E	114	*			0.7	13

NEAR EAST COAST OF HONSHU, JAPAN

04	19	02	00.8&	61.775	N	150.778	W	53					66

SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).

04	19	06	49.8	9.365	N	84.266	W	33		5.8	5.9	1.0	321

COSTA RICA. Mw 6.2 (GS), 6.2 (HRV). Me 5.4 (GS).
Broadband Source Parameters (GS): Dep 18; NP1: Strike=98, Dip=67, Slip=81; NP2: Strike=300, Dip=25, Slip=110; Radiated energy 2.9*10**12 Nm.
Moment Tensor (GS): Dep 21; Principal axes (scale 10**18 Nm): (T) Val=1.94, Plg=66, Azm=23; (N) Val=-0.01, Plg=7, Azm=129; (P) Val=-1.93, Plg=23, Azm=222; Best double couple: Mo=1.9*10**18 Nm; NP1: Strike=327, Dip=23, Slip=109; NP2: Strike=126, Dip=68, Slip=82.
Centroid, Moment Tensor (HRV): Centroid origin time 19:06:55.6; Lat 9.37 N; Lon 84.36 W; Dep 20.0 Fix; Half-duration 3.2 sec; Principal axes (scale 10**18 Nm): (T) Val=2.32, Plg=65, Azm=11; (N) Val=0.05, Plg=4, Azm=110; (P) Val=-2.38, Plg=25, Azm=202; Best double couple: Mo=2.3*10**18 Nm; NP1: Strike=301, Dip=21, Slip=102; NP2: Strike=109, Dip=70, Slip=86.

04	19	18	59.3	6.450	S	130.444	E	33	N	5.0		0.8	22

BANDA SEA

04	19	59	49.1&	37.546	N	1.436	W	10	G			0.7	12

SPAIN. mbLg 3.1 (MDD).

04	20	39	52.3*	35.396	N	46.263	E	33	N	4.4		1.1	38

IRAN-IRAQ BORDER REGION. Felt at Marivan and Sanandaj, Iran.

04	21	48	15.2&	60.395	N	152.055	W	75					66

SOUTHERN ALASKA. <AEIC>.

04	22	16	08.9&	58.135	N	155.116	W	98					46

ALASKA PENINSULA. <AEIC>.

04	22	40	13.6	7.150	S	155.692	E	33	N	4.9	4.6	0.8	75

SOLOMON ISLANDS

04	22	48	44.8&	34.978	N	116.952	W	6					25

SOUTHERN CALIFORNIA. <PAS-P>. MD 3.3 (PAS). ML 3.3 (GS).

04	23	11	08.1?	23.12	S	114.71	W	10	G	4.5		0.8	13

EASTER ISLAND REGION

04	23	12	41.0?	5.16	S	154.11	E	33	N	4.2		1.4	6

SOLOMON ISLANDS

04	23	18	03.5	37.069	N	2.939	E	10	G	3.4		1.0	45

WESTERN MEDITERRANEAN SEA. mbLg 3.8 (MDD).

04	23	51	26.8	42.003	S	174.741	E	33	N	5.1		1.1	29

OFF E. COAST OF S. ISLAND, N.Z.

05	00	39	02.7?	2.73	N	128.98	E	150	G	4.1		0.3	8

HALMAHERA, INDONESIA

05	01	09	01.5?	18.74	N	145.28	E	400	G			0.7	5

MARIANA ISLANDS

05	03	18	18.1?	35.82	N	70.64	E	100	G			1.1	5

HINDU KUSH REGION, AFGHANISTAN

05	04	17	16.2	18.950	N	39.256	E	10	G	4.8	4.7	1.1	34

RED SEA

05	04	29	56.3?	36.27	N	143.03	E	33	N			1.3	6

OFF EAST COAST OF HONSHU, JAPAN

05	04	35	05.0	51.670	N	16.256	E	10	G			1.1	12

POLAND. ML 2.3 (MOX).

05	05	52	43.6*	44.836	N	149.062	E	33	N	3.9		0.9	11

KURIL ISLANDS

05	06	02	13.8?	55.84	S	155.86	E	10	G	4.6		1.2	11

MACQUARIE ISLANDS REGION

05	08	14	14.4	22.118	S	113.436	W	10	G	6.2	7.0	1.1	360

EASTER ISLAND REGION. Mw 6.9 (HRV), 6.7 (GS). Me 6.4 (GS). Ms 7.0 (BRK). Local tsunami generated with maximum recorded wave heights (peak-to-trough) of 18 cm on Easter Island.
Broadband Source Parameters (GS): Radiated energy 9.8*10**13 Nm.
Moment Tensor (GS): Dep 5; Principal axes (scale 10**19 Nm): (T) Val=1.38, Plg=66, Azm=11; (N) Val=0.11, Plg=1, Azm=279; (P) Val=-1.48, Plg=24, Azm=189; Best double couple: Mo=1.4*10**19 Nm; NP1: Strike=277, Dip=21, Slip=87; NP2: Strike=99, Dip=69, Slip=91.
Centroid, Moment Tensor (HRV): Centroid origin time 08:14:27.1; Lat 22.32 S; Lon 113.28 W; Dep 16.0 Fix; Half-duration 6.1 sec; Principal axes (scale 10**19 Nm): (T) Val=1.84, Plg=75, Azm=282; (N) Val=0.65, Plg=15, Azm=109; (P) Val=-2.50, Plg=2, Azm=18; Best double couple: Mo=2.2*10**19 Nm; NP1: Strike=93, Dip=45, Slip=69; NP2: Strike=303, Dip=49, Slip=110.
Scalar Moment (PPT): Mo=1.7*10**19 Nm.

05	08	16	55.4	36.729	N	116.266	W	10	G			0.8	32

CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (GS).

05	08	20	48.8	36.726	N	116.285	W	5	G			0.6	11

CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (GS).

05	08	56	21.9*	22.162	S	113.401	W	10	G	4.6		0.7	23

EASTER ISLAND REGION

05	09	10	20.7	22.054	S	113.099	W	10	G	5.6		1.0	94

EASTER ISLAND REGION

05	09	22	29.7?	7.07	S	130.66	E	100	G	4.3		1.0	7

TANIMBAR ISLANDS REG., INDONESIA

05	09	46	59.4	22.056	S	113.083	W	10	G	5.6	5.9	1.0	215

EASTER ISLAND REGION. Mw 6.2 (HRV). Ms 6.1 (BRK).
Centroid, Moment Tensor (HRV): Centroid origin time 09:47:08.8; Lat 21.94 S; Lon 112.98 W; Dep 15.0 Fix; Half-duration 3.1 sec; Principal axes (scale 10**18 Nm): (T) Val=1.59, Plg=43, Azm=301; (N) Val=0.91, Plg=38, Azm=78; (P) Val=-2.50, Plg=23, Azm=188; Best double couple: Mo=2.0*10**18 Nm; NP1: Strike=324, Dip=41, Slip=162; NP2: Strike=68, Dip=78, Slip=51.

05	09	55	00.2?	54.50	S	148.53	E	10	G	4.3		1.5	9

WEST OF MACQUARIE ISLAND

05	10	25	11.7?	6.81	N	76.05	W	33	N	4.0		0.9	6

NORTHERN COLOMBIA

05	10	59	26.9*	6.760	S	72.810	E	10	G	4.7		1.2	29

CHAGOS ARCHIPELAGO REGION

05	11	33	23.7&	36.376	N	139.431	E	10	G			0.9	5

EASTERN HONSHU, JAPAN

05	12	52	03.1	10.330	S	161.154	E	33	N	5.1	4.4	0.7	47

SOLOMON ISLANDS. Felt at Honiara.

05	12	54	20.1?	26.02	S	179.76	E	500	G	4.5		1.1	17

SOUTH OF FIJI ISLANDS

05	15	26	40.8	0.399	N	120.436	E	33	N	5.1	4.8	1.2	71

MINAHASSA PENINSULA, SULAWESI

05	15	36	27.1	0.360	N	120.453	E	33	N	5.3	5.0	1.3	97	MINAHASSA PENINSULA, SULAWESI. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:36:32.2; Lat 0.71 N; Lon 120.66 E; Dep 24.2; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=4.21, Plg=18, Azm=299; (N) Val=-0.89, Plg=11, Azm=206; (P) Val=-3.32, Plg=69, Azm=85; Best double couple: Mo=3.8*10**17 Nm; NP1: Strike=46, Dip=29, Slip=-67; NP2: Strike=200, Dip=63, Slip=-102.
05	15	43	37.0	0.338	N	120.228	E	33	N	4.9		1.1	34	MINAHASSA PENINSULA, SULAWESI
05	15	43	54.5?	13.12	S	167.10	E	200	G			1.3	7	VANUATU ISLANDS
05	16	21	25.0?	0.10	N	120.95	E	400	G			1.2	6	MINAHASSA PENINSULA, SULAWESI
05	16	24	16.2&	36.107	N	117.861	W	4					49	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 3.4 (PAS). ML 3.5 (GS).
05	17	07	09.9	2.075	N	127.449	E	33	N	4.5		0.5	23	NORTHERN MOLUCCA SEA
05	17	16	56.9?	36.97	N	141.51	E	10	G			1.0	6	NEAR EAST COAST OF HONSHU, JAPAN
05	17	24	24.4	37.573	N	1.533	W	10	G	3.1		0.6	19	SPAIN. mbLg 3.4 (MDD). Felt (III) in the Mazarron area.
05	17	45	48.1*	0.266	N	120.337	E	33	N	4.2		1.1	12	MINAHASSA PENINSULA, SULAWESI
05	18	39	12.3?	32.93	S	178.52	W	33	N	4.5		1.2	21	SOUTH OF KERMADEC ISLANDS
05	20	18	33.8*	49.333	N	158.514	E	33	N	3.8		0.9	16	EAST OF KURIL ISLANDS
05	20	44	09.2	42.803	N	17.936	E	10	G	5.6	6.0	1.3	360	ADRIATIC SEA. Mw 6.0 (HRV), 5.7 (GS). Me 5.7 (GS). Ms 6.1 (BRK). Several people injured, 2,000 left homeless and extensive damage (VIII) in the Ston-Slano area, Croatia. Felt (VI) at Herceg-Novi, Kotor and Tivat; (V) at Bar, Budva, Niksic and Podgorica, Yugoslavia. Felt (V) in the Shkoder area, Albania and (IV) at Skopje, former Yugoslav Republic of Macedonia. Felt in many parts of Bosnia and Herzegovina, Croatia and Yugoslavia. Broadband Source Parameters (GS): Dep 12; NP1: Strike=285, Dip=55, Slip=30; NP2: Strike=177, Dip=66, Slip=141; Radiated energy 8.2*10**12 Nm. Moment Tensor (GS): Dep 13; Principal axes (scale 10**17 Nm): (T) Val=3.31, Plg=68, Azm=122; (N) Val=0.13, Plg=22, Azm=308; (P) Val=-3.44, Plg=2, Azm=217; Best double couple: Mo=3.4*10**17 Nm; NP1: Strike=286, Dip=47, Slip=60; NP2: Strike=146, Dip=51, Slip=118. Centroid, Moment Tensor (HRV): Centroid origin time 20:44:17.3; Lat 42.78 N; Lon 17.77 E; Dep 15.0 Fix; Half-duration 2.5 sec; Principal axes (scale 10**18 Nm): (T) Val=1.23, Plg=77, Azm=53; (N) Val=-0.05, Plg=1, Azm=146; (P) Val=-1.18, Plg=13, Azm=236; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=328, Dip=32, Slip=92; NP2: Strike=146, Dip=58, Slip=89.
05	21	12	26.6?	12.65	N	143.96	E	33	N	4.3		1.0	7	SOUTH OF MARIANA ISLANDS
05	21	17	58.2	42.753	N	17.881	E	10	G			1.3	35	ADRIATIC SEA
05	21	22	21.0	35.999	S	73.010	W	20	G	4.6		0.7	19	OFF COAST OF CENTRAL CHILE. MD 4.6 (SAN). Felt (IV) at Cauquenes, Chanco, Cobquecura, Pelluhue and Quirihue.
05	21	41	46.8	42.850	N	17.983	E	10	G			1.0	17	ADRIATIC SEA
05	21	43	31.1	42.826	N	17.845	E	10	G	4.9		1.3	152	ADRIATIC SEA
05	21	44	09.1?	32.60	S	178.68	W	33	N	4.8		1.3	14	SOUTH OF KERMADEC ISLANDS
05	22	42	49.8*	25.103	S	179.371	E	600	G	4.3		0.8	20	SOUTH OF FIJI ISLANDS
05	22	44	43.7*	13.000	N	121.017	E	33	N	5.0		1.0	19	MINDORO, PHILIPPINE ISLANDS
05	22	52	43.1*	13.866	N	120.462	E	33	N	4.6		1.0	21	MINDORO, PHILIPPINE ISLANDS
05	23	39	29.0*	42.853	N	17.810	E	10	G			1.2	10	ADRIATIC SEA
05	23	42	06.1	21.898	N	121.498	E	20	G	6.4	6.6	1.0	372	TAIWAN REGION. Mw 6.8 (HRV), 6.7 (GS). Me 6.9 (GS). Ms 6.4 (BRK). Felt on Taiwan. Also felt (III RF) at Pasuquin, Luzon, Philippines. Broadband Source Parameters (GS): Dep 17; NP1: Strike=235, Dip=40, Slip=120; NP2: Strike=18, Dip=56, Slip=67; Radiated energy 4.9*10**14 Nm. Two events about 6 seconds apart. Depth based on second event. Moment Tensor (GS): Dep 21; Principal axes (scale 10**19 Nm): (T) Val=1.14, Plg=66, Azm=212; (N) Val=0.01, Plg=24, Azm=43; (P) Val=-1.15, Plg=4, Azm=312; Best double couple: Mo=1.1*10**19 Nm; NP1: Strike=18, Dip=46, Slip=56; NP2: Strike=242, Dip=53, Slip=120. Centroid, Moment Tensor (HRV): Centroid origin time 23:42:16.6; Lat 21.78 N; Lon 121.45 E; Dep 30.8; Half-duration 6.4 sec; Principal axes (scale 10**19 Nm): (T) Val=1.84, Plg=77, Azm=227; (N) Val=0.14, Plg=12, Azm=20; (P) Val=-1.98, Plg=6, Azm=111; Best double couple: Mo=1.9*10**19 Nm; NP1: Strike=214, Dip=41, Slip=108; NP2: Strike=11, Dip=52, Slip=75. Scalar Moment (PPT): Mo=4.5*10**19 Nm.
05	23	55	13.8	21.462	N	121.159	E	20	G	4.6		0.7	16	TAIWAN REGION
06	00	26	01.1	21.608	N	121.421	E	20	G	5.2		0.9	72	TAIWAN REGION
06	00	31	15.7	42.796	N	17.811	E	10	G	4.2		1.1	54	ADRIATIC SEA. ML 3.6 (ROM).
06	00	37	36.6*	21.631	N	121.430	E	20	G	4.3		1.0	20	TAIWAN REGION
06	00	55	34.7?	21.53	N	121.39	E	20	G	4.1		1.3	11	TAIWAN REGION
06	00	57	50.0*	21.735	N	121.209	E	20	G	4.3		0.9	13	TAIWAN REGION
06	01	13	19.3*	21.766	N	121.257	E	20	G	4.2		0.8	13	TAIWAN REGION
06	01	14	18.5	42.654	N	17.872	E	10	G	4.4		1.1	69	ADRIATIC SEA
06	01	25	45.7	21.608	N	121.319	E	20	G	5.0		1.2	44	TAIWAN REGION
06	01	30	38.8	42.896	N	17.799	E	10	G			1.2	25	ADRIATIC SEA. ML 3.2 (ROM).
06	01	30	47.9*	6.665	N	126.252	E	33	N	4.7		0.9	17	MINDANAO, PHILIPPINE ISLANDS
06	02	04	54.7	21.718	N	121.386	E	20	G	5.4		0.9	118	TAIWAN REGION
06	02	11	28.2&	37.574	N	1.556	W	10	G			0.9	10	SPAIN. mbLg 2.9 (MDD).
06	02	20	29.4	21.638	N	121.397	E	20	G	5.1		1.2	60	TAIWAN REGION
06	02	22	04.6	21.669	N	121.429	E	20	G	4.9		1.2	16	TAIWAN REGION
06	02	35	51.3?	15.44	N	93.17	W	33	N	3.8		1.2	12	NEAR COAST OF CHIAPAS, MEXICO
06	02	47	39.6?	6.62	N	123.14	E	600	G	4.7		1.1	12	MINDANAO, PHILIPPINE ISLANDS
06	02	59	42.5	42.832	N	17.837	E	10	G			1.2	44	ADRIATIC SEA. ML 3.3 (ROM).
06	03	31	52.2	42.812	N	17.853	E	10	G	4.4		1.2	99	ADRIATIC SEA. ML 4.1 (ROM).
06	03	46	54.5	42.874	N	17.697	E	10	G			1.1	72	ADRIATIC SEA. ML 3.7 (ROM).

06	03	50	56.4&	58.252	N	154.283	W	75				34	ALASKA PENINSULA. <AEIC>.
06	04	02	08.1	42.916	N	18.016	E	10	G		1.4	22	NORTHWESTERN BALKAN REGION
06	04	14	41.7?	21.73	N	121.15	E	20	G	4.1	1.6	7	TAIWAN REGION
06	04	42	03.2*	1.524	N	124.808	E	33	N	4.9	1.2	26	MINAHASSA PENINSULA, SULAWESI
06	05	11	59.1	42.850	N	17.910	E	10	G		1.3	41	ADRIATIC SEA. ML 3.5 (LJU).
06	05	28	20.2*	21.687	N	121.319	E	20	G	4.0	1.0	8	TAIWAN REGION
06	05	51	17.9?	2.37	N	127.92	E	33	N	4.2	1.0	6	NORTHERN MOLUCCA SEA
06	06	00	13.1	5.477	S	147.986	E	250	G	4.7	0.8	24	EASTERN NEW GUINEA REG., P.N.G.
06	06	03	50.3&	45.488	N	26.553	E	100	G		0.8	7	ROMANIA
06	06	07	13.8	21.680	N	121.279	E	20	G	4.5	0.9	31	TAIWAN REGION
06	06	17	35.3?	31.67	S	58.12	E	10	G	4.2	0.6	4	SOUTHWEST INDIAN RIDGE
06	06	17	51.3	21.683	N	121.386	E	20	G	4.6 4.4	1.2	33	TAIWAN REGION
06	06	48	10.5*	21.670	N	121.346	E	20	G	4.3	0.8	8	TAIWAN REGION
06	06	55	24.5*	21.590	N	121.329	E	20	G	4.3	0.9	13	TAIWAN REGION
06	07	27	11.3	21.681	N	121.358	E	20	G	4.7	1.4	22	TAIWAN REGION
06	07	41	13.7&	44.256	N	7.436	E	10	G		0.7	6	NORTHERN ITALY. ML 2.1 (GEN).
06	07	56	58.4*	21.726	N	121.463	E	20	G	4.5	1.2	15	TAIWAN REGION
06	08	00	04.7	42.906	N	17.857	E	10	G		1.2	61	ADRIATIC SEA. ML 3.7 (ROM).
06	08	03	45.9?	23.79	S	179.88	E	500	G	4.4	0.9	10	SOUTH OF FIJI ISLANDS
06	08	06	41.0	50.659	N	157.104	E	33	N	4.8	0.8	80	KURIL ISLANDS. Felt (III) at Severo-Kurilsk.
06	08	14	20.2*	6.698	S	147.414	E	33	N	4.3	0.8	7	EASTERN NEW GUINEA REG., P.N.G.
06	08	23	12.8?	21.94	N	121.19	E	20	G	4.0	1.4	5	TAIWAN REGION
06	08	24	36.8	21.511	N	121.473	E	20	G	4.9	1.3	42	TAIWAN REGION
06	08	54	15.8	5.102	S	153.979	E	400	G	4.7	0.9	40	NEW IRELAND REGION, P.N.G.
06	09	18	20.0	0.402	N	120.403	E	33	N	4.9	1.1	59	MINAHASSA PENINSULA, SULAWESI
06	09	50	33.3&	44.259	N	7.457	E	10	G		0.4	8	NORTHERN ITALY. ML 2.3 (GEN).
06	10	13	25.9*	35.905	N	140.087	E	33	N		0.6	6	NEAR EAST COAST OF HONSHU, JAPAN
06	10	57	10.1&	33.070	S	70.426	W	100	G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
06	11	10	48.4	42.833	N	17.915	E	10	G	4.4	1.3	58	ADRIATIC SEA
06	11	14	09.9&	44.250	N	8.518	E	10	G		0.4	8	NORTHERN ITALY. ML 2.3 (GEN).
06	11	34	31.5	21.586	N	121.440	E	20	G	5.5 4.9	1.0	167	TAIWAN REGION. Mw 5.4 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 11:34:33.3; Lat 21.75 N; Lon 121.38 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.48, Plg=69, Azm=13; (N) Val=-0.20, Plg=18, Azm=160; (P) Val=-1.27, Plg=11, Azm=254; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=5, Dip=38, Slip=120; NP2: Strike=149, Dip=58, Slip=69.
06	11	43	00.3?	21.84	N	121.13	E	20	G	4.0	0.8	7	TAIWAN REGION
06	12	00	13.2?	9.61	S	119.32	E	33	N	4.2	1.4	9	SUMBA REGION, INDONESIA
06	12	13	39.4?	3.01	N	127.00	E	33	N	4.2	1.3	8	TALAUD ISLANDS, INDONESIA
06	12	36	56.2	27.809	N	52.417	E	33	N	4.5	0.8	47	SOUTHERN IRAN
06	12	39	41.4	7.271	S	155.824	E	33	N	5.5 5.8	0.8	208	SOLOMON ISLANDS. Mw 5.9 (HRV), 5.8 (GS). Me 5.6 (GS).
													Broadband Source Parameters (GS): Dep 17; NP1: Strike=150, Dip=55, Slip=75; NP2: Strike=355, Dip=38, Slip=110; Radiated energy 4.8*10**12 Nm.
													Moment Tensor (GS): Dep 19; Principal axes (scale 10**17 Nm): (T) Val=5.31, Plg=60, Azm=64; (N) Val=-0.36, Plg=15, Azm=305; (P) Val=-4.95, Plg=25, Azm=208; Best double couple: Mo=5.1*10**17 Nm; NP1: Strike=267, Dip=24, Slip=49; NP2: Strike=130, Dip=72, Slip=106.
													Centroid, Moment Tensor (HRV): Centroid origin time 12:39:43.3; Lat 7.37 S; Lon 155.84 E; Dep 20.0 Fix; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=6.80, Plg=69, Azm=13; (N) Val=0.08, Plg=8, Azm=123; (P) Val=-6.88, Plg=20, Azm=216; Best double couple: Mo=6.8*10**17 Nm; NP1: Strike=319, Dip=26, Slip=108; NP2: Strike=120, Dip=65, Slip=81.
06	12	54	29.9&	44.388	N	7.391	E	10	G		0.3	7	NORTHERN ITALY. ML 2.0 (GEN).
06	13	10	18.2?	7.82	S	156.50	E	33	N	3.8	0.4	6	SOLOMON ISLANDS
06	13	28	28.0*	21.553	N	121.383	E	20	G	4.4	1.0	15	TAIWAN REGION
06	13	35	49.2*	7.216	S	155.773	E	33	N	4.2	1.0	16	SOLOMON ISLANDS
06	13	46	17.7*	44.599	N	149.262	E	33	N	4.0	0.9	15	KURIL ISLANDS
06	13	47	31.6*	40.005	N	20.712	E	10	G		1.5	16	GREECE-ALBANIA BORDER REGION
06	14	03	15.0?	7.35	S	155.75	E	33	N	4.3	0.6	6	SOLOMON ISLANDS
06	14	37	29.7	21.515	N	121.384	E	20	G	4.6	1.0	28	TAIWAN REGION
06	15	23	02.5*	0.353	N	120.348	E	33	N	4.6	1.3	29	MINAHASSA PENINSULA, SULAWESI
06	15	43	55.1?	24.22	N	122.71	E	33	N		0.9	7	TAIWAN REGION
06	15	44	59.5?	7.27	S	155.40	E	33	N	4.1	0.6	7	SOLOMON ISLANDS
06	15	50	26.4*	51.547	N	16.076	E	10	G		0.4	7	POLAND. ML 2.8 (MOX), 2.7 (CLL).
06	15	59	22.2	51.663	N	16.173	E	10	G		0.5	13	POLAND. ML 2.5 (MOX), 2.3 (CLL).
06	16	04	09.1*	21.801	N	121.496	E	20	G	4.3	1.0	14	TAIWAN REGION
06	17	03	46.8	7.310	S	155.887	E	33	N	5.6 6.1	1.1	198	SOLOMON ISLANDS. Mw 6.2 (HRV), 6.1 (GS). Me 5.7 (GS). Ms 6.0 (BRK).
													Broadband Source Parameters (GS): Dep 18; NP1: Strike=126, Dip=71, Slip=110; NP2: Strike=258, Dip=27, Slip=45; Radiated energy 6.8*10**12 Nm.
													Moment Tensor (GS): Dep 19; Principal axes (scale 10**18 Nm): (T) Val=1.75, Plg=60, Azm=69; (N) Val=0.02, Plg=19, Azm=303; (P) Val=-1.76, Plg=23, Azm=204; Best double couple: Mo=1.8*10**18 Nm; NP1: Strike=262, Dip=28, Slip=46; NP2: Strike=130, Dip=70, Slip=110.
													Centroid, Moment Tensor (HRV): Centroid origin time 17:03:52.0; Lat 7.50 S; Lon 155.84 E; Dep 15.0 Fix; Half-duration 3.3 sec; Principal axes (scale 10**18 Nm): (T) Val=2.53, Plg=71, Azm=11; (N) Val=0.12, Plg=3, Azm=111; (P) Val=-2.65, Plg=19, Azm=202; Best double couple: Mo=2.6*10**18 Nm; NP1: Strike=298, Dip=26, Slip=98; NP2: Strike=109, Dip=64, Slip=86.
													Scalar Moment (PPT): Mo=1.4*10**18 Nm.
06	17	08	55.2?	7.27	S	155.68	E	33	N		1.1	8	SOLOMON ISLANDS
06	17	17	57.8*	7.343	S	155.821	E	33	N	4.8	1.1	42	SOLOMON ISLANDS
06	17	27	26.6?	34.77	S	70.64	W	100	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).

06	17	34	08.0?	21.55	N	121.35	E	20	G	3.9		1.6	5	TAIWAN REGION
06	17	56	07.9?	16.94	S	179.34	W	500	G	4.4		1.4	9	FIJI ISLANDS REGION
06	18	04	40.9*	7.284	S	155.767	E	33	N	4.4		0.7	10	SOLOMON ISLANDS
06	18	22	28.3	42.800	N	17.923	E	10	G			0.4	9	ADRIATIC SEA. ML 3.2 (ROM).
06	18	41	00.9	21.784	N	121.404	E	20	G	5.1		1.0	65	TAIWAN REGION
06	18	53	19.7	0.484	N	120.500	E	33	N	4.8		1.1	34	MINAHASSA PENINSULA, SULAWESI
06	19	09	54.8*	21.958	N	121.635	E	20	G	3.9		1.1	10	TAIWAN REGION
06	19	13	41.8	7.246	S	155.933	E	33	N	5.3	5.0	0.9	83	SOLOMON ISLANDS
06	19	14	55.0?	7.37	S	156.10	E	33	N	4.9		0.6	10	SOLOMON ISLANDS
06	19	39	36.5?	7.28	S	155.76	E	33	N	4.0		0.4	8	SOLOMON ISLANDS
06	19	48	07.0	42.818	N	17.910	E	10	G			1.3	47	ADRIATIC SEA. ML 3.6 (ROM).
06	19	51	42.5?	7.22	S	155.57	E	33	N			0.4	8	SOLOMON ISLANDS
06	20	06	51.9	5.566	S	149.786	E	150	G	5.1		1.0	60	NEW BRITAIN REGION, P.N.G.
06	20	13	44.8	42.842	N	17.883	E	10	G			1.1	13	ADRIATIC SEA
06	20	38	18.3&	25.650	N	124.684	E	33	N			1.2	5	NORTHEAST OF TAIWAN
06	20	42	29.5&	40.395	N	126.408	W	10		4.9	5.1		195	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. Mw 5.5 (HRV). MD 4.5 (GM). ML 4.9 (BRK). Centroid, Moment Tensor (HRV): Centroid origin time 20:42:35.0; Lat 40.42 N; Lon 126.36 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.17, Plg=6, Azm=48; (N) Val=-0.27, Plg=81, Azm=175; (P) Val=-1.90, Plg=8, Azm=318; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=93, Dip=81, Slip=-179; NP2: Strike=3, Dip=89, Slip=-9.
06	21	02	42.8	7.214	S	155.815	E	33	N	4.9	4.6	0.7	31	SOLOMON ISLANDS
06	21	05	48.2	42.861	N	17.970	E	10	G			1.4	19	ADRIATIC SEA. ML 3.3 (ROM).
06	21	15	14.8&	40.479	N	126.185	W	4					62	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.9 (GS).
06	21	30	27.0?	21.86	N	121.62	E	20	G	4.0		1.3	5	TAIWAN REGION
06	22	05	45.2%	33.365	S	70.155	W	120	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
06	23	01	59.1	31.648	S	68.951	W	111		4.9		0.9	69	SAN JUAN PROVINCE, ARGENTINA. MD 4.7 (SAN).
06	23	18	57.5%	40.868	N	2.822	W	10	G			0.5	7	SPAIN. mbLg 2.6 (MDD).
06	23	39	02.3?	31.03	S	69.52	W	140	G			0.5	12	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
06	23	43	08.0?	23.72	N	94.23	E	33	N	4.0		1.2	9	MYANMAR-INDIA BORDER REGION
06	23	48	45.5	7.361	S	155.828	E	33	N	5.3	5.2	0.9	129	SOLOMON ISLANDS. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:48:48.4; Lat 7.52 S; Lon 155.83 E; Dep 18.4; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.53, Plg=70, Azm=342; (N) Val=-0.30, Plg=13, Azm=110; (P) Val=-2.23, Plg=16, Azm=204; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=312, Dip=31, Slip=115; NP2: Strike=103, Dip=62, Slip=75.
06	23	59	22.1	21.801	N	121.294	E	20	G	4.4		1.0	21	TAIWAN REGION
07	00	22	10.2*	21.878	N	121.490	E	20	G	4.4		1.5	18	TAIWAN REGION
07	00	27	53.4	21.813	N	121.469	E	20	G	5.0		1.2	41	TAIWAN REGION
07	01	57	51.7	21.884	N	121.440	E	20	G	4.7		1.2	32	TAIWAN REGION
07	02	29	33.3*	36.610	N	9.687	W	10	G			1.0	43	WEST OF GIBRALTAR. mbLg 3.9 (MDD).
07	02	46	12.9?	2.98	N	126.93	E	33	N	4.0		1.4	11	NORTHERN MOLUCCA SEA
07	02	55	30.3	20.520	S	174.360	W	36	D	5.0	5.0	1.0	91	TONGA ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:55:34.7; Lat 20.92 S; Lon 173.80 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.02, Plg=70, Azm=298; (N) Val=0.20, Plg=0, Azm=207; (P) Val=-1.22, Plg=20, Azm=117; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=206, Dip=25, Slip=89; NP2: Strike=27, Dip=65, Slip=90.
07	03	57	13.9	42.929	N	17.761	E	10	G			1.4	38	ADRIATIC SEA
07	04	05	14.7%	32.936	S	70.292	W	100	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
07	04	09	49.3?	7.23	S	155.39	E	33	N			1.3	6	SOLOMON ISLANDS
07	04	17	56.0	42.870	N	17.762	E	10	G	4.6		1.2	144	ADRIATIC SEA. ML 4.2 (ROM). Felt in the Ston area, Croatia.
07	04	23	11.2?	31.75	S	179.14	W	33	N	4.0		0.5	6	KERMADEC ISLANDS REGION
07	04	25	39.4?	23.55	S	179.70	E	600	G	4.2		0.9	10	SOUTH OF FIJI ISLANDS
07	04	29	55.2	7.240	S	155.660	E	33	N	4.9	4.5	1.0	61	SOLOMON ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:30:04.1; Lat 7.29 S; Lon 155.57 E; Dep 21.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.37, Plg=71, Azm=237; (N) Val=-2.94, Plg=16, Azm=90; (P) Val=-4.43, Plg=10, Azm=357; Best double couple: Mo=5.9*10**16 Nm; NP1: Strike=68, Dip=38, Slip=63; NP2: Strike=281, Dip=57, Slip=110.
07	04	37	18.8	42.850	N	17.791	E	10	G			1.2	54	ADRIATIC SEA. ML 3.8 (ROM).
07	05	17	32.8%	38.198	N	139.377	E	33	N			0.8	5	NEAR WEST COAST OF HONSHU, JAPAN
07	05	20	20.3*	7.322	S	155.978	E	33	N			0.7	13	SOLOMON ISLANDS
07	05	20	23.4*	11.729	S	33.085	E	10	G	4.3		1.3	9	MALAWI
07	05	38	25.8&	59.442	N	153.352	W	116					37	SOUTHERN ALASKA. <AEIC>.
07	05	41	57.7	51.664	N	16.112	E	10	G			1.1	14	POLAND. ML 2.7 (MOX), 2.5 (CLL).
07	05	45	33.8	42.902	N	17.811	E	10	G	4.5		1.3	154	ADRIATIC SEA. ML 4.3 (ROM). Felt in the Ston area, Croatia.
07	05	53	26.3*	9.886	S	119.178	E	33	N	4.6		1.4	12	SUMBA REGION, INDONESIA
07	06	22	30.3*	4.980	S	129.428	E	200	G	4.7		1.1	17	BANDA SEA
07	06	43	49.5&	40.481	N	126.078	W	0					39	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
07	06	58	10.8?	20.58	S	174.30	W	33	N	4.1		0.5	11	TONGA ISLANDS
07	07	19	47.2?	22.07	N	121.94	E	20	G	4.3		0.2	6	TAIWAN REGION
07	07	35	11.6?	56.49	N	161.58	E	33	N			1.4	5	NEAR EAST COAST OF KAMCHATKA
07	08	11	03.5*	8.252	S	121.177	E	33	N	4.5		1.0	13	FLORES REGION, INDONESIA
07	08	15	25.6&	60.550	N	153.082	W	141					53	SOUTHERN ALASKA. <AEIC>.
07	08	15	33.5	21.731	N	121.473	E	20	G	4.7		0.9	20	TAIWAN REGION
07	09	01	49.6*	42.330	N	17.678	E	10	G			0.8	15	ADRIATIC SEA
07	09	06	00.8	7.178	S	155.676	E	10	G	5.4	5.6	1.0	141	SOLOMON ISLANDS. Mw 5.8 (HRV), 5.7 (GS). Moment Tensor (GS): Dep 20; Principal axes (scale 10**17 Nm): (T) Val=3.62, Plg=70, Azm=40; (N) Val=0.51, Plg=1, Azm=132; (P) Val=-4.13, Plg=20, Azm=223; Best double couple: Mo=3.9*10**17 Nm; NP1: Strike=314, Dip=25, Slip=92; NP2: Strike=132, Dip=65, Slip=89.

													Centroid, Moment Tensor (HRV): Centroid origin time 09:06:08.2; Lat 7.45 S; Lon 155.78 E; Dep 17.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.12, Plg=68, Azm=7; (N) Val=-0.25, Plg=8, Azm=116; (P) Val=-5.87, Plg=21, Azm=209; Best double couple: Mo=6.0*10**17 Nm; NP1: Strike=313, Dip=25, Slip=108; NP2: Strike=113, Dip=66, Slip=82.
07	09	11	08.2?	26.85	S	26.82	E	5	G	3.9	1.5	6	REPUBLIC OF SOUTH AFRICA
07	09	14	45.4	7.214	S	155.612	E	33	N		0.9	15	SOLOMON ISLANDS
07	09	20	44.5*	12.271	N	125.466	E	33	N	4.9	1.0	27	SAMAR, PHILIPPINE ISLANDS
07	09	55	56.2*	16.250	N	97.882	W	33	N	4.4	1.0	30	OAXACA, MEXICO
07	10	04	12.2?	7.26	S	155.64	E	33	N	4.0	1.3	8	SOLOMON ISLANDS
07	10	30	26.2	42.850	N	17.767	E	10	G		1.2	54	ADRIATIC SEA. MD 3.6 (ROM).
07	10	31	58.4	32.653	S	178.530	W	33	N	5.0 5.2	1.1	48	SOUTH OF KERMADEC ISLANDS. Mw 5.5 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 10:32:09.0; Lat 31.85 S; Lon 178.58 W; Dep 35.4; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.62, Plg=47, Azm=341; (N) Val=0.39, Plg=31, Azm=211; (P) Val=-2.01, Plg=26, Azm=103; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=146, Dip=34, Slip=22; NP2: Strike=38, Dip=78, Slip=122.
07	10	32	28.6*	19.094	N	144.598	E	33	N	4.3	1.3	16	MARIANA ISLANDS
07	10	41	12.9?	32.30	S	178.86	W	33	N	4.3	0.8	10	SOUTH OF KERMADEC ISLANDS
07	10	44	07.7?	10.86	N	61.78	W	33	N		0.2	4	TRINIDAD. MD 3.0 (TRN).
07	10	49	13.5	3.025	N	126.964	E	33	N	4.9	1.2	36	TALAUD ISLANDS, INDONESIA
07	10	49	48.7?	33.21	S	178.79	W	33	N		1.2	8	SOUTH OF KERMADEC ISLANDS
07	10	56	53.4?	2.99	N	127.19	E	33	N	4.2	0.9	9	NORTHERN MOLUCCA SEA
07	11	03	55.7?	2.98	N	127.23	E	33	N		0.6	5	NORTHERN MOLUCCA SEA
07	11	23	31.6	32.551	S	178.475	W	33	N	4.9	1.3	23	SOUTH OF KERMADEC ISLANDS
07	11	27	33.0*	7.245	S	155.653	E	33	N	4.5	0.9	25	SOLOMON ISLANDS
07	12	05	41.3*	21.792	N	121.246	E	20	G	4.2	1.3	8	TAIWAN REGION
07	12	13	29.2&	61.092	N	151.055	W	51				52	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
07	12	28	57.1?	32.55	S	178.61	W	33	N	4.6 4.8	1.0	14	SOUTH OF KERMADEC ISLANDS
07	12	57	09.8	11.429	N	140.417	E	33	N	4.6	1.1	17	WESTERN CAROLINE ISLANDS
07	13	25	03.0*	6.362	S	148.010	E	33	N	4.1	1.2	12	NEW BRITAIN REGION, P.N.G.
07	13	48	20.6	3.007	N	126.988	E	33	N	5.0	1.0	43	TALAUD ISLANDS, INDONESIA
07	13	50	20.2?	7.30	S	155.63	E	33	N	4.5	0.6	6	SOLOMON ISLANDS
07	14	07	23.0?	2.83	N	126.74	E	33	N	3.7	1.2	8	NORTHERN MOLUCCA SEA
07	14	21	21.0?	32.58	S	178.95	W	33	N	4.2	0.6	10	SOUTH OF KERMADEC ISLANDS
07	14	30	00.7&	33.688	S	70.258	W	100	G		0.1	10	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
07	15	18	17.7?	25.20	N	94.82	E	100	G		0.5	10	MYANMAR-INDIA BORDER REGION
07	16	16	16.3*	11.228	N	140.770	E	33	N	4.2	1.1	11	WESTERN CAROLINE ISLANDS
07	17	05	15.3?	31.74	S	67.72	W	200	G		0.5	11	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
07	17	28	11.1	36.529	N	71.455	E	200	G	3.9	0.7	25	AFGHANISTAN-TAJIKISTAN BORD REG.
07	17	43	36.7*	21.713	N	121.225	E	20	G	3.9	1.2	13	TAIWAN REGION
07	17	45	32.7?	9.49	N	83.66	W	33	N	4.5	1.4	12	COSTA RICA
07	18	05	46.3*	22.610	S	66.510	W	250	G	4.3	1.1	16	JUJUY PROVINCE, ARGENTINA
07	18	29	09.6*	41.884	N	19.169	E	10	G		1.2	10	ALBANIA
07	18	42	22.1	42.893	N	17.851	E	10	G	4.3	1.3	37	ADRIATIC SEA
07	18	47	15.4	21.767	N	121.103	E	20	G	4.6	1.2	25	TAIWAN REGION
07	19	01	24.3	51.687	N	16.213	E	10	G		1.0	14	POLAND. ML 2.5 (MOX), 2.3 (CLL).
07	19	07	43.0?	11.04	N	127.09	E	33	N	4.2	1.1	14	PHILIPPINE ISLANDS REGION
07	19	19	01.3*	42.476	N	17.952	E	10	G		0.9	12	ADRIATIC SEA
07	19	34	40.3?	14.21	N	90.24	W	33	N	4.1	0.7	6	GUATEMALA
07	20	01	13.0?	9.70	S	160.49	E	100	G	3.8	1.4	12	SOLOMON ISLANDS
07	20	02	40.8*	21.750	N	121.319	E	20	G	4.5	1.1	26	TAIWAN REGION
07	20	56	45.7?	3.65	S	127.07	E	33	N	4.1	1.5	8	SERAM, INDONESIA
07	21	00	06.2*	6.068	S	129.893	E	33	N	4.4	1.3	13	BANDA SEA
07	23	19	17.3&	36.637	N	121.249	W	8				96	CENTRAL CALIFORNIA. <GM-P>. MD 3.7 (GM). ML 3.8 (BRK), 3.8 (GS). Felt at Salinas.
07	23	26	53.5*	0.132	S	67.044	E	10	G	4.1	1.0	14	CARLSBERG RIDGE
07	23	44	09.3?	51.24	N	179.29	W	33	N		0.8	5	ANDREANOF ISLANDS, ALEUTIAN IS.
08	00	04	18.1	42.925	N	17.854	E	10	G	4.1	1.0	28	ADRIATIC SEA
08	00	16	03.9?	48.47	N	155.60	E	33	N	3.8	1.2	11	KURIL ISLANDS
08	00	42	22.3*	7.246	S	155.750	E	33	N	4.1	1.0	13	SOLOMON ISLANDS
08	01	28	19.1*	44.781	N	11.689	E	10	G		0.5	14	NORTHERN ITALY. ML 3.1 (VIE), 2.9 (LDG).
08	01	48	45.6	43.745	N	147.571	E	33	N	5.0 4.6	0.9	103	KURIL ISLANDS. Felt (II) at Yuzhno-Kurilsk.
08	02	23	53.2?	5.61	S	147.18	E	150	G	4.3	1.1	11	EASTERN NEW GUINEA REG., P.N.G.
08	02	26	14.7&	60.254	N	152.403	W	85				19	SOUTHERN ALASKA. <AEIC>.
08	02	27	25.9	2.950	N	126.943	E	33	N	5.1	1.1	44	NORTHERN MOLUCCA SEA
08	02	40	24.6?	53.36	N	160.20	E	33	N	4.2	0.8	11	NEAR EAST COAST OF KAMCHATKA
08	03	26	10.2&	59.196	N	153.214	W	82		2.8		82	SOUTHERN ALASKA. <AEIC>.
08	04	43	49.3&	61.506	N	150.850	W	64				71	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
08	04	48	33.2&	21.775	N	121.733	E	20	G		1.3	7	TAIWAN REGION
08	05	11	15.3	42.925	N	17.780	E	10	G		1.0	38	ADRIATIC SEA. Felt slightly at Ston, Croatia.
08	05	34	38.4	51.554	N	16.220	E	5	G		0.6	12	POLAND. ML 3.0 (MOX).
08	05	42	39.0*	6.566	N	75.982	W	33	N	4.1	1.0	11	NORTHERN COLOMBIA
08	06	56	23.8?	7.36	S	155.59	E	33	N	4.0	1.2	15	SOLOMON ISLANDS
08	07	04	41.5*	42.600	N	17.892	E	10	G		0.8	20	ADRIATIC SEA
08	08	08	13.4	15.573	S	73.049	W	98	D	5.4	1.0	207	SOUTHERN PERU. Mw 5.6 (GS), 5.6 (HRV). Felt (IV) at Mollendo and (III) at Arequipa and Camana.
													Moment Tensor (GS): Dep 103; Principal axes (scale 10**17 Nm): (T) Val=3.91, Plg=9, Azm=74; (N) Val=-1.49, Plg=0, Azm=344; (P) Val=-2.42, Plg=81, Azm=254; Best double couple: Mo=3.2*10**17 Nm; NP1: Strike=164, Dip=36, Slip=-90; NP2: Strike=344, Dip=54, Slip=-90.
													Centroid, Moment Tensor (HRV): Centroid origin time 08:08:18.6; Lat 15.74 S; Lon 73.18 W; Dep 121.6; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.91, Plg=11, Azm=74; (N) Val=0.33, Plg=7, Azm=165; (P) Val=-3.24, Plg=77, Azm=288; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=155, Dip=35, Slip=-103; NP2: Strike=350, Dip=56, Slip=-81.

08	08	12	44.3	2.857	N	127.254	E	33	N	5.7	5.1	1.0	107	NORTHERN MOLUCCA SEA. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:12:49.5; Lat 2.86 N Fix; Lon 127.25 E Fix; Dep 33.0 Fix; Half-duration 2.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.63, Plg=45, Azm=210; (N) Val=0.79, Plg=16, Azm=317; (P) Val=-3.42, Plg=41, Azm=62; Best double couple: Mo=3.0*10**17 Nm; NP1: Strike=219, Dip=17, Slip=172; NP2: Strike=317, Dip=88, Slip=74.
08	09	32	53.2	42.864	N	17.682	E	10	G	4.2		1.1	85	ADRIATIC SEA. ML 3.9 (ROM).
08	09	33	25.4?	15.55	S	177.76	W	400	G	4.0		1.2	16	FIJI ISLANDS REGION
08	10	00	16.7?	2.35	S	128.33	E	33	N	4.2		1.4	9	CERAM SEA
08	10	47	16.4*	34.013	N	72.420	E	33	N			0.9	9	PAKISTAN
08	10	56	02.3*	51.305	N	176.066	W	33	N	4.2		1.0	15	ANDREANOF ISLANDS, ALEUTIAN IS.
08	11	01	50.9*	57.344	S	147.396	W	10	G	4.5		0.7	9	PACIFIC-ANTARCTIC RIDGE
08	11	07	17.9	51.676	N	176.270	W	60		4.9		0.9	132	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:07:18.2; Lat 51.63 N; Lon 176.56 W; Dep 38.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.02, Plg=31, Azm=278; (N) Val=2.01, Plg=40, Azm=39; (P) Val=-6.03, Plg=34, Azm=164; Best double couple: Mo=5.0*10**16 Nm; NP1: Strike=312, Dip=40, Slip=-177; NP2: Strike=221, Dip=88, Slip=-50.
08	11	34	58.5	19.610	S	179.296	W	678	D	4.8		0.8	146	FIJI ISLANDS REGION
08	11	37	46.6*	19.520	S	179.141	W	600	G	3.7		1.2	15	FIJI ISLANDS REGION
08	11	42	51.8	19.718	S	179.097	W	600	G	4.9		1.3	161	FIJI ISLANDS REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:43:04.0; Lat 19.72 S Fix; Lon 179.10 W Fix; Dep 684.4 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.74, Plg=68, Azm=166; (N) Val=0.01, Plg=8, Azm=56; (P) Val=-2.75, Plg=20, Azm=323; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=39, Dip=26, Slip=72; NP2: Strike=239, Dip=65, Slip=99.
08	12	20	19.0*	22.168	S	67.076	W	193	*	4.1		0.9	22	CHILE-BOLIVIA BORDER REGION
08	12	53	49.3&	60.754	N	146.425	W	23					52	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
08	13	00	00.1*	13.025	N	143.719	E	148	*	4.3		0.9	26	SOUTH OF MARIANA ISLANDS
08	13	23	57.2?	17.35	S	179.10	W	600	G	4.3		0.8	11	FIJI ISLANDS REGION
08	13	29	40.3?	7.33	N	75.56	W	33	N	4.0		1.0	9	NORTHERN COLOMBIA
08	13	42	09.5*	2.942	S	127.646	E	33	N	4.4		1.1	13	CERAM SEA
08	14	04	43.2*	42.819	N	17.838	E	10	G			0.8	12	ADRIATIC SEA
08	15	17	10.2&	59.978	N	152.349	W	83					103	SOUTHERN ALASKA. <AEIC>.
08	15	44	13.4?	12.31	N	126.12	E	33	N	4.2		1.3	12	PHILIPPINE ISLANDS REGION
08	15	47	50.7*	19.970	S	70.509	W	33	N	4.4		1.3	17	NEAR COAST OF NORTHERN CHILE
08	16	54	15.3*	23.337	S	179.910	E	600	G	4.2		0.7	20	SOUTH OF FIJI ISLANDS
08	17	29	33.5*	44.460	N	148.027	E	33	N			1.1	8	KURIL ISLANDS
08	17	31	31.0	24.831	N	96.389	E	33	N	4.6		1.0	49	MYANMAR
08	17	36	06.7	9.467	N	122.932	E	33	N	4.7		1.2	25	NEGROS, PHILIPPINE ISLANDS
08	18	15	16.1&	59.979	N	153.004	W	116					48	SOUTHERN ALASKA. <AEIC>.
08	19	03	39.9&	45.917	N	6.200	E	10	G			0.6	5	FRANCE. ML 1.8 (LDG).
08	19	32	24.4	21.719	N	121.328	E	20	G	4.8		1.2	39	TAIWAN REGION
08	19	34	23.3*	42.780	N	17.831	E	10	G			1.3	27	ADRIATIC SEA
08	19	53	28.1*	43.671	N	138.706	E	268	*			0.6	14	EASTERN SEA OF JAPAN
08	20	05	58.0	42.829	N	17.863	E	10	G			1.2	36	ADRIATIC SEA. ML 3.3 (ROM).
08	20	13	51.7	21.841	N	121.452	E	20	G	4.8	4.5	1.2	49	TAIWAN REGION
08	21	38	47.4*	42.841	N	17.878	E	10	G			0.8	11	ADRIATIC SEA. ML 3.0 (ROM).
08	22	34	32.2?	24.02	S	179.56	E	600	G	3.9		0.8	12	SOUTH OF FIJI ISLANDS
08	22	40	30.2&	35.099	N	117.494	W	6					32	CENTRAL CALIFORNIA. <PAS-P>. MD 3.1 (PAS). ML 3.0 (GS).
08	22	42	35.0?	52.95	S	27.25	E	10	G	4.5		0.6	6	SOUTH OF AFRICA
08	23	11	34.9	55.652	N	162.439	E	33	N	4.6		0.9	23	NEAR EAST COAST OF KAMCHATKA
09	00	09	53.0&	32.808	N	130.647	E	10	G			0.9	6	KYUSHU, JAPAN
09	00	18	14.7	42.986	N	17.246	E	10	G			0.8	12	ADRIATIC SEA
09	00	20	39.1	31.900	S	71.560	W	39	G	6.0	5.5	0.9	352	NEAR COAST OF CENTRAL CHILE. Mw 6.0 (GS), 6.0 (HRV). Me 6.1 (GS). Ms 5.4 (BRK). Some adobe houses damaged in the epicentral area. Felt (V) at La Calera, La Ligua, Los Andes, Los Vilos, Papudo, Quillota, Quintero, Valparaiso, Vina del Mar and Zapallar; (IV) at San Antonio and Santiago; (III) at La Serena. Felt (III) at Mendoza and San Juan, Argentina. Also felt (II) by people in high-rise buildings at Cordoba, Argentina. Broadband Source Parameters (GS): Dep 40; NP1: Strike=351, Dip=52, Slip=63; NP2: Strike=211, Dip=45, Slip=120; Radiated energy 3.1*10**13 Nm. Moment Tensor (GS): Dep 42; Principal axes (scale 10**18 Nm): (T) Val=1.09, Plg=69, Azm=175; (N) Val=0.07, Plg=20, Azm=6; (P) Val=-1.15, Plg=3, Azm=274; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=344, Dip=45, Slip=61; NP2: Strike=203, Dip=52, Slip=116. Centroid, Moment Tensor (HRV): Centroid origin time 00:20:45.2; Lat 32.06 S; Lon 71.94 W; Dep 49.0 Fix; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=0.92, Plg=66, Azm=156; (N) Val=0.11, Plg=21, Azm=2; (P) Val=-1.03, Plg=10, Azm=268; Best double couple: Mo=9.7*10**17 Nm; NP1: Strike=334, Dip=40, Slip=55; NP2: Strike=196, Dip=58, Slip=116. Scalar Moment (PPT): Mo=1.1*10**18 Nm.
09	01	14	19.6&	42.876	N	18.088	E	10	G			0.6	25	NORTHWESTERN BALKAN REGION. ML 3.9 (ROM).
09	01	17	26.3?	8.57	S	120.98	E	100	G	3.7		1.2	5	FLORES REGION, INDONESIA
09	01	19	09.2	16.239	S	72.667	W	85	D	4.8		0.9	48	NEAR COAST OF PERU. Felt (IV) at Camana; (III) at Aplao, Arequipa and Mollendo; (II) at Atico.
09	01	52	42.7*	24.216	N	121.955	E	33	N	4.1		1.5	11	TAIWAN
09	02	41	56.9*	49.220	N	154.262	E	100	G			0.8	12	KURIL ISLANDS
09	02	45	47.2*	42.975	N	17.397	E	10	G			0.2	6	ADRIATIC SEA
09	03	06	52.6*	21.563	N	121.547	E	33	N	3.9		0.8	12	TAIWAN REGION
09	03	21	47.2	35.402	S	104.642	W	10	G	5.0	5.1	1.0	58	SOUTHERN PACIFIC OCEAN. Mw 5.8 (HRV).

														Centroid, Moment Tensor (HRV): Centroid origin time 03:21:53.2; Lat 35.56 S; Lon 104.50 W; Dep 15.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=5.99, Plg=6, Azm=52; (N) Val=-0.15, Plg=77, Azm=169; (P) Val=-5.84, Plg=11, Azm=321; Best double couple: Mo=5.9*10**17 Nm; NP1: Strike=97, Dip=78, Slip=-176; NP2: Strike=6, Dip=86, Slip=-12.
09	03	22	36.1*	24.767	S	179.878	E	501	D	4.5		0.9	23	SOUTH OF FIJI ISLANDS
09	04	11	42.0	42.864	N	17.692	E	10	G			1.3	31	ADRIATIC SEA. ML 3.3 (ROM).
09	04	29	13.0	45.132	N	6.508	E	10	G			0.3	9	FRANCE. ML 2.1 (GEN), 2.0 (LDG).
09	04	34	20.5	30.434	N	130.726	E	33	N	5.5	5.2	1.1	220	KYUSHU, JAPAN. Mw 5.7 (HRV). Slight damage on Tanega-shima. Felt (IV JMA) at Sumiyoshi, Tanega-shima and (III JMA) on Kuchinoerabu-jima and Yaku-shima. Felt (II JMA) at Kagoshima, Miyakonojo and Miyazaki, Kyushu. Centroid, Moment Tensor (HRV): Centroid origin time 04:34:21.7; Lat 30.52 N; Lon 130.81 E; Dep 25.5; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=3.55, Plg=2, Azm=227; (N) Val=1.92, Plg=13, Azm=137; (P) Val=-5.47, Plg=76, Azm=325; Best double couple: Mo=4.5*10**17 Nm; NP1: Strike=331, Dip=45, Slip=-71; NP2: Strike=125, Dip=48, Slip=-108.
09	04	40	07.8?	31.61	S	179.31	E	500	G			1.0	11	KERMADEC ISLANDS REGION
09	06	05	14.4?	40.61	N	35.66	E	10	G	4.2		1.0	7	TURKEY. Felt in Amasya and Corum.
09	07	02	16.3	44.310	N	6.440	E	10	G			0.3	22	FRANCE. ML 2.4 (GEN), 2.3 (LDG).
09	07	13	04.2?	3.24	S	139.21	E	33	N	3.9		1.2	7	IRIAN JAYA, INDONESIA
09	07	33	57.3*	49.666	S	127.291	E	10	G	4.2		1.2	20	SOUTH OF AUSTRALIA
09	08	04	47.8	42.828	N	17.808	E	10	G	4.5		1.4	64	ADRIATIC SEA
09	08	06	35.2*	3.388	S	101.065	E	33	N	4.6		1.1	26	SOUTHERN SUMATERA, INDONESIA
09	08	13	23.6%	44.482	N	6.864	E	10	G			0.4	6	FRANCE. ML 2.3 (GEN).
09	09	32	11.3	21.217	S	179.167	W	625	D	5.0		1.0	93	FIJI ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:32:18.8; Lat 21.27 S; Lon 179.30 W; Dep 622.2; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.36, Plg=55, Azm=144; (N) Val=-0.11, Plg=0, Azm=54; (P) Val=-1.25, Plg=35, Azm=324; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=52, Dip=10, Slip=88; NP2: Strike=234, Dip=80, Slip=90.
09	09	32	29.1	42.657	N	17.625	E	10	G			0.9	12	ADRIATIC SEA. MG 3.5 (SKO).
09	10	24	11.6?	5.21	S	152.83	E	33	N	4.0		1.8	8	NEW BRITAIN REGION, P.N.G.
09	10	33	58.5*	2.291	N	126.618	E	33	N	4.4		1.1	15	NORTHERN MOLUCCA SEA
09	10	41	43.6%	36.632	N	139.452	E	10	G			0.7	5	EASTERN HONSHU, JAPAN
09	11	23	14.4?	2.10	S	119.56	E	33	N	4.2		1.3	16	SULAWESI, INDONESIA
09	11	51	26.8	42.716	N	17.272	E	10	G			0.9	10	ADRIATIC SEA
09	12	05	52.2%	38.597	N	6.951	W	10	G			0.4	5	SPAIN. mbLg 2.9 (MDD).
09	12	23	03.2	43.650	N	147.255	E	45	*	4.9		0.9	70	KURIL ISLANDS. Felt (II) on Shikotan.
09	13	55	53.1?	22.19	S	169.97	E	100	G	4.2		1.5	11	LOYALTY ISLANDS REGION
09	14	02	18.8%	44.360	N	7.330	E	10	G			0.4	8	NORTHERN ITALY. ML 2.1 (GEN).
09	14	24	50.6&	60.021	N	153.108	W	0					67	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
09	14	46	59.8&	60.481	N	150.982	W	40					59	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
09	15	38	21.8	12.557	N	88.194	W	52	D	4.8		1.1	86	OFF COAST OF CENTRAL AMERICA. Felt (III) at San Salvador, El Salvador.
09	15	57	05.1	42.774	N	17.873	E	10	G	4.8	5.0	1.2	150	ADRIATIC SEA. Mw 5.3 (HRV). ML 5.2 (VIE), 4.8 (ROM). Felt (V) at Herceg-Novi, Kotor and Tivat, Yugoslavia. Centroid, Moment Tensor (HRV): Centroid origin time 15:57:08.7; Lat 43.03 N; Lon 17.55 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.01, Plg=55, Azm=72; (N) Val=0.20, Plg=7, Azm=332; (P) Val=-1.21, Plg=34, Azm=238; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=301, Dip=13, Slip=58; NP2: Strike=154, Dip=79, Slip=97.
09	16	21	07.6*	42.571	N	17.344	E	10	G			0.7	7	ADRIATIC SEA
09	16	56	05.9*	42.886	N	17.616	E	10	G			1.5	18	ADRIATIC SEA
09	17	53	00.5	42.795	N	17.910	E	10	G			1.2	44	ADRIATIC SEA. ML 4.1 (VIE).
09	18	19	47.2*	35.544	S	110.812	W	10	G	4.8	5.0	0.8	26	SOUTHERN EAST PACIFIC RISE
09	18	35	42.7	23.252	N	143.697	E	33	N	4.5		0.9	32	VOLCANO ISLANDS REGION
09	18	42	20.2	42.716	N	17.707	E	10	G			1.0	13	ADRIATIC SEA
09	18	44	18.1*	9.997	N	93.769	E	33	N	4.4		1.2	6	NICOBAR ISLANDS, INDIA
09	18	44	54.9	42.846	N	17.751	E	10	G			1.4	22	ADRIATIC SEA. ML 3.3 (ROM).
09	18	49	34.5	37.601	N	20.433	E	33	N	4.4		1.1	37	IONIAN SEA
09	18	52	56.6	60.667	N	42.926	W	10	G	4.5		0.8	35	WESTERN GREENLAND
09	19	02	44.8	42.966	N	17.797	E	10	G			1.2	22	ADRIATIC SEA. ML 3.1 (ROM).
09	19	11	00.8*	23.145	N	143.712	E	33	N	3.7		0.3	9	VOLCANO ISLANDS REGION
09	20	04	43.2?	2.05	N	128.09	E	33	N	3.8		0.6	7	HALMAHERA, INDONESIA
09	20	57	30.3?	8.26	S	79.97	W	33	N			0.6	10	NEAR COAST OF NORTHERN PERU
09	22	03	12.4*	36.954	N	69.981	E	85	?	4.6		1.2	13	HINDU KUSH REGION, AFGHANISTAN
09	22	28	10.0*	49.230	N	128.636	W	10	G	4.0		1.2	12	VANCOUVER ISLAND REGION
09	23	32	27.9*	2.939	N	126.593	E	33	N			0.9	11	NORTHERN MOLUCCA SEA
10	00	20	47.0	8.514	N	126.159	E	33	N	4.8		1.1	39	MINDANAO, PHILIPPINE ISLANDS
10	00	55	49.5%	14.067	N	56.777	E	10	G			0.9	8	ARABIAN SEA
10	01	15	57.4*	40.390	N	22.715	E	10	G			0.3	7	GREECE
10	01	35	54.2%	37.748	N	139.026	E	10	G			1.3	5	EASTERN HONSHU, JAPAN
10	02	02	37.9*	46.684	N	12.068	E	10	G			0.1	6	NORTHERN ITALY. ML 2.2 (VIE).
10	02	06	03.2*	7.650	S	126.625	E	190	*	4.8		0.6	13	BANDA SEA
10	02	26	50.3	4.481	N	76.576	W	111		4.4		1.0	25	COLOMBIA
10	02	34	15.9	1.028	N	120.098	E	33	N	5.4	5.2	1.1	94	MINAHASSA PENINSULA, SULAWESI. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:34:22.3; Lat 1.43 N; Lon 120.32 E; Dep 18.0 Fix; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=6.03, Plg=60, Azm=177; (N) Val=-0.16, Plg=7, Azm=75; (P) Val=-5.87, Plg=29, Azm=341; Best double couple: Mo=5.9*10**17 Nm; NP1: Strike=52, Dip=17, Slip=66; NP2: Strike=257, Dip=74, Slip=97.
10	04	25	37.4	30.177	S	179.642	W	416		4.4		0.9	48	KERMADEC ISLANDS REGION

10	04	55	30.3*	0.298	N	121.710	E	100	G	4.4	0.8	12	MINAHASSA PENINSULA, SULAWESI
10	05	09	25.8	45.436	N	16.218	E	10	G	4.2	1.1	130	NORTHWESTERN BALKAN REGION. ML 4.7 (VIE), 4.6 (FUR), 4.3 (LJU), 4.1 (ROM), 4.0 (BRA). Some buildings damaged at Banovina, Croatia. Felt (VII) at Petrinja and Sisak; (VI) at Zagreb, Croatia. Felt at Bjelovar, Koprivnica, Krizevci and as far as Dubrovnik, Croatia. Also felt in Slovenia.
10	05	39	09.2?	35.87	N	140.78	E	10	G		0.1	5	NEAR EAST COAST OF HONSHU, JAPAN
10	05	42	37.9*	13.880	S	75.573	W	100	G	3.8	0.8	11	CENTRAL PERU
10	06	20	53.2	1.119	N	120.208	E	33	N	5.3 4.7	1.0	69	MINAHASSA PENINSULA, SULAWESI. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:20:59.2; Lat 1.75 N; Lon 120.58 E; Dep 33.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=8.97, Plg=65, Azm=199; (N) Val=-3.56, Plg=3, Azm=103; (P) Val=-5.42, Plg=25, Azm=11; Best double couple: Mo=7.2*10**16 Nm; NP1: Strike=95, Dip=21, Slip=82; NP2: Strike=284, Dip=70, Slip=93.
10	07	15	06.7&	35.100	N	117.493	W	6				9	CENTRAL CALIFORNIA. <PAS-P>. MD 2.9 (PAS). ML 2.9 (GS).
10	07	43	15.8?	43.94	N	147.21	E	75	?	3.7	1.1	11	KURIL ISLANDS
10	07	48	40.9*	20.658	S	178.666	W	600	G	4.6	1.0	29	FIJI ISLANDS REGION
10	08	34	55.0*	3.022	N	127.133	E	33	N	4.5	1.1	15	TALAUD ISLANDS, INDONESIA
10	08	52	59.1	2.942	N	127.132	E	33	N	4.7	0.9	26	NORTHERN MOLUCCA SEA
10	09	04	48.6	43.005	N	0.147	W	10	G		0.7	16	PYRENEES. ML 3.2 (LDG), 2.6 (STR). mbLg 3.0 (MDD).
10	09	13	38.0*	30.854	N	94.502	E	33	N	4.2	1.3	10	XIZANG
10	09	29	37.0*	2.838	N	127.265	E	33	N	4.1	1.2	14	NORTHERN MOLUCCA SEA
10	09	31	39.9?	2.70	N	127.03	E	33	N	4.3	1.0	11	NORTHERN MOLUCCA SEA
10	10	10	20.3*	7.145	S	155.630	E	62	?	4.6	1.1	38	SOLOMON ISLANDS
10	10	12	15.7?	60.53	S	25.52	W	33	N		1.0	5	SOUTH SANDWICH ISLANDS REGION
10	11	04	12.1&	58.442	N	154.419	W	0				43	ALASKA PENINSULA. <AEIC>. ML 3.2 (AEIC).
10	11	18	17.0*	57.838	S	25.494	W	33	N		0.7	12	SOUTH SANDWICH ISLANDS REGION
10	11	33	56.2*	21.642	N	121.885	E	60	*	3.8	1.7	13	TAIWAN REGION
10	12	17	24.7?	35.15	S	70.18	W	150	G		0.3	8	CHILE-ARGENTINA BORDER REGION
10	12	40	38.0	4.785	N	125.593	E	144		5.1	1.3	62	TALAUD ISLANDS, INDONESIA
10	13	23	39.7*	7.493	S	127.703	E	131	?	4.7	0.9	18	BANDA SEA
10	13	31	47.5	37.690	N	138.786	E	201		4.3	0.9	33	NEAR WEST COAST OF HONSHU, JAPAN
10	13	34	23.8%	31.769	S	116.945	E	10	G		0.5	5	WESTERN AUSTRALIA
10	13	55	42.2*	23.645	S	179.556	E	634	?	4.6	0.9	32	SOUTH OF FIJI ISLANDS
10	14	28	40.1%	27.762	N	130.089	E	33	N		0.6	6	RYUKYU ISLANDS
10	14	34	33.7?	4.09	S	151.70	E	33	N	4.3	0.9	11	NEW BRITAIN REGION, P.N.G.
10	14	38	54.5	7.943	S	74.345	W	150	D	4.8	0.9	81	PERU-BRAZIL BORDER REGION
10	15	16	11.1*	0.993	N	120.271	E	33	N	4.6	1.1	20	MINAHASSA PENINSULA, SULAWESI
10	15	59	07.9	42.916	N	17.890	E	10	G		1.2	28	ADRIATIC SEA. ML 3.3 (ROM).
10	16	02	00.0*	13.902	N	144.894	E	143		4.3	1.1	19	MARIANA ISLANDS
10	18	08	04.3&	58.444	N	154.417	W	0				49	ALASKA PENINSULA. <AEIC>. ML 3.3 (AEIC).
10	18	20	43.3&	58.485	N	154.485	W	0				38	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
10	18	54	07.6?	7.48	S	155.88	E	33	N	3.9	0.7	9	SOLOMON ISLANDS
10	19	53	49.5&	60.024	N	153.027	W	109				107	SOUTHERN ALASKA. <AEIC>.
10	20	40	45.4%	33.553	N	135.783	E	33	N		0.4	5	NEAR S. COAST OF WESTERN HONSHU
10	21	32	49.9?	2.76	S	138.47	E	33	N	3.7	1.4	7	IRIAN JAYA, INDONESIA
10	21	43	28.5%	32.820	S	71.266	W	33	N		0.5	9	NEAR COAST OF CENTRAL CHILE
10	22	54	50.3	42.764	N	17.845	E	10	G	4.3	1.1	42	ADRIATIC SEA
10	23	12	26.1&	59.485	N	152.998	W	100				57	SOUTHERN ALASKA. <AEIC>.
10	23	13	56.2%	9.682	N	93.638	E	33	N		1.3	7	NICOBAR ISLANDS, INDIA
10	23	16	36.0%	30.077	N	137.966	E	400	G		0.8	8	SOUTH OF HONSHU, JAPAN
10	23	24	56.0?	15.29	S	172.51	W	33	N	4.3	1.3	9	SAMOA ISLANDS REGION
10	23	28	03.4?	31.44	S	69.81	W	170	G		0.3	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (SAN).
10	23	29	10.6*	5.373	S	147.158	E	194	D	4.8	1.1	26	EASTERN NEW GUINEA REG., P.N.G.
11	00	25	32.0&	35.798	N	117.632	W	5				61	CENTRAL CALIFORNIA. <PAS-P>. MD 3.7 (PAS). ML 3.6 (GS).
11	00	52	01.3	42.853	N	17.699	E	10	G		1.4	96	ADRIATIC SEA. ML 4.4 (VIE), 3.8 (ROM).
11	01	43	02.2&	58.484	N	154.921	W	0				42	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
11	02	26	26.0*	44.446	N	11.364	E	10	G		0.9	15	NORTHERN ITALY. ML 2.5 (LDG).
11	02	37	14.9	35.537	N	140.943	E	55	G	6.1 5.7	0.9	435	NEAR EAST COAST OF HONSHU, JAPAN. Mw 6.2 (HRV), 6.1 (GS). Me 6.1 (GS). Ms 5.6 (BRK). Felt (V JMA) at Sawara; (IV JMA) in northern Chiba Prefecture; (III JMA) at Tokyo, parts of Kanagawa Prefecture and on the Izu Peninsula. Broadband Source Parameters (GS): NP1: Strike=254, Dip=52, Slip=-145; NP2: Strike=141, Dip=63, Slip=-44; Radiated energy 3.7*10**13 Nm. Complex earthquake. Moment Tensor (GS): Dep 35; Principal axes (scale 10**18 Nm): (T) Val=1.45, Plg=22, Azm=205; (N) Val=-0.06, Plg=24, Azm=305; (P) Val=-1.39, Plg=56, Azm=77; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=258, Dip=31, Slip=-142; NP2: Strike=134, Dip=71, Slip=-65. Centroid, Moment Tensor (HRV): Centroid origin time 02:37:16.7; Lat 35.69 N; Lon 141.01 E; Dep 38.0; Half-duration 3.0 sec; Principal axes (scale 10**18 Nm): (T) Val=1.92, Plg=9, Azm=204; (N) Val=0.10, Plg=28, Azm=299; (P) Val=-2.02, Plg=60, Azm=98; Best double couple: Mo=2.0*10**18 Nm; NP1: Strike=265, Dip=43, Slip=-133; NP2: Strike=137, Dip=60, Slip=-57. Scalar Moment (PPT): Mo=1.0*10**18 Nm.
11	02	49	57.9?	46.39	N	148.12	E	33	N		0.9	6	NORTHWEST OF KURIL ISLANDS
11	03	04	49.6*	21.906	N	121.306	E	33	N	4.3	1.2	12	TAIWAN REGION
11	03	36	36.2	51.327	N	11.680	E	10	G	4.9	1.3	200	GERMANY. ML 5.5 (STR), 5.4 (BNS), 5.2 (DBN), 5.2 (VIE), 5.1 (GRF), 5.0 (CLL), 5.0 (LDG). Slight damage at Halle and Zscherben.
11	03	41	26.6	10.017	N	93.824	E	33	N	4.8	1.0	62	ANDAMAN ISLANDS, INDIA
11	03	55	31.2%	34.273	N	131.505	E	10	G		0.4	6	WESTERN HONSHU, JAPAN
11	04	11	06.9%	34.276	N	131.486	E	10	G		0.1	5	WESTERN HONSHU, JAPAN
11	04	33	22.3*	0.301	S	124.201	E	33	N	4.5	1.4	13	SOUTHERN MOLUCCA SEA
11	04	41	21.5?	34.54	S	107.06	W	10	G	4.7	1.4	22	SOUTHERN EAST PACIFIC RISE
11	04	53	12.3*	13.169	N	121.166	E	33	N	4.8	1.3	16	MINDORO, PHILIPPINE ISLANDS
11	05	21	32.5	35.452	N	141.379	E	33	N	4.3	0.5	13	NEAR EAST COAST OF HONSHU, JAPAN
11	05	40	38.1	44.360	N	7.323	E	10	G		0.5	20	NORTHERN ITALY. ML 2.6 (LDG), 2.4 (GEN).

11	06	28	45.6	4.255	N	76.577	W	109	D	5.0		0.9	217	COLOMBIA. Mw 5.3 (HRV). Felt at Cali, Chinchina, Manizales and Pereira. Centroid, Moment Tensor (HRV): Centroid origin time 06:28:51.5; Lat 4.59 N; Lon 76.90 W; Dep 118.2; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.07, Plg=50, Azm=280; (N) Val=0.08, Plg=39, Azm=86; (P) Val=-1.15, Plg=7, Azm=181; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=306, Dip=51, Slip=144; NP2: Strike=61, Dip=63, Slip=45.
11	06	39	55.1*	9.079	S	123.936	E	33	N	4.1		1.4	15	TIMOR REGION, INDONESIA
11	07	17	08.2&	37.597	N	4.621	W	10	G			1.1	9	SPAIN. mbLg 2.9 (MDD).
11	07	49	43.1*	11.889	N	125.691	E	33	N			1.1	7	SAMAR, PHILIPPINE ISLANDS
11	08	16	16.1&	61.717	N	146.616	W	34					59	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
11	08	20	39.8&	36.972	N	71.220	E	150	G			1.0	13	AFGHANISTAN-TAJIKISTAN BORD REG.
11	09	15	07.0*	13.393	N	140.732	E	33	N			1.2	12	WEST OF MARIANA ISLANDS
11	10	04	27.6?	31.22	S	179.64	W	300	G	4.2		1.3	10	KERMADEC ISLANDS REGION
11	10	38	55.6&	63.220	N	150.621	W	128					53	CENTRAL ALASKA. <AEIC>.
11	11	00	28.0*	9.875	S	114.029	E	33	N			0.9	6	SOUTH OF BALI, INDONESIA
11	12	25	39.7*	35.686	N	141.264	E	33	N			0.8	6	NEAR EAST COAST OF HONSHU, JAPAN
11	12	55	54.6*	23.177	S	179.917	W	500	G	4.1		1.1	18	SOUTH OF FIJI ISLANDS
11	13	25	54.0*	20.198	S	174.080	W	33	N	4.7	4.6	1.0	20	TONGA ISLANDS
11	14	11	00.2&	61.631	N	150.005	W	32					75	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
11	14	21	26.9*	7.509	S	128.694	E	150	G	4.1		1.4	15	BANDA SEA
11	15	12	31.1*	13.597	N	120.181	E	97	D	4.1		1.1	16	MINDORO, PHILIPPINE ISLANDS
11	15	52	12.5*	9.947	N	94.073	E	33	N	4.7		1.1	10	NICOBAR ISLANDS, INDIA
11	16	42	52.7*	10.512	S	78.812	W	33	N	4.8		1.0	26	NEAR COAST OF PERU. Slight damage at Huaraz. Felt (III) at Huarmey and (II) at Casma and Paramonga. Also felt in the Huaylas Valley.
11	17	17	13.8&	58.395	N	154.821	W	0					29	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
11	17	49	51.3*	5.282	S	129.981	E	200	G	4.5		1.0	14	BANDA SEA
11	18	31	03.4*	12.267	N	143.772	E	33	N	4.1		0.6	7	SOUTH OF MARIANA ISLANDS
11	18	54	15.9&	36.876	N	4.328	W	33	N			1.0	6	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
11	19	02	47.9*	21.616	N	121.699	E	33	N	4.4		1.4	13	TAIWAN REGION
11	20	06	00.1*	8.936	S	157.872	E	33	N	4.7		1.1	29	SOLOMON ISLANDS
11	20	22	29.8&	34.138	N	117.061	W	8					7	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.8 (PAS).
11	20	39	31.7	42.837	N	17.809	E	10	G			1.5	76	ADRIATIC SEA. ML 4.1 (VIE), 3.6 (ROM).
11	23	07	08.9*	40.796	N	143.064	E	33	N	4.6		1.0	13	OFF EAST COAST OF HONSHU, JAPAN
11	23	14	14.9*	27.454	N	92.616	E	33	N	4.6		1.4	13	EASTERN XIZANG-INDIA BORDER REG.
11	23	41	56.4?	19.16	S	178.22	W	550	G	4.5		1.5	12	FIJI ISLANDS REGION
12	00	48	43.0	31.262	S	73.548	W	33	N	4.6		0.8	29	OFF COAST OF CENTRAL CHILE
12	01	13	11.5*	25.346	S	179.501	E	500	G	4.6		1.0	27	SOUTH OF FIJI ISLANDS
12	01	47	32.4*	3.010	N	126.947	E	10	G	4.6		1.3	18	TALAUD ISLANDS, INDONESIA
12	01	50	36.6?	2.65	N	127.35	E	33	N	4.4		1.2	9	NORTHERN MOLUCCA SEA
12	01	52	10.1*	3.021	N	126.762	E	33	N	4.4		1.1	17	TALAUD ISLANDS, INDONESIA
12	01	53	38.3*	2.978	N	127.103	E	33	N	4.5		0.6	9	NORTHERN MOLUCCA SEA
12	02	16	17.7?	34.54	N	25.07	E	33	N	4.5		1.4	14	CRETE
12	03	17	28.1&	63.490	N	150.938	W	9					47	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
12	03	24	18.5*	44.440	N	147.676	E	33	N			1.2	23	KURIL ISLANDS
12	03	32	29.9	42.868	N	17.795	E	10	G	4.6		1.4	125	ADRIATIC SEA. ML 4.4 (VIE).
12	03	47	39.7?	3.03	N	126.80	E	33	N	4.5		1.4	12	TALAUD ISLANDS, INDONESIA
12	04	13	54.5*	42.323	N	17.482	E	10	G	4.2		1.4	8	ADRIATIC SEA
12	04	18	43.4	42.863	N	17.802	E	10	G			1.5	70	ADRIATIC SEA. ML 3.7 (ROM).
12	04	39	25.4&	34.222	S	70.415	W	100	G			0.3	10	CHILE-ARGENTINA BORDER REGION
12	05	25	31.6&	62.654	N	148.645	W	57					73	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC).
12	05	41	05.3*	19.725	S	177.897	W	550	G	4.5		0.9	21	FIJI ISLANDS REGION
12	06	19	42.9&	60.424	N	147.752	W	12					69	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
12	07	10	08.0*	5.384	N	126.394	E	33	N	4.4		1.1	15	MINDANAO, PHILIPPINE ISLANDS
12	07	29	51.3*	42.766	N	17.589	E	10	G	4.1		1.3	8	ADRIATIC SEA
12	07	59	09.3?	35.94	N	140.29	E	33	N			1.2	6	NEAR EAST COAST OF HONSHU, JAPAN
12	08	16	59.2	55.713	N	161.184	E	33	N	4.6		1.0	52	NEAR EAST COAST OF KAMCHATKA
12	08	46	23.7	44.562	N	6.872	E	10	G			0.6	22	FRANCE. ML 2.5 (LDG), 2.5 (GEN).
12	09	22	02.5&	33.624	S	70.302	W	100	G			0.2	10	CHILE-ARGENTINA BORDER REGION
12	09	22	26.4	6.638	S	155.166	E	40	D	4.6		1.1	34	SOLOMON ISLANDS
12	09	24	33.2?	6.65	S	155.04	E	33	N	4.4		1.3	9	SOLOMON ISLANDS
12	09	37	30.4	10.152	S	161.312	E	33	N	4.7		1.0	29	SOLOMON ISLANDS
12	09	52	29.6&	34.630	N	116.665	W	6					29	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.8 (PAS). ML 3.0 (GS).
12	10	16	42.1&	39.124	N	4.959	W	10	G			0.4	5	SPAIN. mbLg 2.6 (MDD).
12	11	15	15.0&	36.283	N	120.461	W	10					62	CENTRAL CALIFORNIA. <GM-P>. MD 3.3 (GM), 3.2 (PAS). ML 3.3 (BRK), 3.3 (GS).
12	11	32	46.6	42.880	N	17.895	E	10	G			1.4	41	ADRIATIC SEA. ML 3.8 (VIE), 3.4 (ROM).
12	13	20	58.3*	44.342	N	12.172	E	10	G			1.4	26	NORTHERN ITALY. ML 3.2 (LDG), 3.0 (VIE).
12	14	07	26.7&	32.882	S	70.753	W	65	G			0.3	6	CHILE-ARGENTINA BORDER REGION
12	14	14	03.4*	10.452	S	120.408	E	33	N	4.1		1.5	18	SUMBA REGION, INDONESIA
12	14	17	42.2&	63.533	N	150.717	W	15					51	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
12	14	39	29.7*	21.606	N	121.506	E	33	N	4.3		0.9	15	TAIWAN REGION
12	16	50	25.1&	33.181	N	115.606	W	4					7	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.8 (PAS).
12	18	04	47.7	27.007	N	92.492	E	49	D	4.6		0.8	52	EASTERN XIZANG-INDIA BORDER REG.
12	18	46	58.2	42.922	N	17.869	E	10	G			1.4	80	ADRIATIC SEA. ML 4.3 (VIE), 3.8 (ROM).
12	19	06	27.2	51.510	N	16.591	E	10	G			1.0	11	POLAND. ML 2.5 (MOX).
12	19	14	40.9*	6.380	S	129.904	E	33	N	4.4		1.4	12	BANDA SEA
12	21	13	13.1	14.113	S	167.182	E	200	G	5.0		1.3	121	VANUATU ISLANDS
12	21	18	11.8*	6.746	S	111.393	E	33	N	4.5		0.8	12	JAWA, INDONESIA
12	21	18	18.3&	33.906	N	117.145	W	14					46	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.8 (PAS). ML 3.6 (GS). Felt from Riverside to Palm Desert.
12	21	56	28.2*	21.938	N	121.595	E	33	N	4.0		1.3	11	TAIWAN REGION
12	22	13	50.8&	33.739	S	70.174	W	10	G			0.6	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
12	22	20	31.8?	56.17	S	147.37	E	10	G	4.5		1.2	12	WEST OF MACQUARIE ISLAND
12	22	57	24.3&	61.750	N	151.625	W	81					80	SOUTHERN ALASKA. <AEIC>.
13	00	09	51.6	38.255	N	141.971	E	48	D	4.8		1.1	69	NEAR EAST COAST OF HONSHU, JAPAN
13	00	17	45.9*	43.174	N	18.038	E	10	G	3.7		1.3	9	NORTHWESTERN BALKAN REGION
13	00	22	30.9*	5.519	S	154.461	E	200	G	5.2		1.5	22	SOLOMON ISLANDS
13	00	56	49.7	6.709	S	129.726	E	150	G	4.9		1.1	26	BANDA SEA
13	01	16	45.6*	54.131	N	163.288	W	33	N	4.3		1.1	22	UNIMAK ISLAND REGION

13 01 44 43.9? 51.37 N 178.89 W 33 N 0.7 7 ANDREANOF ISLANDS, ALEUTIAN IS.
13 03 16 33.4? 38.56 S 175.81 E 33 N 4.7 1.0 11 NORTH ISLAND, NEW ZEALAND
13 03 41 08.6 27.033 N 88.234 E 33 N 4.5 0.8 21 SIKKIM, INDIA
13 03 41 08.8 10.555 S 165.922 E 157 D 5.1 0.9 112 SANTA CRUZ ISLANDS. Mw 5.5 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 03:41:13.3; Lat 10.66 S; Lon 166.05 E; Dep 160.6; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.02, Plg=70, Azm=94; (N) Val=-0.20, Plg=20, Azm=262; (P) Val=-1.82, Plg=4, Azm=353; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=103, Dip=45, Slip=119; NP2: Strike=245, Dip=52, Slip=65.
13 04 42 53.2& 37.924 N 118.179 W 1 39 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK), 3.0 (GS).
13 04 49 25.0* 7.108 S 155.575 E 33 N 4.1 1.2 23 SOLOMON ISLANDS
13 04 57 27.2 43.976 N 7.618 E 10 G 0.3 15 NEAR SOUTH COAST OF FRANCE. ML 2.4 (GEN), 1.8 (LDG).
13 05 04 35.9 2.783 N 96.073 E 33 N 5.0 4.7 1.0 78 NORTHERN SUMATERA, INDONESIA. Mw 5.3 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 05:04:40.8; Lat 3.04 N; Lon 95.52 E; Dep 34.6; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=8.91, Plg=71, Azm=19; (N) Val=-0.66, Plg=7, Azm=131; (P) Val=-8.25, Plg=17, Azm=223; Best double couple: Mo=8.6*10**16 Nm; NP1: Strike=324, Dip=29, Slip=105; NP2: Strike=127, Dip=62, Slip=82.
13 06 28 44.1& 35.849 N 121.342 W 9 32 CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (GS).
13 06 59 47.9* 12.285 S 77.055 W 33 N 0.4 7 NEAR COAST OF PERU. Felt (IV) at Lima and (II) at Mala. Also felt at Chosica and Huaral. Landslides occurred at Lima.
13 07 13 40.7* 2.863 N 128.608 E 150 G 4.7 1.4 26 HALMAHERA, INDONESIA
13 07 48 54.5% 37.082 N 5.204 W 10 G 1.5 6 SPAIN. mbLg 2.4 (MDD).
13 08 23 48.4? 28.42 N 43.69 W 10 G 4.7 4.3 1.0 15 NORTHERN MID-ATLANTIC RIDGE
13 11 38 36.6& 59.686 N 153.973 W 141 49 SOUTHERN ALASKA. <AEIC>.
13 13 41 12.3 51.547 N 178.458 W 33 N 5.2 0.9 209 ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.1 (HRV). Felt on Adak.
Centroid, Moment Tensor (HRV): Centroid origin time 13:41:14.4; Lat 51.55 N; Lon 178.10 W; Dep 37.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.32, Plg=62, Azm=310; (N) Val=-0.93, Plg=10, Azm=59; (P) Val=-5.39, Plg=26, Azm=154; Best double couple: Mo=5.9*10**16 Nm; NP1: Strike=267, Dip=21, Slip=119; NP2: Strike=56, Dip=72, Slip=80.
13 14 19 23.6* 4.491 S 153.391 E 33 N 4.6 1.3 18 NEW IRELAND REGION, P.N.G.
13 15 04 26.1? 32.26 N 132.22 E 33 N 0.3 4 SHIKOKU, JAPAN
13 15 45 09.9 58.565 N 157.854 E 33 N 4.9 4.6 0.8 86 KAMCHATKA
13 16 50 12.1? 33.19 S 78.26 E 10 G 4.4 1.4 8 MID-INDIAN RIDGE
13 16 52 22.7? 7.08 S 155.67 E 33 N 3.9 1.1 9 SOLOMON ISLANDS
13 17 00 03.2? 55.65 S 135.84 W 10 G 4.8 1.2 12 PACIFIC-ANTARCTIC RIDGE
13 17 07 07.3* 2.999 N 126.757 E 33 N 4.8 1.0 22 NORTHERN MOLUCCA SEA
13 17 17 44.9* 3.928 S 128.496 E 100 G 4.2 1.1 13 SERAM, INDONESIA
13 17 25 54.4? 2.26 N 98.05 E 33 N 4.4 0.9 9 NORTHERN SUMATERA, INDONESIA
13 17 45 23.2* 11.306 N 61.883 W 10 G 0.9 7 WINDWARD ISLANDS. MD 3.3 (TRN).
13 17 59 57.1* 42.997 N 17.749 E 10 G 3.9 1.5 10 ADRIATIC SEA
13 19 25 15.8 43.021 N 17.833 E 10 G 1.2 10 NORTHWESTERN BALKAN REGION
13 19 48 22.9& 62.086 N 151.012 W 64 75 CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC).
13 20 37 15.1? 2.25 N 126.41 E 33 N 4.4 1.1 10 NORTHERN MOLUCCA SEA
13 20 48 47.2% 33.312 S 71.004 W 60 G 1.0 10 NEAR COAST OF CENTRAL CHILE. MD 2.5 (SAN).
13 21 32 55.2 51.470 N 174.069 W 33 N 5.0 0.8 107 ANDREANOF ISLANDS, ALEUTIAN IS.
13 23 52 49.0* 2.094 N 126.645 E 33 N 4.5 0.8 15 NORTHERN MOLUCCA SEA
14 00 22 57.2 32.834 N 76.371 E 33 N 4.6 1.1 29 KASHMIR-INDIA BORDER REGION
14 01 41 29.4* 5.286 S 75.156 W 33 N 4.9 1.1 9 NORTHERN PERU
14 02 09 19.1 27.635 N 92.638 E 33 N 4.7 0.9 48 EASTERN XIZANG-INDIA BORDER REG.
14 02 12 07.2* 30.748 N 78.307 E 33 N 4.8 0.9 16 NORTHERN INDIA
14 02 24 49.8* 25.514 N 96.645 E 33 N 4.5 1.4 16 MYANMAR
14 02 25 07.3 41.887 N 0.625 E 10 G 1.0 8 SPAIN. mbLg 2.8 (MDD). ML 2.4 (LDG).
14 02 53 24.5 0.006 S 122.795 E 181 5.5 0.9 183 MINAHASSA PENINSULA, SULAWESI. Mw 5.8 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 02:53:28.7; Lat 0.11 N; Lon 123.01 E; Dep 177.6; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=7.64, Plg=61, Azm=270; (N) Val=-2.39, Plg=28, Azm=73; (P) Val=-5.26, Plg=7, Azm=167; Best double couple: Mo=6.4*10**17 Nm; NP1: Strike=285, Dip=45, Slip=131; NP2: Strike=54, Dip=58, Slip=57.
14 03 32 58.0* 3.075 N 127.275 E 33 N 4.3 1.3 12 TALAUD ISLANDS, INDONESIA
14 04 28 36.1 2.634 N 126.388 E 100 G 4.8 0.8 32 NORTHERN MOLUCCA SEA
14 05 41 45.0% 58.718 N 157.472 E 33 N 0.4 7 KAMCHATKA
14 06 02 37.6* 42.753 N 17.453 E 10 G 4.0 1.1 12 ADRIATIC SEA
14 06 32 37.4& 38.282 N 122.092 W 9 44 NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.9 (GS). Felt at Fairfield.
14 07 55 00.4 4.645 S 152.659 E 100 G 5.1 1.0 45 NEW BRITAIN REGION, P.N.G.
14 08 01 03.7 36.046 N 70.706 E 120 D 5.1 1.0 219 HINDU KUSH REGION, AFGHANISTAN. Mw 5.9 (GS), 5.9 (HRV). Felt at Islamabad and Rawalpindi, Pakistan.
Moment Tensor (GS): Dep 109; Principal axes (scale 10**17 Nm): (T) Val=7.88, Plg=49, Azm=26; (N) Val=-1.44, Plg=0, Azm=116; (P) Val=-6.44, Plg=41, Azm=206; Best double couple: Mo=7.2*10**17 Nm; NP1: Strike=296, Dip=4, Slip=90; NP2: Strike=116, Dip=86, Slip=90.
Centroid, Moment Tensor (HRV): Centroid origin time 08:01:09.0; Lat 35.96 N; Lon 70.59 E; Dep 127.5; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=6.86, Plg=48, Azm=35; (N) Val=0.26, Plg=7, Azm=297; (P) Val=-7.12, Plg=41, Azm=200; Best double couple: Mo=7.0*10**17 Nm; NP1: Strike=230, Dip=8, Slip=23; NP2: Strike=118, Dip=87, Slip=97.
14 09 12 26.4? 44.48 N 7.27 E 10 G 0.0 4 NORTHERN ITALY. ML 1.7 (GEN).
14 09 15 48.8% 37.518 N 1.429 W 10 G 1.1 5 SPAIN. mbLg 2.9 (MDD).
14 10 10 10.5& 40.304 N 124.481 W 8 19 NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM). ML 3.0

													(GS).
14	11	15	28.4&	40.304	N	124.478	W	8				24	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.2 (GM). ML 3.3 (GS), 3.1 (BRK).
14	12	13	45.8*	6.086	S	130.276	E	33	N	4.0	1.2	12	BANDA SEA
14	12	46	04.2	29.060	N	130.170	E	33	N	4.6	1.4	29	RYUKYU ISLANDS
14	12	49	17.2?	15.31	N	92.10	W	100	G	3.9	1.4	13	MEXICO-GUATEMALA BORDER REGION
14	12	50	36.8	51.401	N	174.073	W	33	N	5.2	0.8	195	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:50:43.1; Lat 51.47 N; Lon 174.15 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=7.99, Plg=64, Azm=30; (N) Val=-1.23, Plg=18, Azm=258; (P) Val=-6.76, Plg=18, Azm=162; Best double couple: Mo=7.4*10**16 Nm; NP1: Strike=226, Dip=31, Slip=54; NP2: Strike=87, Dip=65, Slip=110.
14	13	03	33.9	9.986	N	125.358	E	201	D	5.0	1.0	79	MINDANAO, PHILIPPINE ISLANDS
14	13	10	53.9	10.878	S	165.991	E	73	D	6.0 6.0	0.8	268	SANTA CRUZ ISLANDS. Mw 6.4 (GS), 6.4 (HRV). Me 6.0 (GS). Broadband Source Parameters (GS): Dep 65; NP1: Strike=180, Dip=50, Slip=55; NP2: Strike=47, Dip=51, Slip=124; Radiated energy 2.4*10**13 Nm. Moment Tensor (GS): Dep 70; Principal axes (scale 10**18 Nm): (T) Val=4.86, Plg=64, Azm=23; (N) Val=-0.02, Plg=26, Azm=209; (P) Val=-4.84, Plg=2, Azm=118; Best double couple: Mo=4.9*10**18 Nm; NP1: Strike=184, Dip=48, Slip=54; NP2: Strike=51, Dip=53, Slip=123. Centroid, Moment Tensor (HRV): Centroid origin time 13:10:59.5; Lat 10.84 S; Lon 165.94 E; Dep 64.6; Half-duration 4.1 sec; Principal axes (scale 10**18 Nm): (T) Val=5.29, Plg=52, Azm=30; (N) Val=-0.94, Plg=38, Azm=212; (P) Val=-4.34, Plg=1, Azm=122; Best double couple: Mo=4.8*10**18 Nm; NP1: Strike=179, Dip=56, Slip=41; NP2: Strike=63, Dip=57, Slip=138. Scalar Moment (PPT): Mo=5.0*10**18 Nm.
14	13	43	40.6*	30.358	N	131.135	E	33	N		0.9	9	KYUSHU, JAPAN
14	13	56	56.6	30.527	N	131.254	E	33	N	4.8	1.1	43	KYUSHU, JAPAN
14	14	32	47.7*	27.670	N	139.801	E	485		4.6	0.9	23	BONIN ISLANDS REGION
14	14	34	59.2	43.958	N	7.644	E	10	G		0.8	15	NEAR SOUTH COAST OF FRANCE. ML 2.1 (GEN), 1.8 (LDG).
14	14	48	42.5%	81.391	N	120.484	E	10	G		0.6	5	EAST OF SEVERNAYA ZEMLYA, RUSSIA
14	15	52	38.8%	48.407	N	148.508	E	450	G		0.7	10	NORTHWEST OF KURIL ISLANDS
14	16	27	19.5	43.282	N	146.713	E	57	D	4.7	0.9	31	KURIL ISLANDS
14	16	37	59.7?	44.36	N	7.38	E	10	G		0.1	4	NORTHERN ITALY. ML 1.6 (GEN).
14	17	28	57.9*	40.675	N	143.193	E	33	N	4.2	1.2	21	OFF EAST COAST OF HONSHU, JAPAN
14	17	39	18.1*	21.687	N	121.578	E	33	N	3.9	1.5	10	TAIWAN REGION
14	17	48	38.3*	52.086	N	30.241	W	10	G	3.7	1.4	17	NORTHERN MID-ATLANTIC RIDGE
14	18	13	30.4*	5.445	S	147.272	E	150	G	5.0	1.2	18	EASTERN NEW GUINEA REG., P.N.G.
14	19	09	38.6*	29.842	N	51.647	E	33	N		1.3	13	SOUTHERN IRAN
14	19	29	44.0%	75.443	N	110.473	E	33	N		1.0	12	NEAR COAST OF C. SIBERIA, RUSSIA
14	20	01	35.0?	1.77	N	90.65	W	10	G		1.1	9	GALAPAGOS ISLANDS REGION
14	20	28	40.3*	3.075	N	127.255	E	33	N	4.7	1.0	18	TALAUD ISLANDS, INDONESIA
14	21	17	28.6	10.664	N	62.560	W	96		4.0	0.9	34	NEAR COAST OF VENEZUELA
14	21	37	08.4	43.962	N	7.621	E	10	G		0.4	14	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN), 1.6 (LDG).
14	22	20	08.6?	23.59	S	179.06	E	550	G	4.4	0.9	13	SOUTH OF FIJI ISLANDS
14	22	39	10.9?	53.63	N	35.34	W	10	G		1.5	9	NORTH ATLANTIC OCEAN
14	22	54	52.2	46.141	N	6.755	E	5	G		0.9	91	SWITZERLAND. ML 3.7 (GRF), 3.5 (LDG), 3.5 (STR), 3.4 (FUR), 3.2 (VIE).
14	23	10	01.8%	45.983	N	7.319	E	5	G		1.2	11	NORTHERN ITALY. ML 2.0 (LDG).
14	23	20	00.9*	72.252	N	126.786	E	33	N		1.1	10	NORTHCENTRAL SIBERIA, RUSSIA
14	23	26	32.9	5.862	S	104.166	E	100	G	4.7	1.1	36	SOUTHERN SUMATERA, INDONESIA
14	23	32	10.9%	34.289	S	70.235	W	10	G		0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
15	00	14	52.6?	53.78	N	35.18	W	10	G		1.1	9	NORTH ATLANTIC OCEAN
15	00	16	07.8%	53.483	N	35.462	W	10	G		0.4	6	NORTH ATLANTIC OCEAN
15	00	16	56.6?	53.03	N	34.99	W	10	G		1.4	5	NORTH ATLANTIC OCEAN
15	00	21	22.1	72.206	N	126.335	E	10	G	4.5 4.8	1.0	52	NORTHCENTRAL SIBERIA, RUSSIA
15	00	22	02.9&	67.417	N	146.098	W	41				22	NORTHERN ALASKA. <AEIC>. ML 3.3 (AEIC).
15	00	44	23.6	46.230	N	14.325	E	10	G		1.3	27	NORTHWESTERN BALKAN REGION. ML 3.3 (FUR), 3.0 (VIE), 3.0 (LDG). Felt (IV) at Kranj and Preddvor, Slovenia.
15	00	49	35.3%	43.685	N	0.384	W	10	G		0.5	5	PYRENEES. ML 2.0 (LDG).
15	01	51	28.0*	25.218	S	179.675	E	500	G	3.8	1.0	19	SOUTH OF FIJI ISLANDS
15	01	52	13.2*	12.774	N	124.957	E	33	N	4.7	0.8	21	SAMAR, PHILIPPINE ISLANDS
15	02	21	10.4?	29.04	N	35.00	E	10	G	4.2	1.4	23	EGYPT
15	02	25	55.2	46.630	N	152.900	E	33	N	4.5	0.8	19	KURIL ISLANDS
15	02	40	54.5?	5.85	S	145.17	E	100	G		1.4	5	EASTERN NEW GUINEA REG., P.N.G.
15	03	01	30.6	6.438	N	33.827	W	10	G	4.7 4.5	1.0	72	CENTRAL MID-ATLANTIC RIDGE
15	03	06	14.1*	44.468	N	149.560	E	33	N	3.5	1.1	11	KURIL ISLANDS
15	03	23	42.7*	45.124	N	146.699	E	33	N		1.0	19	KURIL ISLANDS
15	03	34	08.0*	52.875	N	166.962	W	33	N	4.4	1.3	21	FOX ISLANDS, ALEUTIAN ISLANDS
15	03	55	04.2*	42.692	N	17.580	E	10	G	4.0	1.5	13	ADRIATIC SEA
15	05	34	43.1*	7.431	S	126.571	E	300	G	4.6	1.3	14	BANDA SEA
15	06	37	43.6	43.946	N	7.604	E	5	G		0.4	7	NEAR SOUTH COAST OF FRANCE. ML 1.8 (GEN), 1.3 (LDG).
15	07	12	42.8*	26.119	S	177.741	W	100	G	4.9	1.0	31	SOUTH OF FIJI ISLANDS
15	08	25	15.7	46.147	N	14.888	E	10	G		1.5	25	NORTHWESTERN BALKAN REGION. ML 3.7 (FUR), 3.6 (LJU), 3.5 (GRF), 3.1 (VIE).
15	08	29	54.5*	16.249	S	173.146	W	33	N	4.6	1.2	30	TONGA ISLANDS
15	08	34	48.4%	54.737	N	161.273	E	41	D		0.8	13	NEAR EAST COAST OF KAMCHATKA
15	08	37	51.3%	38.487	N	71.409	E	33	N		0.5	5	AFGHANISTAN-TAJIKISTAN BORD REG.
15	08	40	28.7*	42.586	N	17.498	E	10	G	4.4	1.5	23	ADRIATIC SEA
15	09	25	41.5	24.427	S	179.919	W	493	D	4.8	0.8	116	SOUTH OF FIJI ISLANDS
15	10	35	52.5*	42.471	N	17.227	E	10	G		1.2	9	ADRIATIC SEA
15	10	53	03.5	42.889	N	17.810	E	10	G		1.4	106	ADRIATIC SEA. ML 3.8 (SKO).
15	10	53	33.5&	58.498	N	150.350	W	29				26	GULF OF ALASKA. <AEIC>. ML 2.7 (AEIC).
15	11	44	10.7*	42.907	N	17.688	E	10	G		1.6	28	ADRIATIC SEA. ML 3.4 (SKO), 3.3 (ROM).
15	12	12	03.3&	63.551	N	150.698	W	9				18	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
15	12	13	28.1&	63.587	N	150.861	W	19				47	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC).
15	12	26	51.1	2.919	N	127.121	E	33	N	5.0	1.0	28	NORTHERN MOLUCCA SEA

15	12	55	52.4&	65.166	N	148.536	W	14				22	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
15	13	31	39.7?	30.80	S	59.62	E	10	G		1.0	6	SOUTHWEST INDIAN RIDGE
15	16	07	39.1*	31.613	N	132.001	E	33	N		1.4	11	SOUTHEAST OF SHIKOKU, JAPAN
15	16	29	47.8*	20.016	S	67.559	E	21	D	4.4	1.2	16	MID-INDIAN RIDGE
15	17	10	49.1*	2.628	S	139.601	E	33	N	4.4	1.2	13	NEAR NORTH COAST OF IRIAN JAYA
15	17	19	51.6*	15.602	N	120.457	E	33	N	4.8	1.1	30	LUZON, PHILIPPINE ISLANDS
15	18	17	38.6	6.488	S	154.799	E	50	D	5.7 5.8	0.9	268	SOLOMON ISLANDS. Mw 5.9 (GS), 5.9 (HRV). Me 5.5 (GS). Ms 5.8 (BRK).
													Broadband Source Parameters (GS): Dep 33; NP1: Strike=130, Dip=52, Slip=90; NP2: Strike=310, Dip=38, Slip=90; Radiated energy 4.3*10**12 Nm.
													Moment Tensor (GS): Dep 34; Principal axes (scale 10**17 Nm): (T) Val=6.71, Plg=87, Azm=214; (N) Val=0.09, Plg=1, Azm=323; (P) Val=-6.79, Plg=3, Azm=54; Best double couple: Mo=6.8*10**17 Nm; NP1: Strike=145, Dip=42, Slip=92; NP2: Strike=322, Dip=48, Slip=88.
													Centroid, Moment Tensor (HRV): Centroid origin time 18:17:42.2; Lat 6.71 S; Lon 154.92 E; Dep 40.0 Fix; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=8.13, Plg=79, Azm=12; (N) Val=0.15, Plg=5, Azm=129; (P) Val=-8.28, Plg=10, Azm=220; Best double couple: Mo=8.2*10**17 Nm; NP1: Strike=317, Dip=35, Slip=99; NP2: Strike=125, Dip=55, Slip=84.
15	19	22	03.4%	3.321	N	128.234	E	100	G		1.3	11	NORTH OF HALMAHERA, INDONESIA
15	19	46	07.8?	36.66	N	4.40	W	10	G		0.7	4	STRAIT OF GIBRALTAR
15	19	51	29.1*	52.721	N	164.107	W	33	N		1.1	23	SOUTH OF ALASKA
15	21	06	37.7%	39.748	N	75.236	E	33	N		0.7	8	SOUTHERN XINJIANG, CHINA
15	21	32	36.8*	39.105	N	73.761	E	33	N	4.1	1.4	20	TAJIKISTAN-XINJIANG BORDER REG.
15	21	49	01.8%	37.033	N	4.002	W	5	G		0.1	5	SPAIN. mbLg 1.9 (MDD).
15	22	17	14.5%	36.266	N	70.587	E	200	G		1.1	9	HINDU KUSH REGION, AFGHANISTAN
15	23	22	38.9&	60.403	N	152.316	W	94				72	SOUTHERN ALASKA. <AEIC>.
16	00	08	02.8%	33.402	S	71.326	W	50	G		0.3	9	NEAR COAST OF CENTRAL CHILE
16	00	49	11.3*	45.047	N	14.234	E	10	G		1.2	9	NORTHWESTERN BALKAN REGION. ML 2.7 (VIE), 2.7 (LDG), 2.5 (LJU).
16	01	13	31.8*	28.340	N	52.241	E	33	N		0.2	10	SOUTHERN IRAN
16	01	38	11.3	34.898	N	4.332	W	10	G	3.9	1.3	92	MOROCCO. mbLg 3.8 (MDD).
16	01	56	04.7?	15.46	S	168.14	E	200	G	4.8	1.3	18	VANUATU ISLANDS
16	02	43	03.4	42.853	N	17.711	E	10	G	4.4	1.2	115	ADRIATIC SEA. ML 4.2 (LJU), 4.1 (ROM).
16	03	13	31.7	51.585	N	16.247	E	10	G		1.0	13	POLAND. ML 3.2 (GRF), 2.9 (MOX).
16	03	17	56.0	12.435	N	87.608	W	57	D	4.6	1.1	48	NEAR COAST OF NICARAGUA
16	03	49	43.6*	42.757	N	17.538	E	10	G		1.3	12	ADRIATIC SEA
16	04	02	02.4*	1.854	N	126.744	E	33	N	4.8	1.1	26	NORTHERN MOLUCCA SEA
16	05	44	57.6*	3.537	S	146.492	E	33	N	5.0	1.4	27	BISMARCK SEA
16	05	47	32.3	3.420	S	146.351	E	33	N	5.5 5.8	1.4	73	BISMARCK SEA. Mw 5.9 (GS), 5.9 (HRV). Ms 5.9 (BRK).
													Moment Tensor (GS): Dep 35; Principal axes (scale 10**17 Nm): (T) Val=7.82, Plg=6, Azm=326; (N) Val=1.46, Plg=83, Azm=185; (P) Val=-9.27, Plg=4, Azm=57; Best double couple: Mo=8.5*10**17 Nm; NP1: Strike=102, Dip=83, Slip=1; NP2: Strike=12, Dip=89, Slip=173.
													Centroid, Moment Tensor (HRV): Centroid origin time 05:47:33.7; Lat 3.54 S; Lon 146.89 E; Dep 15.0 Fix; Half-duration 2.3 sec; Principal axes (scale 10**17 Nm): (T) Val=8.62, Plg=6, Azm=319; (N) Val=0.49, Plg=81, Azm=90; (P) Val=-9.12, Plg=7, Azm=228; Best double couple: Mo=8.9*10**17 Nm; NP1: Strike=-4, Dip=81, Slip=-179; NP2: Strike=274, Dip=89, Slip=-9.
16	06	54	13.6*	3.357	S	146.298	E	33	N	4.9	1.3	26	BISMARCK SEA
16	06	55	46.7*	3.244	S	146.572	E	33	N	5.0	1.3	24	BISMARCK SEA
16	07	16	25.7?	3.32	S	146.38	E	33	N	4.3	1.5	11	BISMARCK SEA
16	07	35	44.0%	33.109	S	70.381	W	100	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
16	08	48	52.9?	5.72	S	145.78	E	33	N	4.1	1.3	10	EASTERN NEW GUINEA REG., P.N.G.
16	09	14	55.5*	25.100	S	175.269	W	33	N	4.9 4.8	1.3	35	SOUTH OF TONGA ISLANDS
16	09	47	01.0&	59.336	N	151.673	W	53				55	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC).
16	10	00	20.8	33.145	N	137.553	E	357		4.6	0.9	64	NEAR S. COAST OF HONSHU, JAPAN
16	10	16	18.4%	34.029	S	71.373	W	50	G		0.4	11	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
16	12	16	14.8	13.370	N	125.640	E	33	N	5.3 4.9	1.1	108	PHILIPPINE ISLANDS REGION. Mw 5.3 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 12:16:13.8; Lat 13.47 N; Lon 125.84 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.35, Plg=12, Azm=235; (N) Val=1.36, Plg=22, Azm=330; (P) Val=-9.71, Plg=64, Azm=120; Best double couple: Mo=9.0*10**16 Nm; NP1: Strike=299, Dip=39, Slip=-128; NP2: Strike=164, Dip=60, Slip=-64.
16	12	30	55.2*	21.523	N	121.188	E	33	N	4.3	1.0	15	TAIWAN REGION
16	12	52	28.0	17.779	S	178.219	W	500	G	5.1	1.4	128	FIJI ISLANDS REGION
16	13	23	47.0?	26.71	S	26.66	E	5	G	4.5	1.0	8	REPUBLIC OF SOUTH AFRICA
16	13	55	37.5*	20.712	N	144.842	E	167	*		0.7	17	MARIANA ISLANDS
16	14	02	23.9?	33.03	S	178.55	W	100	G	4.7	1.4	19	SOUTH OF KERMADEC ISLANDS
16	14	22	49.5*	23.712	S	177.693	W	200	G	4.7	1.2	50	SOUTH OF FIJI ISLANDS
16	15	26	59.5*	59.339	S	27.232	W	33	N	5.2 5.1	1.2	45	SOUTH SANDWICH ISLANDS REGION. Mw 5.3 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 15:27:03.5; Lat 59.63 S; Lon 26.37 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.03, Plg=68, Azm=254; (N) Val=-0.08, Plg=20, Azm=99; (P) Val=-0.94, Plg=8, Azm=5; Best double couple: Mo=9.9*10**16 Nm; NP1: Strike=74, Dip=41, Slip=59; NP2: Strike=292, Dip=56, Slip=114.
16	15	43	24.4%	37.027	N	3.404	W	10	G		0.6	11	SPAIN. mbLg 2.7 (MDD).
16	16	29	02.1*	19.282	S	69.190	W	122	*	4.6	1.4	15	NORTHERN CHILE
16	17	07	16.1?	17.70	S	178.29	W	500	G	4.8	1.8	106	FIJI ISLANDS REGION
16	17	08	14.1*	17.812	S	178.342	W	600	G	4.6	1.1	32	FIJI ISLANDS REGION
16	18	59	14.8&	63.276	N	151.046	W	11				65	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC).
16	19	32	40.0*	9.982	S	160.707	E	33	N	4.6	1.0	29	SOLOMON ISLANDS

16	20	52	03.5	67.324	N	166.225	W	10	G	4.6 4.3	1.0	46	BERING STRAIT
16	21	12	40.4*	7.319	S	155.416	E	33	N	4.7	1.3	41	SOLOMON ISLANDS
16	21	38	08.8*	23.142	S	68.132	W	125	G	4.1	0.8	14	NORTHERN CHILE
16	21	45	16.7	1.244	S	102.219	E	262	D	5.0	1.1	97	SOUTHERN SUMATERA, INDONESIA
16	21	58	08.0	42.402	N	1.385	E	5	G		1.2	18	PYRENEES. mbLg 3.0 (MDD). ML 2.9 (STR), 2.8 (LDG).
16	21	58	22.8*	42.675	N	1.267	E	5	G		1.5	11	PYRENEES. mbLg 3.1 (MDD). ML 2.9 (LDG).
16	22	07	31.6	42.349	N	1.433	E	5	G		1.1	31	PYRENEES. mbLg 3.3 (MDD). ML 3.2 (LDG). Felt (III) in the epicentral area.
16	22	15	07.2&	46.267	N	2.917	E	10	G		0.4	9	FRANCE. ML 1.5 (LDG).
16	22	16	17.2	9.312	N	126.409	E	33	N	4.8	1.1	37	MINDANAO, PHILIPPINE ISLANDS
16	22	37	07.8	42.608	N	17.558	E	10	G		0.7	15	ADRIATIC SEA
16	23	04	39.2	3.324	S	143.452	E	33	N	4.9	1.0	38	NEAR N COAST OF NEW GUINEA, PNG. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:04:38.9; Lat 3.53 S; Lon 143.76 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=7.83, Plg=72, Azm=106; (N) Val=-0.18, Plg=13, Azm=332; (P) Val=-7.66, Plg=13, Azm=239; Best double couple: Mo=7.8*10**16 Nm; NP1: Strike=313, Dip=34, Slip=67; NP2: Strike=160, Dip=59, Slip=105.
16	23	05	09.7*	20.423	S	68.745	W	136	?		0.7	9	CHILE-BOLIVIA BORDER REGION
17	00	25	41.9	46.097	N	6.772	E	5	G		0.8	39	SWITZERLAND. ML 2.6 (LDG), 2.6 (STR).
17	01	58	02.7	38.641	N	20.838	E	10	G	4.4	1.0	33	GREECE
17	05	32	48.9&	61.786	N	151.857	W	107				79	SOUTHERN ALASKA. <AEIC>.
17	05	59	44.1	12.689	N	88.115	W	56	D	4.9	1.1	121	OFF COAST OF CENTRAL AMERICA. Felt (III) at San Salvador and Usulutan, El Salvador.
17	07	33	06.1	42.934	N	17.904	E	10	G	4.1	1.0	9	ADRIATIC SEA
17	09	06	28.5&	28.958	N	103.862	E	33	N		1.0	6	SICHUAN, CHINA
17	09	18	55.7*	42.839	N	17.806	E	10	G	4.3	1.5	8	ADRIATIC SEA
17	09	21	17.0*	38.741	N	142.015	E	73	*		1.1	16	NEAR EAST COAST OF HONSHU, JAPAN
17	10	04	14.3&	53.477	N	159.880	E	33	N		1.1	7	NEAR EAST COAST OF KAMCHATKA
17	10	30	01.0&	45.249	N	6.482	E	5	G		1.3	8	FRANCE. ML 2.1 (LDG).
17	10	50	56.0?	7.11	N	73.14	W	150	G		1.4	8	NORTHERN COLOMBIA
17	13	45	22.8	42.866	N	17.820	E	10	G	5.4 5.1	1.2	248	ADRIATIC SEA. Mw 5.5 (HRV). ML 4.9 (ROM). Additional damage in the Slano and Ston areas, Croatia. Felt on the Peljesac Peninsula and on Korcula, Croatia. Also felt at Dubrovnik, Croatia. Felt (V) at Herceg-Novi, Kotor and Tivat; (IV) at Bar, Budva, Niksic and Podgorica, Yugoslavia. Felt (III) in the northwestern part of the former Yugoslav Republic of Macedonia. Centroid, Moment Tensor (HRV): Centroid origin time 13:45:27.9; Lat 42.59 N; Lon 17.53 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.54, Plg=77, Azm=72; (N) Val=0.25, Plg=8, Azm=306; (P) Val=-1.80, Plg=11, Azm=215; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=295, Dip=35, Slip=76; NP2: Strike=132, Dip=56, Slip=99.
17	14	18	26.4	51.687	N	16.224	E	10	G		0.9	16	POLAND. ML 3.4 (VIE), 3.1 (MOX), 2.7 (CLL).
17	14	30	46.1*	42.933	N	17.622	E	10	G	4.2	1.2	7	ADRIATIC SEA
17	15	01	28.6&	29.175	N	130.609	E	33	N		0.6	5	RYUKYU ISLANDS
17	15	06	40.6	42.855	N	17.941	E	10	G		1.1	75	ADRIATIC SEA. ML 3.6 (BRA).
17	15	35	49.1	46.824	N	1.932	W	5	G		1.1	35	FRANCE. ML 3.6 (LDG), 3.0 (STR).
17	15	54	46.7*	28.819	S	69.915	W	106	D		1.2	18	CHILE-ARGENTINA BORDER REGION. MD 4.6 (SAN).
17	16	22	56.3*	18.962	N	145.416	E	250	G	4.2	1.1	24	MARIANA ISLANDS
17	16	38	18.8*	1.302	N	122.989	E	50	G	4.7	1.2	26	MINAHASSA PENINSULA, SULAWESI
17	16	48	01.9*	24.113	S	66.699	W	200	*	4.1	1.2	16	SALTA PROVINCE, ARGENTINA
17	17	12	36.2?	0.24	N	98.71	E	33	N	3.9	1.4	15	NORTHERN SUMATERA, INDONESIA
17	18	19	22.7	21.517	N	121.419	E	33	N	4.6	1.2	27	TAIWAN REGION
17	18	45	33.6	42.885	N	17.905	E	10	G		1.3	44	ADRIATIC SEA. ML 3.5 (ROM).
17	19	03	21.8*	30.083	N	81.675	E	33	N		1.0	11	XIZANG
17	19	27	14.2&	62.119	N	149.754	W	50				52	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
17	19	38	47.8&	62.603	N	149.472	W	64				47	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
17	19	48	19.8*	1.280	S	127.641	E	33	N	4.7	1.1	16	HALMAHERA, INDONESIA
17	20	04	40.2&	46.799	N	2.026	W	10	G		0.9	7	BAY OF BISCAY. ML 2.0 (LDG).
17	20	22	57.5&	59.992	N	153.535	W	139				44	SOUTHERN ALASKA. <AEIC>.
17	20	45	01.7*	13.671	N	144.864	E	114		4.3	0.6	17	MARIANA ISLANDS. Felt (III) by people in high-rise buildings at Dededo and Tamuning, Guam.
17	21	25	00.4*	15.637	N	144.975	E	33	N		0.8	14	MARIANA ISLANDS REGION
17	22	11	56.1*	54.919	S	129.001	W	10	G	4.6	1.3	19	PACIFIC-ANTARCTIC RIDGE
17	23	09	24.2	0.908	N	26.370	W	10	G	5.3 5.2	0.8	226	CENTRAL MID-ATLANTIC RIDGE. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:09:29.6; Lat 1.07 N; Lon 26.56 W; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.63, Plg=0, Azm=213; (N) Val=-0.30, Plg=90, Azm=180; (P) Val=-2.33, Plg=0, Azm=123; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=258, Dip=90, Slip=-180; NP2: Strike=348, Dip=90, Slip=0.
17	23	47	07.1	43.648	N	147.213	E	33	N	5.5 4.6	0.9	259	KURIL ISLANDS. Felt (V) on Shikotan and (IV) at Yuzhno-Kurilsk, Kunashir.
17	23	53	39.0&	32.867	S	70.949	W	70	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
18	00	08	07.2&	31.959	S	116.858	E	10	G		1.5	7	WESTERN AUSTRALIA
18	00	13	07.0	43.010	N	146.870	E	53	D	5.0	0.9	157	KURIL ISLANDS
18	00	41	14.2&	31.965	S	116.709	E	10	G		1.2	5	WESTERN AUSTRALIA
18	01	41	01.9&	47.259	N	2.421	W	10	G		0.6	8	FRANCE. ML 2.5 (LDG).
18	02	09	23.3*	25.557	S	179.445	E	550	G	4.7	0.7	19	SOUTH OF FIJI ISLANDS
18	02	10	57.4*	5.643	S	102.780	E	43	D	4.6	0.8	16	SOUTHERN SUMATERA, INDONESIA
18	02	13	40.4&	33.862	S	69.989	W	10	G		0.1	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
18	02	16	27.7*	33.738	N	82.099	W	5	G		0.6	5	GEORGIA, USA. mbLg 2.8 (GS). Felt at Edgefield and McCormick, South Carolina.
18	03	25	46.1	32.501	N	141.420	E	33	N	5.2 5.2	1.0	152	SOUTH OF HONSHU, JAPAN. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:25:48.8; Lat 32.35 N; Lon 141.65 E; Dep 22.9; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.55, Plg=74, Azm=231; (N) Val=0.54, Plg=10, Azm=358;

(P) Val=-4.09, Plg=12, Azm=90; Best double couple: Mo=3.8*10**17 Nm; NP1: Strike=193, Dip=34, Slip=108; NP2: Strike=352, Dip=58, Slip=78.

18	04	11	44.4*	19.754	S	168.688	E	32	D	5.4	5.4	1.5	107	VANUATU ISLANDS. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:11:47.2; Lat 20.26 S; Lon 168.85 E; Dep 34.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=4.19, Plg=76, Azm=28; (N) Val=0.30, Plg=10, Azm=160; (P) Val=-4.49, Plg=11, Azm=252; Best double couple: Mo=4.3*10**17 Nm; NP1: Strike=354, Dip=35, Slip=107; NP2: Strike=154, Dip=56, Slip=78.
18	04	13	18.9	52.739	N	154.097	E	400	G	3.9		0.9	22	NORTHWEST OF KURIL ISLANDS
18	04	43	42.1?	21.88	S	112.63	W	10	G			1.2	7	SOUTHERN EAST PACIFIC RISE
18	05	16	40.2*	39.607	N	41.050	E	10	G	4.1		1.3	11	TURKEY. Felt in Bingol.
18	05	29	03.6	9.553	N	126.256	E	33	N	5.5	5.3	1.1	111	MINDANAO, PHILIPPINE ISLANDS. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:29:08.3; Lat 9.49 N; Lon 126.64 E; Dep 20.5; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=4.49, Plg=72, Azm=289; (N) Val=-0.40, Plg=6, Azm=180; (P) Val=-4.09, Plg=17, Azm=88; Best double couple: Mo=4.3*10**17 Nm; NP1: Strike=168, Dip=28, Slip=77; NP2: Strike=3, Dip=63, Slip=97.
18	05	53	27.0*	9.552	N	126.234	E	33	N	4.8		1.0	17	MINDANAO, PHILIPPINE ISLANDS
18	06	15	46.2	32.493	N	141.332	E	22	D	4.9	4.8	1.0	56	SOUTH OF HONSHU, JAPAN
18	07	01	36.0&	31.975	S	116.736	E	10	G			1.0	7	WESTERN AUSTRALIA
18	07	29	17.5&	41.792	N	126.400	W	5					43	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
18	08	41	50.7*	3.307	S	140.867	E	33	N	4.3		1.2	14	IRIAN JAYA, INDONESIA
18	09	08	49.9*	23.009	S	169.647	E	33	N	4.2		1.4	24	LOYALTY ISLANDS REGION
18	09	15	45.4*	21.388	N	121.073	E	33	N	4.4		0.9	12	TAIWAN REGION
18	09	51	46.7	68.017	N	139.830	E	33	N	4.7	4.7	0.8	51	EASTERN SIBERIA, RUSSIA
18	09	54	47.8&	53.774	N	35.672	W	10	G			0.8	6	NORTH ATLANTIC OCEAN
18	10	35	48.1*	23.044	S	169.675	E	33	N	4.6		1.7	30	LOYALTY ISLANDS REGION
18	13	14	40.5?	14.35	S	171.73	E	600	G	4.6		0.6	18	VANUATU ISLANDS REGION
18	14	36	40.7*	26.028	N	61.018	E	10	G	4.8		1.3	38	SOUTHERN IRAN
18	17	06	38.8*	21.264	N	99.443	E	33	N			1.0	6	MYANMAR-CHINA BORDER REGION
18	17	25	06.8	29.326	N	130.142	E	75		4.6		1.2	37	RYUKYU ISLANDS
18	17	34	20.6	11.435	N	85.471	W	193	D	5.3		1.0	294	NICARAGUA. Mw 5.6 (GS), 5.6 (HRV). Moment Tensor (GS): Dep 191; Principal axes (scale 10**17 Nm): (T) Val=2.71, Plg=68, Azm=48; (N) Val=0.47, Plg=1, Azm=140; (P) Val=-3.18, Plg=22, Azm=230; Best double couple: Mo=2.9*10**17 Nm; NP1: Strike=321, Dip=23, Slip=91; NP2: Strike=140, Dip=67, Slip=89. Centroid, Moment Tensor (HRV): Centroid origin time 17:34:26.4; Lat 11.45 N; Lon 85.82 W; Dep 184.2; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.65, Plg=66, Azm=66; (N) Val=0.04, Plg=4, Azm=327; (P) Val=-2.69, Plg=23, Azm=235; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=316, Dip=22, Slip=78; NP2: Strike=148, Dip=69, Slip=95.
18	18	21	34.8*	43.112	N	147.530	E	67	D	3.7		1.4	18	KURIL ISLANDS
18	18	23	36.0*	53.803	N	35.416	W	10	G	4.7	4.7	1.3	16	NORTH ATLANTIC OCEAN
18	19	09	35.9?	18.90	N	67.23	W	33	N			0.1	5	MONA PASSAGE
18	19	14	52.0*	5.856	S	153.197	E	33	N	4.6		1.0	21	NEW IRELAND REGION, P.N.G.
18	19	57	20.3&	48.133	N	2.411	W	10	G			0.5	6	FRANCE. ML 1.7 (LDG).
18	20	30	11.6	43.915	N	7.670	E	10	G			1.2	18	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG), 2.2 (GEN).
18	20	32	19.7?	72.18	N	126.34	E	10	G			1.5	6	NORTHCENTRAL SIBERIA, RUSSIA
18	21	04	06.5*	2.855	N	126.843	E	100	G	4.2		0.8	19	NORTHERN MOLUCCA SEA
18	21	23	54.5	51.509	N	175.010	W	51	D	4.6		0.9	24	ANDREANOF ISLANDS, ALEUTIAN IS.
18	21	25	14.3&	36.744	N	3.464	W	10	G			1.0	6	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
18	22	10	48.5*	2.973	N	128.048	E	150	G	4.6		1.1	19	HALMAHERA, INDONESIA
18	22	15	45.0*	30.606	N	130.892	E	45	*			1.3	11	KYUSHU, JAPAN
18	22	34	57.4?	45.63	N	6.01	E	10	G			0.8	4	FRANCE. ML 2.2 (LDG).
18	22	46	24.9?	48.88	S	121.53	E	10	G			1.3	6	SOUTH OF AUSTRALIA
18	22	56	59.2&	65.718	N	174.397	E	33	N			0.8	10	EASTERN SIBERIA, RUSSIA
18	23	35	51.8*	31.827	S	116.859	E	10	G			1.5	8	WESTERN AUSTRALIA
18	23	37	27.4?	72.06	N	125.97	E	10	G			1.4	5	NORTHCENTRAL SIBERIA, RUSSIA
18	23	42	13.8*	18.834	N	145.260	E	600	G	4.2		0.5	11	MARIANA ISLANDS
18	23	50	36.0	12.754	N	40.515	E	10	G	5.0	4.4	1.0	57	ETHIOPIA
19	00	14	29.4	38.672	N	0.494	W	10	G			0.9	16	SPAIN. mbLg 3.1 (MDD). ML 2.7 (LDG).
19	02	52	29.9&	46.679	N	4.908	W	10	G			0.6	22	BAY OF BISCAY. ML 3.1 (LDG).
19	03	53	42.2&	30.771	N	132.691	E	33	N			0.6	5	SOUTHEAST OF SHIKOKU, JAPAN
19	04	45	31.0	32.519	N	141.434	E	20		5.4	4.9	1.0	119	SOUTH OF HONSHU, JAPAN. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:45:34.8; Lat 32.39 N; Lon 141.70 E; Dep 33.8; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.41, Plg=72, Azm=250; (N) Val=0.29, Plg=6, Azm=357; (P) Val=-1.71, Plg=17, Azm=89; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=187, Dip=28, Slip=102; NP2: Strike=354, Dip=63, Slip=84.
19	05	29	40.3	43.953	N	7.626	E	10	G			0.2	11	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG), 2.1 (GEN).
19	07	13	01.9?	6.38	S	130.27	E	172	*	4.6		0.9	16	BANDA SEA
19	07	35	36.3&	36.279	N	120.464	W	10					37	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK).
19	09	17	29.2?	6.76	S	154.41	E	33	N	4.7		1.3	14	SOLOMON ISLANDS
19	12	17	44.3*	4.791	S	135.438	E	33	N	4.7		1.4	9	IRIAN JAYA REGION, INDONESIA
19	12	37	07.4	32.969	S	72.149	W	33	N	4.9		1.0	30	OFF COAST OF CENTRAL CHILE. MD 4.9 (SAN).
19	14	04	40.6*	19.684	S	170.028	E	33	N	4.8		0.8	20	VANUATU ISLANDS
19	14	18	54.6*	50.995	N	177.736	W	33	N	4.3		1.4	16	ANDREANOF ISLANDS, ALEUTIAN IS.
19	14	44	32.7?	45.41	N	26.51	E	100	G			0.9	5	ROMANIA
19	17	52	59.5&	65.014	N	146.900	W	15					42	NORTHERN ALASKA. <AEIC>. ML 3.1 (AEIC). Felt at Fairbanks, North Pole and along Chena Hot Springs Road.
19	18	44	27.3&	59.090	N	154.096	W	123					75	SOUTHERN ALASKA. <AEIC>.
19	18	45	05.1*	6.277	S	128.701	E	250	G	4.7		1.5	10	BANDA SEA
19	20	52	53.4*	31.274	S	68.672	W	100	G			0.9	13	SAN JUAN PROVINCE, ARGENTINA. MD 4.3 (SAN).

19	21	05	28.1	25.360	S	179.786	E	485	D	5.1	0.9	50	SOUTH OF FIJI ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:05:28.7; Lat 25.65 S; Lon 179.74 E; Dep 475.3; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.31, Plg=41, Azm=77; (N) Val=-0.32, Plg=10, Azm=176; (P) Val=-1.99, Plg=47, Azm=277; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=101, Dip=11, Slip=-165; NP2: Strike=356, Dip=87, Slip=-80.
19	21	54	30.4&	33.921	S	71.177	W	50	G		0.3	8	NEAR COAST OF CENTRAL CHILE
19	22	15	23.3&	62.804	N	150.519	W	85				50	CENTRAL ALASKA. <AEIC>.
20	00	03	18.3	9.597	N	126.293	E	33	N	5.8 6.2	1.2	178	MINDANAO, PHILIPPINE ISLANDS. Mw 6.4 (HRV), 6.3 (GS). Me 6.1 (GS). Ms 6.3 (BRK). Felt at Butuan and Surigao. Also felt on Leyte. Broadband Source Parameters (GS): Dep 20; NP1: Strike=15, Dip=70, Slip=80; NP2: Strike=222, Dip=22, Slip=116; Radiated energy 3.3*10**13 Nm. Moment Tensor (GS): Dep 24; Principal axes (scale 10**18 Nm): (T) Val=3.69, Plg=63, Azm=295; (N) Val=-0.03, Plg=6, Azm=192; (P) Val=-3.66, Plg=26, Azm=99; Best double couple: Mo=3.7*10**18 Nm; NP1: Strike=175, Dip=20, Slip=71; NP2: Strike=14, Dip=71, Slip=96. Centroid, Moment Tensor (HRV): Centroid origin time 00:03:22.9; Lat 9.57 N; Lon 126.68 E; Dep 22.9; Half-duration 4.2 sec; Principal axes (scale 10**18 Nm): (T) Val=4.74, Plg=67, Azm=295; (N) Val=0.08, Plg=8, Azm=185; (P) Val=-4.82, Plg=21, Azm=92; Best double couple: Mo=4.8*10**18 Nm; NP1: Strike=166, Dip=25, Slip=70; NP2: Strike=8, Dip=67, Slip=99. Scalar Moment (PPT): Mo=8.0*10**18 Nm.
20	00	07	29.0*	18.966	S	68.729	W	150	G		1.3	10	CHILE-BOLIVIA BORDER REGION
20	00	11	42.9*	9.593	N	126.204	E	33	N		0.9	26	MINDANAO, PHILIPPINE ISLANDS
20	00	23	04.7	9.548	N	126.457	E	33	N	5.2	1.1	38	MINDANAO, PHILIPPINE ISLANDS
20	01	19	50.9	42.850	N	17.681	E	10	G		1.3	39	ADRIATIC SEA. ML 3.3 (ROM).
20	01	25	04.0*	6.218	S	154.996	E	33	N	5.2	1.0	25	SOLOMON ISLANDS
20	02	02	49.6	29.821	S	73.011	E	26	D	5.3	0.8	66	MID-INDIAN RIDGE
20	03	34	24.7?	23.30	N	144.43	E	33	N	4.4	0.7	6	VOLCANO ISLANDS REGION
20	03	52	34.8*	9.534	N	126.411	E	33	N		0.6	16	MINDANAO, PHILIPPINE ISLANDS
20	04	10	27.6	9.463	N	126.284	E	33	N	5.8 6.4	1.1	199	MINDANAO, PHILIPPINE ISLANDS. Mw 6.6 (HRV), 6.5 (GS). Me 5.9 (GS). Ms 6.4 (BRK). Felt at Butuan and Surigao. Also felt on Leyte. Broadband Source Parameters (GS): Dep 24; NP1: Strike=25, Dip=66, Slip=110; NP2: Strike=163, Dip=31, Slip=52; Radiated energy 1.6*10**13 Nm. Moment Tensor (GS): Dep 26; Principal axes (scale 10**18 Nm): (T) Val=5.40, Plg=65, Azm=305; (N) Val=-0.01, Plg=11, Azm=189; (P) Val=-5.39, Plg=22, Azm=95; Best double couple: Mo=5.4*10**18 Nm; NP1: Strike=165, Dip=25, Slip=63; NP2: Strike=14, Dip=67, Slip=102. Centroid, Moment Tensor (HRV): Centroid origin time 04:10:33.6; Lat 9.53 N; Lon 126.66 E; Dep 22.0 Fix; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=7.42, Plg=64, Azm=307; (N) Val=0.18, Plg=13, Azm=187; (P) Val=-7.60, Plg=21, Azm=92; Best double couple: Mo=7.5*10**18 Nm; NP1: Strike=158, Dip=26, Slip=58; NP2: Strike=13, Dip=68, Slip=105. Scalar Moment (PPT): Mo=1.3*10**19 Nm.
20	04	11	04.5	9.454	N	126.334	E	33	N	5.9	1.1	64	MINDANAO, PHILIPPINE ISLANDS. Mw 6.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:11:03.0; Lat 9.45 N Fix; Lon 126.33 E Fix; Dep 15.0 Fix; Half-duration 4.9 sec; Principal axes (scale 10**19 Nm): (T) Val=0.95, Plg=45, Azm=102; (N) Val=0.10, Plg=1, Azm=193; (P) Val=-1.05, Plg=45, Azm=283; Best double couple: Mo=1.0*10**19 Nm; NP1: Strike=105, Dip=1, Slip=-178; NP2: Strike=13, Dip=90, Slip=-89.
20	04	24	54.6	9.495	N	126.384	E	33	N	5.1	0.9	43	MINDANAO, PHILIPPINE ISLANDS
20	04	52	37.2?	9.55	N	126.94	E	33	N		1.0	12	MINDANAO, PHILIPPINE ISLANDS
20	04	53	56.2*	9.418	N	126.509	E	33	N	5.2	1.1	21	MINDANAO, PHILIPPINE ISLANDS
20	05	04	36.1?	50.76	N	96.64	E	33	N		1.4	9	RUSSIA-MONGOLIA BORDER REGION
20	05	30	22.0&	44.267	N	7.127	E	10	G		0.1	5	NORTHERN ITALY. ML 1.6 (GEN).
20	05	47	27.3	43.937	N	7.637	E	10	G		0.8	21	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG), 2.4 (GEN).
20	06	05	46.8*	9.479	N	126.501	E	33	N	5.1	1.1	27	MINDANAO, PHILIPPINE ISLANDS
20	06	34	21.9?	9.60	N	126.69	E	33	N		0.9	11	MINDANAO, PHILIPPINE ISLANDS
20	06	49	15.1&	44.589	N	7.229	E	10	G		0.4	6	NORTHERN ITALY. ML 1.6 (GEN).
20	07	03	03.7*	9.632	N	126.522	E	33	N	4.7	0.9	22	MINDANAO, PHILIPPINE ISLANDS
20	07	05	34.2*	9.567	N	126.622	E	33	N	4.6	0.9	27	MINDANAO, PHILIPPINE ISLANDS
20	07	12	43.6	2.468	N	128.665	E	205	D	5.1	1.2	28	HALMAHERA, INDONESIA
20	07	13	02.3&	37.310	N	121.049	W	0				55	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK).
20	07	46	57.9?	9.58	N	126.15	E	33	N		1.2	11	MINDANAO, PHILIPPINE ISLANDS
20	08	01	10.5*	45.899	N	10.671	E	10	G		1.1	9	NORTHERN ITALY. ML 2.6 (VIE).
20	09	48	01.1	9.595	N	126.555	E	33	N	5.2	1.0	39	MINDANAO, PHILIPPINE ISLANDS
20	09	50	47.4*	9.483	N	126.464	E	33	N	4.9	1.1	21	MINDANAO, PHILIPPINE ISLANDS
20	11	38	02.7*	54.293	N	164.202	W	33	N		1.2	9	UNIMAK ISLAND REGION
20	12	24	42.1	9.446	N	126.544	E	33	N	5.4 6.0	1.3	109	MINDANAO, PHILIPPINE ISLANDS. Mw 6.1 (GS), 6.1 (HRV). Me 5.6 (GS). Ms 6.0 (BRK). Broadband Source Parameters (GS): Radiated energy 6.2*10**12 Nm. Moment Tensor (GS): Dep 7; Principal axes (scale 10**18 Nm): (T) Val=1.84, Plg=45, Azm=316; (N) Val=-0.01, Plg=39, Azm=174; (P) Val=-1.83, Plg=20, Azm=67; Best double couple: Mo=1.8*10**18 Nm; NP1: Strike=113, Dip=43, Slip=22; NP2: Strike=6, Dip=75, Slip=130. Centroid, Moment Tensor (HRV): Centroid origin time 12:24:58.5; Lat 9.52 N; Lon 126.82 E; Dep 15.0 Fix; Half-

duration 2.5 sec; Principal axes (scale 10**18 Nm): (T) Val=1.33, Plg=69, Azm=307; (N) Val=0.10, Plg=14, Azm=179; (P) Val=-1.43, Plg=16, Azm=85; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=155, Dip=31, Slip=63; NP2: Strike=6, Dip=63, Slip=105.
Scalar Moment (PPT): Mo=4.1*10**18 Nm.

20	12	34	04.7	9.463	N	126.566	E	33	N	5.1	0.8	62	MINDANAO, PHILIPPINE ISLANDS
20	12	47	30.8*	9.519	N	126.654	E	33	N	4.7	1.0	25	MINDANAO, PHILIPPINE ISLANDS
20	13	06	36.5*	9.567	N	126.545	E	33	N	5.1	1.0	27	MINDANAO, PHILIPPINE ISLANDS
20	13	21	28.0?	9.44	N	126.77	E	33	N		1.3	14	MINDANAO, PHILIPPINE ISLANDS
20	13	24	42.6*	9.565	N	126.649	E	33	N		0.8	11	MINDANAO, PHILIPPINE ISLANDS
20	13	33	11.6*	9.463	N	126.686	E	33	N	4.7	1.1	20	MINDANAO, PHILIPPINE ISLANDS
20	13	41	25.9?	9.42	N	126.47	E	33	N		1.2	11	MINDANAO, PHILIPPINE ISLANDS
20	13	53	59.1&	33.767	N	118.117	W	13				2	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.5 (PAS). Felt.
20	14	10	47.8*	9.630	N	126.445	E	33	N		0.8	14	MINDANAO, PHILIPPINE ISLANDS
20	14	15	11.2&	9.471	N	126.487	E	33	N		1.0	11	MINDANAO, PHILIPPINE ISLANDS
20	14	36	00.1?	9.75	N	126.56	E	33	N		1.3	12	MINDANAO, PHILIPPINE ISLANDS
20	14	58	20.6	43.948	N	7.629	E	10	G		0.3	12	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG), 2.1 (GEN).
20	14	59	16.0	43.963	N	7.620	E	10	G		0.4	12	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG), 1.9 (GEN).
20	15	18	31.6*	9.660	N	126.729	E	33	N		0.7	10	MINDANAO, PHILIPPINE ISLANDS
20	15	28	27.4?	9.47	N	126.65	E	33	N		0.9	7	MINDANAO, PHILIPPINE ISLANDS
20	15	30	24.7	9.618	N	126.608	E	33	N	5.1	1.0	30	MINDANAO, PHILIPPINE ISLANDS
20	15	37	11.8?	9.55	N	126.51	E	33	N		1.2	7	MINDANAO, PHILIPPINE ISLANDS
20	16	18	31.4*	9.676	N	126.596	E	33	N	4.8	1.1	24	MINDANAO, PHILIPPINE ISLANDS
20	16	34	07.6?	9.69	N	126.65	E	33	N	4.4	1.2	9	MINDANAO, PHILIPPINE ISLANDS
20	16	36	53.8*	51.399	N	175.879	W	33	N		1.1	8	ANDREANOF ISLANDS, ALEUTIAN IS.
20	16	53	44.4*	9.558	N	126.413	E	33	N	4.7	1.2	21	MINDANAO, PHILIPPINE ISLANDS
20	17	01	12.1	9.624	N	126.694	E	33	N	5.1	1.0	29	MINDANAO, PHILIPPINE ISLANDS
20	17	16	50.5	9.444	N	126.459	E	33	N	5.0 5.3	1.0	48	MINDANAO, PHILIPPINE ISLANDS. Mw 5.3 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 17:16:54.3; Lat 9.23 N; Lon 127.03 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=9.35, Plg=69, Azm=250; (N) Val=-0.58, Plg=6, Azm=355; (P) Val=-8.77, Plg=20, Azm=87; Best double couple: Mo=9.1*10**16 Nm; NP1: Strike=187, Dip=25, Slip=103; NP2: Strike=353, Dip=65, Slip=84.

20	17	30	03.4*	43.139	N	146.868	E	33	N	4.4	1.0	17	KURIL ISLANDS
20	17	31	55.9*	8.801	N	126.628	E	33	N	4.9	1.1	24	MINDANAO, PHILIPPINE ISLANDS
20	17	37	06.3*	53.083	S	9.696	E	10	G	5.6	1.4	67	SOUTHWEST OF AFRICA. Mw 5.8 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 17:37:10.4; Lat 53.04 S; Lon 9.89 E; Dep 15.0 Fix; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=7.60, Plg=10, Azm=0; (N) Val=-3.56, Plg=16, Azm=267; (P) Val=-4.04, Plg=71, Azm=122; Best double couple: Mo=5.8*10**17 Nm; NP1: Strike=109, Dip=37, Slip=-63; NP2: Strike=256, Dip=57, Slip=-109.

20	17	37	27.2	46.126	N	6.796	E	10	G		1.1	56	SWITZERLAND. ML 3.1 (LDG), 3.0 (STR), 2.7 (VIE).
20	17	53	03.6*	9.683	N	126.257	E	33	N	4.9	1.0	24	MINDANAO, PHILIPPINE ISLANDS
20	18	02	05.5*	9.591	N	126.527	E	33	N		0.6	17	MINDANAO, PHILIPPINE ISLANDS
20	18	05	03.8*	9.770	N	126.595	E	33	N	4.6	0.9	22	MINDANAO, PHILIPPINE ISLANDS
20	18	08	47.9*	56.479	N	156.255	W	57	D		1.3	22	ALASKA PENINSULA
20	18	16	28.5	9.661	N	126.430	E	33	N	5.2	0.9	33	MINDANAO, PHILIPPINE ISLANDS
20	18	23	31.5*	9.662	N	126.559	E	33	N	5.0	1.3	31	MINDANAO, PHILIPPINE ISLANDS
20	18	27	47.7?	9.55	N	126.70	E	33	N		0.5	10	MINDANAO, PHILIPPINE ISLANDS
20	18	51	09.7	9.698	N	126.418	E	33	N	4.8	1.1	44	MINDANAO, PHILIPPINE ISLANDS
20	18	53	45.2*	9.960	N	126.806	E	33	N	5.0	1.1	17	MINDANAO, PHILIPPINE ISLANDS
20	19	19	50.7*	9.456	N	126.655	E	33	N		0.9	14	MINDANAO, PHILIPPINE ISLANDS
20	19	24	57.3	9.570	N	126.643	E	33	N	5.5 5.6	1.1	98	MINDANAO, PHILIPPINE ISLANDS. Mw 5.8 (GS), 5.8 (HRV).

Moment Tensor (GS): Dep 12; Principal axes (scale 10**17 Nm): (T) Val=5.85, Plg=47, Azm=318; (N) Val=-0.08, Plg=36, Azm=176; (P) Val=-5.77, Plg=20, Azm=71; Best double couple: Mo=5.8*10**17 Nm; NP1: Strike=118, Dip=41, Slip=25; NP2: Strike=8, Dip=74, Slip=128.

Centroid, Moment Tensor (HRV): Centroid origin time 19:25:01.9; Lat 9.46 N; Lon 127.02 E; Dep 15.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=5.29, Plg=71, Azm=267; (N) Val=0.64, Plg=1, Azm=0; (P) Val=-5.93, Plg=19, Azm=90; Best double couple: Mo=5.6*10**17 Nm; NP1: Strike=182, Dip=26, Slip=93; NP2: Strike=359, Dip=64, Slip=89.

20	19	30	41.5*	9.581	N	126.610	E	33	N		1.0	18	MINDANAO, PHILIPPINE ISLANDS
20	19	33	15.1	9.383	N	126.430	E	33	N	5.0	1.1	41	MINDANAO, PHILIPPINE ISLANDS
20	19	38	59.2	9.740	N	126.512	E	33	N	5.1	0.9	38	MINDANAO, PHILIPPINE ISLANDS
20	19	47	28.8?	9.62	N	126.79	E	33	N		0.5	10	MINDANAO, PHILIPPINE ISLANDS
20	19	52	24.7*	9.320	N	126.310	E	33	N		0.9	11	MINDANAO, PHILIPPINE ISLANDS
20	19	59	33.9	43.345	N	1.589	W	10	G		1.2	39	PYRENEES. ML 3.1 (LDG), 2.9 (STR). mbLg 2.9 (MDD).
20	20	16	18.9*	9.567	N	126.837	E	33	N	5.0	1.3	34	MINDANAO, PHILIPPINE ISLANDS
20	20	26	24.1*	9.656	N	126.587	E	33	N	4.9	1.3	21	MINDANAO, PHILIPPINE ISLANDS
20	20	34	44.9?	17.63	S	178.49	W	600	G	4.7	1.2	16	FIJI ISLANDS REGION
20	20	38	23.2?	83.48	N	0.82	W	10	G	4.2	1.1	11	NORTH OF SVALBARD
20	20	44	49.5?	9.44	N	126.43	E	33	N		0.9	8	MINDANAO, PHILIPPINE ISLANDS
20	20	48	30.4?	9.67	N	126.71	E	33	N		1.0	10	MINDANAO, PHILIPPINE ISLANDS
20	20	53	36.9?	9.26	N	126.81	E	33	N		0.5	9	MINDANAO, PHILIPPINE ISLANDS
20	21	25	20.4	9.552	N	126.529	E	33	N	5.2 5.7	1.1	62	MINDANAO, PHILIPPINE ISLANDS
20	21	38	19.3	9.683	N	126.701	E	33	N	5.1	1.2	43	MINDANAO, PHILIPPINE ISLANDS
20	21	47	58.1*	9.610	N	126.552	E	33	N	5.1	0.8	24	MINDANAO, PHILIPPINE ISLANDS
20	21	58	33.1?	32.46	N	49.96	E	33	N	3.9	1.1	11	WESTERN IRAN
20	21	58	51.9	9.669	N	126.545	E	33	N	5.2	0.9	29	MINDANAO, PHILIPPINE ISLANDS
20	22	05	22.6	44.559	N	7.298	E	10	G		0.5	19	NORTHERN ITALY. ML 2.4 (GEN), 2.1 (LDG).
20	22	16	26.4*	9.572	N	126.523	E	33	N	4.7	1.0	28	MINDANAO, PHILIPPINE ISLANDS
20	22	20	57.4*	17.173	N	101.520	W	33	N	4.9	1.4	21	NEAR COAST OF GUERRERO, MEXICO
20	22	34	27.5*	51.608	N	174.732	W	33	N		1.2	14	ANDREANOF ISLANDS, ALEUTIAN IS.
20	23	08	17.4	51.678	N	16.123	E	10	G		0.9	16	POLAND. ML 3.1 (MOX).

20	23	08	57.8*	5.869	S	147.512	E	33	N	4.4	0.9	13	EASTERN NEW GUINEA REG., P.N.G.
20	23	35	48.1*	6.901	S	106.275	E	33	N		0.6	10	JAWA, INDONESIA
20	23	44	29.7*	43.491	S	16.030	W	10	G		1.5	12	SOUTHERN MID-ATLANTIC RIDGE
20	23	51	58.1?	43.61	S	16.26	W	10	G	5.2	1.4	15	SOUTHERN MID-ATLANTIC RIDGE
20	23	57	51.4*	9.712	N	126.468	E	33	N	4.5	0.6	18	MINDANAO, PHILIPPINE ISLANDS
21	00	05	54.4*	43.701	S	16.096	W	10	G	5.0	1.3	21	SOUTHERN MID-ATLANTIC RIDGE
21	00	09	21.9?	24.19	N	93.90	E	100	G	4.0	0.9	10	MYANMAR-INDIA BORDER REGION
21	00	40	30.2	9.520	N	126.668	E	33	N	5.1 5.2	1.2	80	MINDANAO, PHILIPPINE ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:40:32.3; Lat 9.03 N; Lon 127.02 E; Dep 37.1; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.91, Plg=72, Azm=198; (N) Val=0.10, Plg=17, Azm=354; (P) Val=-1.01, Plg=7, Azm=86; Best double couple: Mo=9.6*10**16 Nm; NP1: Strike=194, Dip=41, Slip=116; NP2: Strike=341, Dip=54, Slip=69.
21	01	01	20.6	9.706	N	126.497	E	33	N	4.7	1.0	33	MINDANAO, PHILIPPINE ISLANDS
21	01	04	24.1	9.562	N	126.530	E	33	N	5.0	1.1	48	MINDANAO, PHILIPPINE ISLANDS
21	01	23	33.3	6.155	S	146.174	E	10	G	5.7 5.8	1.2	113	EASTERN NEW GUINEA REG., P.N.G. Mw 5.9 (GS), 5.8 (HRV). Ms 5.9 (BRK). Moment Tensor (GS): Dep 6; Principal axes (scale 10**17 Nm): (T) Val=7.64, Plg=52, Azm=36; (N) Val=0.00, Plg=14, Azm=288; (P) Val=-7.64, Plg=35, Azm=188; Best double couple: Mo=7.6*10**17 Nm; NP1: Strike=232, Dip=16, Slip=33; NP2: Strike=110, Dip=81, Slip=104. Centroid, Moment Tensor (HRV): Centroid origin time 01:23:39.9; Lat 6.49 S; Lon 146.57 E; Dep 15.0 Fix; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=5.31, Plg=71, Azm=39; (N) Val=-0.04, Plg=4, Azm=297; (P) Val=-5.28, Plg=18, Azm=205; Best double couple: Mo=5.3*10**17 Nm; NP1: Strike=289, Dip=27, Slip=81; NP2: Strike=119, Dip=64, Slip=95.
21	01	24	00.0&	35.700	N	84.000	W	5	G			3	TENNESSEE. <MACRO>. mbLg 2.0 (GS). Felt at Maryvale.
21	01	31	11.5?	9.45	N	126.23	E	33	N	4.5	1.0	10	MINDANAO, PHILIPPINE ISLANDS
21	01	34	30.5	42.837	N	17.795	E	10	G	4.2	1.2	96	ADRIATIC SEA. ML 4.5 (LJU), 4.0 (ROM). Additional damage in the Slano and Ston areas, Croatia.
21	01	35	35.3*	9.718	N	126.444	E	33	N	4.9	0.9	29	MINDANAO, PHILIPPINE ISLANDS
21	01	56	28.9?	8.48	S	122.49	E	33	N	4.1	0.9	12	FLORES REGION, INDONESIA
21	01	58	12.3*	9.494	N	126.169	E	33	N	4.6	1.1	16	MINDANAO, PHILIPPINE ISLANDS
21	02	12	57.0*	65.006	N	133.956	W	10	G		0.9	7	NORTHERN YUKON TERRITORY, CANADA
21	02	21	43.6*	24.844	N	125.012	E	33	N	4.1	0.6	10	SOUTHWESTERN RYUKYU ISLANDS
21	02	45	56.8?	9.56	N	126.34	E	33	N	4.6	0.8	14	MINDANAO, PHILIPPINE ISLANDS
21	02	53	18.6	18.999	S	67.531	W	224	D	5.0	1.1	165	CENTRAL BOLIVIA. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:53:22.5; Lat 18.76 S; Lon 67.22 W; Dep 215.5; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=4.25, Plg=21, Azm=118; (N) Val=-0.34, Plg=58, Azm=350; (P) Val=-3.90, Plg=23, Azm=218; Best double couple: Mo=4.1*10**17 Nm; NP1: Strike=258, Dip=58, Slip=-1; NP2: Strike=348, Dip=89, Slip=-148.
21	03	01	37.5?	9.81	N	126.87	E	33	N	4.4	1.3	15	MINDANAO, PHILIPPINE ISLANDS
21	03	06	12.3&	36.741	N	5.817	W	10	G		0.9	7	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
21	03	07	49.6	9.632	N	126.494	E	33	N	5.0	1.0	37	MINDANAO, PHILIPPINE ISLANDS
21	03	16	49.8	9.789	N	126.541	E	33	N	5.0	0.8	41	MINDANAO, PHILIPPINE ISLANDS
21	03	27	56.6	9.695	N	126.549	E	33	N	5.3	1.0	67	MINDANAO, PHILIPPINE ISLANDS
21	03	34	22.9	38.884	N	28.084	E	10	G	4.1	1.1	26	TURKEY
21	03	37	58.5	9.660	N	126.529	E	33	N	5.2 4.9	1.1	66	MINDANAO, PHILIPPINE ISLANDS
21	03	43	50.7?	9.66	N	126.88	E	33	N	4.5	1.3	16	MINDANAO, PHILIPPINE ISLANDS
21	04	06	01.1?	9.47	N	126.62	E	33	N	4.5	1.1	16	MINDANAO, PHILIPPINE ISLANDS
21	04	06	14.9*	51.387	N	174.840	W	33	N	4.1	0.9	19	ANDREANOF ISLANDS, ALEUTIAN IS.
21	04	10	37.9&	65.902	N	149.894	W	30				19	NORTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
21	04	32	26.7	55.968	S	24.721	W	51	D	5.1	0.8	34	SOUTH SANDWICH ISLANDS REGION
21	04	46	46.8*	32.458	N	141.520	E	51	D	4.7	1.0	19	SOUTH OF HONSHU, JAPAN
21	05	16	17.3*	51.652	N	174.704	W	33	N		0.8	14	ANDREANOF ISLANDS, ALEUTIAN IS.
21	05	18	49.4?	50.99	N	174.87	W	33	N		1.4	7	ANDREANOF ISLANDS, ALEUTIAN IS.
21	05	36	13.8	1.124	N	120.466	E	44	?	5.1	1.2	32	MINAHASSA PENINSULA, SULAWESI
21	07	10	54.3	42.695	N	17.877	E	10	G	4.0	1.2	37	ADRIATIC SEA. ML 3.9 (VIE).
21	08	27	55.9	31.025	N	141.331	E	33	N	4.6	0.6	17	SOUTH OF HONSHU, JAPAN
21	08	51	52.1*	36.185	N	70.837	E	139	*		1.0	16	HINDU KUSH REGION, AFGHANISTAN
21	10	36	05.9	9.662	N	126.512	E	33	N	5.1	1.1	45	MINDANAO, PHILIPPINE ISLANDS
21	10	38	27.7?	6.34	S	146.47	E	33	N	4.5	1.5	7	EASTERN NEW GUINEA REG., P.N.G.
21	11	00	32.0&	37.074	N	139.371	E	10	G		1.0	5	EASTERN HONSHU, JAPAN
21	11	32	32.0?	32.43	S	71.14	W	60	G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 2.8 (SAN).
21	11	34	19.4	9.656	N	126.486	E	33	N	5.0	1.0	44	MINDANAO, PHILIPPINE ISLANDS
21	11	54	59.2	9.313	N	126.609	E	33	N	4.8	0.9	34	MINDANAO, PHILIPPINE ISLANDS
21	12	00	05.2?	10.99	S	74.42	W	150	G	4.6	0.5	11	CENTRAL PERU
21	12	01	25.8&	43.916	N	7.561	E	10	G		1.1	5	NEAR SOUTH COAST OF FRANCE. ML 1.5 (GEN).
21	12	05	50.9	53.827	N	167.131	W	100		4.7	0.8	92	FOX ISLANDS, ALEUTIAN ISLANDS. Felt slightly at Unalaska.
21	12	14	56.6?	36.49	N	140.96	E	33	N		0.4	6	NEAR EAST COAST OF HONSHU, JAPAN
21	12	18	32.5*	9.669	N	126.485	E	33	N	4.8	1.1	32	MINDANAO, PHILIPPINE ISLANDS
21	12	54	11.9*	47.075	N	144.593	E	400	G	4.0	0.8	12	SEA OF OKHOTSK
21	13	50	04.6?	6.53	S	146.09	E	33	N	4.0	1.5	9	EASTERN NEW GUINEA REG., P.N.G.
21	14	03	33.8?	42.69	N	17.95	E	10	G		1.4	12	ADRIATIC SEA
21	14	18	44.9?	8.45	S	130.30	E	100	G	4.2	1.5	8	TANIMBAR ISLANDS REG., INDONESIA
21	15	41	21.6	21.841	N	121.593	E	33	N	4.9	0.9	38	TAIWAN REGION
21	16	21	25.4*	9.688	N	126.560	E	33	N	4.5	1.1	20	MINDANAO, PHILIPPINE ISLANDS
21	16	47	04.2*	9.434	N	126.685	E	33	N	4.5	0.8	23	MINDANAO, PHILIPPINE ISLANDS
21	16	57	04.2*	21.799	N	121.413	E	33	N	4.3	0.9	17	TAIWAN REGION
21	17	04	20.6	5.847	N	95.166	E	33	N	4.9 4.7	1.1	45	NORTHERN SUMATERA, INDONESIA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:04:21.9; Lat 5.85 N; Lon 95.38 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.96, Plg=33, Azm=273; (N) Val=-0.76, Plg=40, Azm=150; (P) Val=-6.20, Plg=32, Azm=28; Best double couple:

Mo=6.6*10**16 Nm; NP1: Strike=61, Dip=40, Slip=1; NP2: Strike=330, Dip=89, Slip=130.

21	17	07	08.4*	5.754	N	95.004	E	33	N	4.6		1.2	13	NORTHERN SUMATERA, INDONESIA
21	17	23	16.8*	39.672	N	144.668	E	33	N			1.0	15	OFF EAST COAST OF HONSHU, JAPAN
21	17	38	13.8*	9.507	N	127.017	E	33	N	4.1		0.7	13	PHILIPPINE ISLANDS REGION
21	17	43	17.4?	36.77	N	2.97	W	10	G			0.1	4	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
21	18	17	22.4	9.360	N	126.593	E	33	N	5.3	5.2	1.0	101	MINDANAO, PHILIPPINE ISLANDS. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:17:25.6; Lat 9.29 N; Lon 126.96 E; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.76, Plg=73, Azm=261; (N) Val=0.10, Plg=3, Azm=0; (P) Val=-2.86, Plg=17, Azm=91; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=185, Dip=28, Slip=96; NP2: Strike=358, Dip=62, Slip=87.
21	18	52	52.6*	9.397	N	126.931	E	33	N	4.4		0.7	15	MINDANAO, PHILIPPINE ISLANDS
21	19	25	59.4	51.640	N	16.261	E	5	G			1.1	13	POLAND. ML 2.7 (MOX).
21	19	36	23.8?	51.84	N	174.85	W	33	N			1.2	5	ANDREANOF ISLANDS, ALEUTIAN IS.
21	19	55	29.5?	9.38	N	126.74	E	33	N	4.4		1.4	13	MINDANAO, PHILIPPINE ISLANDS
21	20	37	04.0*	9.293	N	126.494	E	33	N	4.5		1.3	19	MINDANAO, PHILIPPINE ISLANDS
21	20	54	13.3*	9.795	N	126.709	E	33	N	4.6		0.8	16	MINDANAO, PHILIPPINE ISLANDS
21	21	18	42.7*	6.267	S	146.236	E	33	N	4.5		0.6	17	EASTERN NEW GUINEA REG., P.N.G.
21	21	18	55.3*	9.505	N	127.025	E	33	N			1.0	10	PHILIPPINE ISLANDS REGION
21	21	35	25.2*	6.222	S	146.344	E	33	N	4.6		1.4	23	EASTERN NEW GUINEA REG., P.N.G.
21	21	54	19.0*	9.640	N	126.452	E	33	N	4.8		1.0	25	MINDANAO, PHILIPPINE ISLANDS
21	22	15	00.3?	6.49	S	129.98	E	150	G	4.0		1.4	6	BANDA SEA
21	22	27	41.6	42.868	N	17.694	E	10	G			1.1	64	ADRIATIC SEA. ML 3.6 (ROM).
21	22	38	54.4	6.203	S	146.212	E	33	N	5.0		0.7	42	EASTERN NEW GUINEA REG., P.N.G.
21	22	53	16.3	26.456	N	128.938	E	33		4.0		0.8	22	RYUKYU ISLANDS
21	23	34	46.7?	5.09	S	102.74	E	33	N	4.7		1.4	19	SOUTHERN SUMATERA, INDONESIA
21	23	40	15.1	17.550	S	178.835	W	533	D	4.6		0.9	97	FIJI ISLANDS REGION
22	00	35	17.2?	5.71	S	133.57	E	33	N	3.9		1.7	7	ARU ISLANDS REGION, INDONESIA
22	00	51	54.3*	9.604	N	126.456	E	33	N	4.4		1.0	23	MINDANAO, PHILIPPINE ISLANDS
22	02	21	33.3	15.903	S	71.727	W	140	D	5.0		0.9	76	SOUTHERN PERU. Felt (II) at Arequipa.
22	02	29	07.6	34.040	N	140.627	E	55		5.5	4.7	1.0	228	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:29:11.0; Lat 33.87 N Fix; Lon 140.05 E Fix; Dep 51.2; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=4.98, Plg=35, Azm=215; (N) Val=4.05, Plg=20, Azm=319; (P) Val=-9.02, Plg=48, Azm=73; Best double couple: Mo=7.0*10**16 Nm; NP1: Strike=250, Dip=21, Slip=-160; NP2: Strike=142, Dip=83, Slip=-70.
22	03	23	13.0?	21.41	S	174.37	W	33	N	4.5		0.7	12	TONGA ISLANDS
22	04	08	11.3	42.732	N	17.735	E	10	G			1.1	33	ADRIATIC SEA
22	05	24	58.2%	44.557	N	7.482	E	10	G			0.5	7	NORTHERN ITALY. ML 1.8 (GEN).
22	06	11	22.7*	9.537	N	126.843	E	33	N	4.5		1.4	20	MINDANAO, PHILIPPINE ISLANDS
22	06	52	58.8*	5.764	S	127.957	E	365	?	4.7		0.9	18	BANDA SEA
22	08	05	04.3?	9.41	N	126.62	E	33	N	4.4		1.1	11	MINDANAO, PHILIPPINE ISLANDS
22	08	05	24.8?	34.52	N	24.64	E	33	N			1.1	11	CRETE
22	08	12	37.8	32.143	N	137.776	E	387		3.9		0.9	33	SOUTH OF HONSHU, JAPAN
22	08	18	30.9?	9.74	N	126.94	E	33	N	4.9		1.4	18	MINDANAO, PHILIPPINE ISLANDS
22	08	25	19.4&	59.890	N	153.392	W	127					51	SOUTHERN ALASKA. <AEIC>.
22	08	29	03.0?	9.68	N	126.51	E	33	N	4.1		0.9	14	MINDANAO, PHILIPPINE ISLANDS
22	08	45	54.0?	34.49	S	70.40	W	10	G			0.1	6	CHILE-ARGENTINA BORDER REGION
22	09	04	50.0*	9.195	N	126.457	E	33	N	4.6		1.1	23	MINDANAO, PHILIPPINE ISLANDS
22	09	06	45.6	12.008	N	143.399	E	33	N	5.1	4.5	1.0	71	SOUTH OF MARIANA ISLANDS
22	09	49	50.1?	16.99	N	100.57	W	33	N			1.5	8	NEAR COAST OF GUERRERO, MEXICO
22	09	56	39.9?	22.76	S	178.96	E	600	G	4.2		1.1	17	SOUTH OF FIJI ISLANDS
22	09	57	38.2&	62.953	N	151.080	W	113					23	CENTRAL ALASKA. <AEIC>.
22	10	43	25.2	9.476	N	126.831	E	33	N	5.1	5.0	1.1	67	MINDANAO, PHILIPPINE ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:43:28.5; Lat 9.47 N; Lon 126.94 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.39, Plg=66, Azm=304; (N) Val=-0.24, Plg=16, Azm=175; (P) Val=-1.15, Plg=18, Azm=79; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=146, Dip=31, Slip=57; NP2: Strike=3, Dip=65, Slip=108.
22	11	18	42.1&	36.641	N	121.256	W	8					45	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
22	11	22	02.5%	10.862	N	124.887	E	33	N			0.9	19	LEYTE, PHILIPPINE ISLANDS
22	12	01	54.9%	34.042	S	70.967	W	70	G			0.2	8	CHILE-ARGENTINA BORDER REGION
22	12	04	41.2	23.253	N	143.671	E	33	N	4.5		0.9	42	VOLCANO ISLANDS REGION
22	12	24	48.0*	9.317	N	126.588	E	33	N	4.4		1.0	22	MINDANAO, PHILIPPINE ISLANDS
22	12	31	01.8?	9.39	N	127.32	E	33	N	4.3		1.0	10	PHILIPPINE ISLANDS REGION
22	13	42	09.8	13.267	N	89.684	W	33	N	4.8	4.3	1.3	96	EL SALVADOR
22	13	47	20.1	43.611	N	8.965	E	5	G			0.6	15	CORSICA. ML 2.5 (LDG), 2.4 (GEN).
22	14	05	26.4	9.567	N	126.530	E	33	N	5.0	4.9	1.2	58	MINDANAO, PHILIPPINE ISLANDS
22	14	35	21.7*	2.911	N	127.142	E	33	N	4.4		1.0	14	NORTHERN MOLUCCA SEA
22	14	37	00.1	2.993	N	126.849	E	33	N	4.3		0.5	15	NORTHERN MOLUCCA SEA
22	14	41	42.9*	9.648	N	126.605	E	33	N	4.5		0.7	19	MINDANAO, PHILIPPINE ISLANDS
22	15	40	01.4?	34.44	S	70.65	W	100	G			0.1	7	CHILE-ARGENTINA BORDER REGION
22	15	58	55.7?	4.24	S	147.82	E	33	N	4.1		1.2	11	BISMARCK SEA
22	16	01	58.2*	12.761	N	143.975	E	100	G	4.7		1.1	21	SOUTH OF MARIANA ISLANDS
22	16	08	24.0*	3.607	N	96.152	E	33	N	4.5		1.2	25	NORTHERN SUMATERA, INDONESIA
22	17	16	39.3?	20.05	S	178.41	W	600	G	4.2		0.9	8	FIJI ISLANDS REGION
22	17	16	56.0%	33.658	S	71.018	W	70	G			1.1	9	NEAR COAST OF CENTRAL CHILE
22	17	57	30.5&	60.391	N	153.276	W	147					91	SOUTHERN ALASKA. <AEIC>.
22	18	03	42.7?	5.69	N	124.98	E	207	?	4.2		1.3	15	MINDANAO, PHILIPPINE ISLANDS
22	18	18	15.9	44.180	N	10.191	E	15	G			0.7	12	NORTHERN ITALY. ML 2.5 (GEN), 2.3 (LDG).
22	18	54	26.0?	37.32	S	16.91	W	10	G	4.7		1.1	9	SOUTHERN MID-ATLANTIC RIDGE
22	19	49	58.8%	59.045	N	166.854	E	10	G			0.9	8	EASTERN SIBERIA, RUSSIA
22	19	55	29.6	15.028	N	90.986	W	204	D	4.7		1.0	178	GUATEMALA
22	20	05	21.6?	19.89	S	178.02	W	600	G	4.2		0.8	16	FIJI ISLANDS REGION
22	20	31	13.9?	9.44	N	126.02	E	33	N	4.3		1.1	13	MINDANAO, PHILIPPINE ISLANDS
22	21	01	56.5?	2.98	N	127.40	E	33	N	3.6		0.6	7	NORTHERN MOLUCCA SEA

22	21	53	18.7?	22.52	S	67.90	W	148	?	4.1		0.8	13	CHILE-BOLIVIA BORDER REGION
22	22	00	45.6?	17.74	S	178.09	W	600	G	4.2		0.5	9	FIJI ISLANDS REGION
22	22	05	29.7?	9.58	N	126.62	E	33	N	4.4		1.2	18	MINDANAO, PHILIPPINE ISLANDS
22	22	10	39.9*	9.471	S	112.806	E	45	?	4.0		0.7	8	SOUTH OF JAWA, INDONESIA
22	23	22	44.8*	21.503	N	121.295	E	33	N	4.5		1.1	15	TAIWAN REGION
23	00	16	26.9*	21.775	N	121.405	E	33	N	4.3		0.8	13	TAIWAN REGION
23	00	24	57.2	9.320	N	126.653	E	33	N	4.7		1.1	39	MINDANAO, PHILIPPINE ISLANDS
23	00	38	06.5*	9.293	N	126.568	E	33	N	4.7		1.2	23	MINDANAO, PHILIPPINE ISLANDS
23	00	48	32.3*	18.179	S	66.035	W	250	G	4.1		1.4	12	CENTRAL BOLIVIA
23	01	06	37.9?	24.58	S	179.74	E	500	G	4.4		0.8	16	SOUTH OF FIJI ISLANDS
23	01	15	05.2*	2.225	S	67.817	E	10	G			0.9	12	CARLSBERG RIDGE
23	02	15	13.3*	9.299	N	126.612	E	33	N	4.8	4.7	1.2	32	MINDANAO, PHILIPPINE ISLANDS
23	02	30	37.2?	9.22	N	126.45	E	33	N	4.3		1.4	12	MINDANAO, PHILIPPINE ISLANDS
23	03	05	30.8*	10.627	N	92.981	E	33	N			1.1	11	ANDAMAN ISLANDS, INDIA
23	03	19	58.7	12.576	S	119.934	E	33	N	4.5		1.4	17	SOUTH OF SUMBA, INDONESIA
23	03	47	15.5&	61.152	N	151.617	W	77					66	SOUTHERN ALASKA. <AEIC>.
23	03	49	08.2*	15.433	N	120.213	E	33	N			0.7	11	LUZON, PHILIPPINE ISLANDS
23	04	41	59.5?	1.81	S	100.08	E	33	N	4.7		1.5	16	SOUTHERN SUMATERA, INDONESIA
23	05	31	51.2*	42.349	N	2.703	E	10	G			1.1	6	PYRENEES. ML 3.5 (STR), 2.9 (LDG).
23	05	45	51.2*	9.692	N	126.494	E	33	N	4.4		1.2	17	MINDANAO, PHILIPPINE ISLANDS
23	06	40	04.8	3.553	S	151.699	E	400	G	4.7		0.9	82	NEW IRELAND REGION, P.N.G.
23	07	40	04.4*	9.500	N	126.525	E	33	N	4.6		0.9	11	MINDANAO, PHILIPPINE ISLANDS
23	07	54	46.6?	36.30	N	71.28	E	100	G			0.7	9	AFGHANISTAN-TAJIKISTAN BORD REG.
23	08	07	54.5&	63.276	N	151.070	W	13					65	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC).
23	08	41	28.5*	9.367	N	126.648	E	33	N	4.6		0.9	26	MINDANAO, PHILIPPINE ISLANDS
23	09	36	11.6	9.527	N	126.525	E	33	N	4.9		0.8	33	MINDANAO, PHILIPPINE ISLANDS
23	10	32	57.2*	0.176	N	121.855	E	176	?	4.6		0.8	21	MINAHASSA PENINSULA, SULAWESI
23	10	48	09.2&	29.035	N	130.204	E	33	N			0.5	6	RYUKYU ISLANDS
23	11	07	55.0	1.008	N	120.062	E	33	N	4.9		0.8	25	MINAHASSA PENINSULA, SULAWESI
23	11	13	12.3*	33.416	N	75.533	E	33	N			0.7	6	EASTERN KASHMIR
23	11	21	04.9?	9.94	S	125.06	E	33	N	4.2		1.5	9	TIMOR REGION, INDONESIA
23	12	09	49.4&	36.908	N	2.191	W	10	G			1.2	7	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
23	12	33	00.1*	9.539	N	126.481	E	33	N	4.5		1.0	20	MINDANAO, PHILIPPINE ISLANDS
23	13	51	39.4&	32.336	N	88.660	E	33	N			0.8	13	XIZANG
23	14	16	13.5&	35.447	N	117.037	W	6	G				5	CENTRAL CALIFORNIA. <PAS-P>. MD 2.8 (PAS).
23	14	29	46.9	2.082	S	99.600	E	33	N	4.9	4.6	1.1	40	SOUTHERN SUMATERA, INDONESIA
23	14	30	52.5*	10.633	N	126.208	E	33	N	4.9		1.1	23	PHILIPPINE ISLANDS REGION
23	14	39	03.3*	14.102	N	145.686	E	100	G	4.1		1.2	12	MARIANA ISLANDS
23	14	48	19.2&	34.024	S	71.445	W	50	G			0.3	9	NEAR COAST OF CENTRAL CHILE
23	14	56	47.5	44.510	N	148.233	E	33	N	4.8		0.9	45	KURIL ISLANDS
23	15	12	10.4*	7.039	S	130.289	E	33	N	4.8		0.9	8	TANIMBAR ISLANDS REG., INDONESIA
23	15	20	32.3?	34.86	S	110.99	W	10	G	4.8	4.8	1.4	20	SOUTHERN EAST PACIFIC RISE
23	15	23	56.6*	24.345	N	123.260	E	33	N	4.4		0.8	8	SOUTHWESTERN RYUKYU ISLANDS
23	15	29	15.9*	24.709	N	123.472	E	33	N	4.5		1.3	11	SOUTHWESTERN RYUKYU ISLANDS
23	15	32	15.7*	1.920	S	99.770	E	33	N	4.2		0.8	16	SOUTHERN SUMATERA, INDONESIA
23	15	55	25.0&	60.058	N	152.653	W	108					100	SOUTHERN ALASKA. <AEIC>.
23	20	23	58.4*	2.979	N	126.837	E	33	N	4.4		1.1	20	NORTHERN MOLUCCA SEA
23	20	34	16.7*	9.914	N	126.364	E	33	N	4.8		1.0	20	MINDANAO, PHILIPPINE ISLANDS
23	20	49	27.5*	17.489	S	179.186	W	600	G	4.5		0.6	18	FIJI ISLANDS REGION
23	20	50	31.9*	11.866	S	117.313	E	33	N	4.2		1.5	7	SOUTH OF SUMBAWA, INDONESIA
23	20	59	40.9	50.577	N	89.779	E	33	N	4.8		0.8	16	RUSSIA-MONGOLIA BORDER REGION
23	21	30	46.5	2.987	N	126.961	E	33	N	5.0		1.1	47	NORTHERN MOLUCCA SEA
23	21	40	17.8*	43.821	N	15.377	E	10	G			1.2	27	ADRIATIC SEA. ML 3.5 (VIE). Felt at Biograd and Zadar, Croatia.
24	00	27	51.9	24.941	N	123.478	E	25	D	5.3	5.4	1.4	46	SOUTHWESTERN RYUKYU ISLANDS. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:28:01.9; Lat 25.05 N; Lon 123.33 E; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.52, Plg=6, Azm=357; (N) Val=-0.47, Plg=10, Azm=266; (P) Val=-3.06, Plg=78, Azm=118; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=98, Dip=40, Slip=-74; NP2: Strike=258, Dip=52, Slip=-103.
24	00	30	50.4&	62.350	N	152.734	W	158					108	CENTRAL ALASKA. <AEIC>.
24	00	54	29.3*	24.941	N	123.444	E	33	N	4.6		1.0	12	SOUTHWESTERN RYUKYU ISLANDS
24	01	10	47.5*	4.855	S	138.609	E	33	N	4.6		1.2	13	IRIAN JAYA, INDONESIA
24	01	26	59.5*	37.393	S	138.776	E	10	G	4.7		1.2	9	OFF SOUTH COAST OF AUSTRALIA
24	01	30	27.4	24.937	N	123.464	E	33	N	4.9		0.9	24	SOUTHWESTERN RYUKYU ISLANDS
24	02	45	20.4	43.958	N	15.544	E	10	G			1.1	43	ADRIATIC SEA. ML 3.3 (ROM). Felt at Biograd, Croatia.
24	03	28	01.8*	23.342	N	88.586	E	36	D	4.6		1.5	15	INDIA-BANGLADESH BORDER REGION
24	04	20	12.8*	9.765	N	126.549	E	33	N	4.5		1.0	24	MINDANAO, PHILIPPINE ISLANDS
24	04	26	26.5*	9.688	N	126.472	E	33	N			0.5	8	MINDANAO, PHILIPPINE ISLANDS
24	04	41	16.5*	19.715	S	178.518	W	600	G	4.8		0.9	19	FIJI ISLANDS REGION
24	04	42	41.0&	40.794	N	123.718	W	34					31	NORTHERN CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.4 (BRK), 3.4 (GS). Felt in the Arcata-Eureka area.
24	06	02	23.5&	72.799	N	5.728	E	10	G			0.9	6	NORWEGIAN SEA
24	07	32	42.7*	6.539	S	103.843	E	55	D	4.2		0.9	10	SOUTHWEST OF SUMATERA, INDONESIA
24	07	49	39.9?	36.12	S	178.69	E	200	G	4.3		1.1	12	OFF E. COAST OF N. ISLAND, N.Z.
24	08	34	28.7?	9.48	N	126.90	E	33	N	4.3		0.8	13	MINDANAO, PHILIPPINE ISLANDS
24	09	30	05.8&	45.760	N	26.792	E	120	G			0.6	6	ROMANIA
24	09	46	16.6?	22.26	S	178.23	W	400	G	4.0		0.6	14	SOUTH OF FIJI ISLANDS
24	10	46	56.6*	43.171	N	126.177	W	10	G			0.7	54	OFF COAST OF OREGON
24	11	42	18.8	15.191	N	61.443	W	147	D	6.0		0.7	417	LEEWARD ISLANDS. Mw 5.8 (GS), 5.7 (HRV). mb 5.7 (BRK). Moment Tensor (GS): Dep 136; Principal axes (scale 10**17 Nm): (T) Val=6.58, Plg=11, Azm=163; (N) Val=-1.72, Plg=42, Azm=263; (P) Val=-4.86, Plg=46, Azm=62; Best double couple: Mo=5.7*10**17 Nm; NP1: Strike=214, Dip=50, Slip=-151; NP2: Strike=105, Dip=68, Slip=-43. Centroid, Moment Tensor (HRV): Centroid origin time 11:42:23.4; Lat 15.39 N; Lon 61.22 W; Dep 138.7; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.72, Plg=9, Azm=157; (N) Val=-0.29, Plg=24, Azm=251; (P) Val=-3.43, Plg=65, Azm=47; Best double couple: Mo=3.6*10**17 Nm; NP1: Strike=221, Dip=41, Slip=-127; NP2:

Strike=86, Dip=58, Slip=-62.

24	11	44	45.8*	9.534	N	126.578	E	33	N	4.6	1.1	28	MINDANAO, PHILIPPINE ISLANDS
24	11	52	46.3	9.341	S	113.487	E	33	N	4.6	1.3	25	SOUTH OF JAWA, INDONESIA
24	12	22	24.7*	17.766	N	95.188	W	128	*		1.5	15	OAXACA, MEXICO
24	12	45	47.0&	47.718	N	122.966	W	48				34	WASHINGTON. <SEA-P>. MD 3.5 (SEA). Felt.
24	13	02	40.6*	17.836	N	146.186	E	150	G	3.9	1.0	19	MARIANA ISLANDS
24	13	16	49.1	20.187	S	176.326	W	220	D	5.0	0.9	61	FIJI ISLANDS REGION
24	13	26	06.4*	72.420	N	126.215	E	33	N		0.5	6	NORTHCENTRAL SIBERIA, RUSSIA
24	13	26	12.4&	33.684	S	70.235	W	110	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
24	14	06	13.9&	37.207	N	71.292	E	103	D		0.8	9	AFGHANISTAN-TAJIKISTAN BORD REG.
24	14	32	22.7	9.470	N	126.453	E	33	N	4.8	1.0	41	MINDANAO, PHILIPPINE ISLANDS
24	15	14	10.7?	5.85	S	103.15	E	33	N		1.4	5	SOUTHERN SUMATERA, INDONESIA
24	15	19	28.8&	32.384	N	132.125	E	33	N		0.4	5	SHIKOKU, JAPAN
24	17	51	32.3	35.447	N	141.242	E	33	N	4.4	0.8	19	NEAR EAST COAST OF HONSHU, JAPAN
24	19	10	02.7	43.539	N	126.268	W	10	G		0.5	79	OFF COAST OF OREGON
24	19	24	49.5	27.222	N	100.373	E	33	N	5.3 5.2	0.8	189	YUNNAN, CHINA. Mw 5.5 (HRV). Damage and a landslide occurred in the Lijiang area. Centroid, Moment Tensor (HRV): Centroid origin time 19:24:54.5; Lat 27.18 N; Lon 100.70 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=2.10, Plg=5, Azm=236; (N) Val=-0.28, Plg=5, Azm=327; (P) Val=-1.81, Plg=83, Azm=104; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=321, Dip=41, Slip=-98; NP2: Strike=151, Dip=50, Slip=-83.
24	20	03	00.1	51.681	N	16.218	E	10	G		0.6	13	POLAND. ML 3.3 (GRF), 2.8 (MOX).
24	20	06	19.4?	36.97	N	5.81	W	10	G		0.1	4	STRAIT OF GIBRALTAR. mbLg 2.2 (MDD).
24	21	02	48.9*	27.044	N	100.220	E	33	N	4.7	1.0	20	YUNNAN, CHINA
24	21	43	05.9?	21.94	S	178.34	W	500	G	4.7	1.1	25	FIJI ISLANDS REGION
24	21	43	14.6	48.222	N	153.123	E	33	N	5.0	0.7	91	KURIL ISLANDS
24	23	19	05.1?	15.00	S	173.04	W	33	N		1.1	18	SAMOA ISLANDS REGION
24	23	48	25.3*	24.257	S	179.655	E	600	G	4.8	0.8	27	SOUTH OF FIJI ISLANDS
24	23	53	10.8	47.100	N	10.364	E	5	G		1.2	17	AUSTRIA. ML 2.7 (STR), 2.4 (LDG), 2.4 (FUR), 2.2 (VIE). Felt (IV) at Lech and Warth.
25	02	01	16.8*	51.523	N	16.041	E	10	G		0.6	11	POLAND. ML 3.2 (GRF), 3.1 (MOX), 2.5 (CLL).
25	02	41	28.9	27.231	N	100.378	E	33	N	4.7	1.0	48	YUNNAN, CHINA
25	02	56	37.9*	4.412	N	126.918	E	100	G	4.6	0.9	15	TALAUD ISLANDS, INDONESIA
25	03	14	53.7?	9.95	N	126.48	E	33	N	4.5	1.2	10	MINDANAO, PHILIPPINE ISLANDS
25	03	16	01.2*	51.144	N	176.084	W	33	N	4.4	1.3	20	ANDREANOF ISLANDS, ALEUTIAN IS.
25	04	11	56.8	51.581	N	16.267	E	10	G		0.8	23	POLAND. ML 3.6 (GRF), 3.3 (VIE), 2.9 (MOX).
25	04	16	31.8	51.591	N	16.285	E	10	G		0.8	11	POLAND. ML 2.7 (MOX).
25	04	53	56.8*	37.371	S	146.007	E	10	G	4.7	1.0	6	NEAR S.E. COAST OF AUSTRALIA
25	05	24	17.2?	42.95	N	0.67	W	10	G		1.8	7	PYRENEES. mbLg 2.9 (MDD). ML 2.7 (LDG).
25	06	08	44.2*	2.112	S	99.716	E	33	N	4.8	1.2	20	SOUTHERN SUMATERA, INDONESIA
25	06	11	08.6?	2.03	S	99.70	E	33	N	4.4	1.3	10	SOUTHERN SUMATERA, INDONESIA
25	07	12	23.0*	30.440	N	78.584	E	33	N	4.6	1.2	20	NORTHERN INDIA
25	07	20	21.1	9.411	N	126.461	E	33	N	4.9	1.0	43	MINDANAO, PHILIPPINE ISLANDS
25	07	39	16.8*	21.486	N	122.591	E	33	N	4.2	1.2	10	TAIWAN REGION
25	07	41	29.6?	9.42	N	127.08	E	33	N	4.7	1.5	17	PHILIPPINE ISLANDS REGION
25	07	49	55.2*	37.888	S	146.203	E	10	G	4.3	1.3	17	NEAR S.E. COAST OF AUSTRALIA
25	09	26	45.0	9.694	N	126.406	E	33	N	5.5 5.7	1.1	82	MINDANAO, PHILIPPINE ISLANDS. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:26:49.4; Lat 9.61 N; Lon 126.77 E; Dep 15.0 Fix; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=6.14, Plg=69, Azm=251; (N) Val=0.22, Plg=7, Azm=0; (P) Val=-6.35, Plg=20, Azm=93; Best double couple: Mo=6.2*10**17 Nm; NP1: Strike=196, Dip=26, Slip=107; NP2: Strike=357, Dip=65, Slip=82.
25	09	35	57.9*	3.358	S	130.572	E	33	N	5.1	1.5	35	SERAM, INDONESIA
25	09	44	57.7*	48.986	N	156.052	E	33	N	4.1	1.1	14	EAST OF KURIL ISLANDS
25	10	02	46.5*	9.698	N	126.490	E	33	N	4.7	0.9	24	MINDANAO, PHILIPPINE ISLANDS
25	10	18	18.9	0.039	S	123.091	E	163		4.4	0.7	15	MINAHASSA PENINSULA, SULAWESI
25	10	18	26.1*	48.988	N	156.458	E	33	N	4.1	1.4	10	EAST OF KURIL ISLANDS
25	10	35	16.8	39.193	S	174.895	E	226	D	5.0	1.4	56	NORTH ISLAND, NEW ZEALAND. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:35:21.4; Lat 38.76 S; Lon 174.86 E; Dep 216.3; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.37, Plg=38, Azm=24; (N) Val=-0.07, Plg=43, Azm=160; (P) Val=-1.30, Plg=24, Azm=274; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=53, Dip=44, Slip=168; NP2: Strike=152, Dip=82, Slip=46.
25	11	36	31.9	13.769	N	120.878	E	100	G	5.0	1.0	48	MINDORO, PHILIPPINE ISLANDS
25	11	43	31.7	9.686	N	126.624	E	33	N	5.0	1.1	41	MINDANAO, PHILIPPINE ISLANDS
25	11	46	56.2*	6.890	S	129.452	E	144	*	4.9	1.4	21	BANDA SEA
25	11	48	28.5?	9.65	N	126.16	E	33	N	4.5	0.9	14	MINDANAO, PHILIPPINE ISLANDS
25	12	39	18.5*	16.244	S	176.580	W	300	G	4.4	1.0	21	FIJI ISLANDS REGION
25	12	41	53.4*	28.853	N	99.186	E	33	N	5.0	1.3	15	YUNNAN, CHINA
25	12	48	08.1*	13.326	S	166.619	E	33	N	4.6	1.1	21	VANUATU ISLANDS
25	13	06	53.8*	14.589	N	92.057	W	78	*	4.8	1.2	18	NEAR COAST OF CHIAPAS, MEXICO
25	13	45	49.5*	17.475	S	179.182	W	600	G	4.8	0.5	22	FIJI ISLANDS REGION
25	13	56	08.2	23.313	N	143.722	E	33	N	4.8	1.0	64	VOLCANO ISLANDS REGION
25	14	02	10.0?	42.79	N	17.87	E	10	G	4.2	1.4	12	ADRIATIC SEA
25	14	10	36.8*	7.474	S	128.655	E	100	G	3.7	0.9	10	BANDA SEA
25	14	12	10.1*	1.299	N	123.237	E	33	N	4.5	1.1	20	MINAHASSA PENINSULA, SULAWESI
25	14	18	06.3&	39.119	N	29.417	W	10	G		1.3	11	AZORES ISLANDS. Felt (III) on Faial.
25	14	56	41.6*	9.782	N	126.297	E	33	N	4.6	0.9	17	MINDANAO, PHILIPPINE ISLANDS
25	14	59	50.1*	65.637	S	44.382	E	10	G	4.6	0.8	14	SOUTH INDIAN OCEAN
25	15	54	52.0	12.473	N	126.135	E	33	N	5.1	1.1	29	PHILIPPINE ISLANDS REGION
25	16	04	51.3*	67.366	N	166.378	W	10	G		1.2	6	BERING STRAIT
25	16	22	15.9*	27.959	N	51.247	E	10	G	4.4	1.0	37	PERSIAN GULF
25	16	51	18.5*	30.875	N	138.604	E	391	*	3.9	0.2	10	SOUTH OF HONSHU, JAPAN
25	17	02	45.2?	6.73	S	142.71	E	143	?	3.9	0.9	9	NEW GUINEA, PAPUA NEW GUINEA
25	17	15	05.9*	21.252	S	68.653	W	127	?		1.5	10	CHILE-BOLIVIA BORDER REGION
25	17	30	32.9	4.041	S	79.219	W	100	D	4.8	0.9	71	PERU-ECUADOR BORDER REGION. Felt (V) at Gonzanama, Loja, and

														Macara, Ecuador.
25	17	41	17.2	27.433	N	88.552	E	33	N	5.0	4.5	1.1	58	SIKKIM, INDIA
25	17	49	35.4*	17.553	N	95.571	W	116	*	4.3		1.4	22	OAXACA, MEXICO
25	17	49	53.2*	21.826	N	144.697	E	33	N	4.4		1.0	10	MARIANA ISLANDS REGION
25	17	56	30.2	46.049	N	14.285	E	10	G			1.5	33	NORTHWESTERN BALKAN REGION. ML 3.5 (LJU), 3.3 (FUR), 3.2 (VIE), 3.2 (LDG). Felt (V) in the Ljubljana and Smlednik areas, Slovenia.
25	18	03	43.8&	43.137	N	139.294	E	33	N			0.6	6	EASTERN SEA OF JAPAN
25	18	03	52.6?	3.05	S	145.66	E	33	N			1.1	5	NEAR N COAST OF NEW GUINEA, PNG.
25	18	19	04.2	9.484	N	126.429	E	33	N	4.9		1.2	40	MINDANAO, PHILIPPINE ISLANDS
25	18	49	06.7?	23.75	S	179.99	E	500	G	4.5		1.2	24	SOUTH OF FIJI ISLANDS
25	18	49	17.0?	5.76	S	148.51	E	100	G	4.6		0.6	11	NEW BRITAIN REGION, P.N.G.
25	19	07	13.5&	36.698	N	121.330	W	6					60	CENTRAL CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.4 (BRK), 3.1 (GS).
25	19	07	38.5*	39.227	N	71.476	E	50	G	4.3		1.0	12	TAJIKISTAN
25	20	34	10.7&	38.818	N	122.797	W	4					54	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.2 (GS), 3.1 (BRK).
25	20	35	37.0?	13.74	N	144.66	E	136		4.3		0.9	13	MARIANA ISLANDS. Felt (III) at Dededo and Potts Junction, Guam.
25	21	14	33.0*	13.028	N	143.375	E	222	*	4.4		0.6	15	SOUTH OF MARIANA ISLANDS
25	21	16	09.6	9.295	S	108.725	E	33	N	5.2	5.7	1.4	117	SOUTH OF JAWA, INDONESIA. Mw 5.6 (GS), 5.6 (HRV). Moment Tensor (GS): Dep 14; Principal axes (scale 10**17 Nm): (T) Val=2.89, Plg=51, Azm=97; (N) Val=-0.11, Plg=39, Azm=283; (P) Val=-2.78, Plg=3, Azm=191; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=248, Dip=54, Slip=39; NP2: Strike=132, Dip=59, Slip=137. Centroid, Moment Tensor (HRV): Centroid origin time 21:16:10.9; Lat 9.74 S; Lon 108.32 E; Dep 38.8; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.78, Plg=39, Azm=106; (N) Val=0.52, Plg=50, Azm=273; (P) Val=-3.30, Plg=7, Azm=11; Best double couple: Mo=3.0*10**17 Nm; NP1: Strike=141, Dip=58, Slip=155; NP2: Strike=245, Dip=69, Slip=34.
25	21	20	57.1*	5.045	S	152.742	E	33	N			0.6	12	NEW BRITAIN REGION, P.N.G.
26	00	50	08.1	51.613	N	16.288	E	5	G			0.8	15	POLAND. ML 3.1 (GRF), 2.7 (MOX).
26	01	30	07.1	30.111	N	42.150	W	10	G	4.6	4.1	0.9	55	NORTHERN MID-ATLANTIC RIDGE
26	02	17	56.1*	9.524	N	126.428	E	33	N	4.4		1.0	11	MINDANAO, PHILIPPINE ISLANDS
26	02	27	16.0*	22.159	N	122.342	E	33	N	4.0		0.3	7	TAIWAN REGION
26	02	45	26.5*	26.960	N	100.224	E	33	N	4.1		0.9	16	YUNNAN, CHINA
26	03	45	28.0	9.576	N	126.569	E	33	N	5.2	5.3	1.1	67	MINDANAO, PHILIPPINE ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:45:32.3; Lat 9.64 N; Lon 127.04 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.10, Plg=61, Azm=203; (N) Val=0.43, Plg=26, Azm=357; (P) Val=-1.53, Plg=11, Azm=92; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=211, Dip=41, Slip=133; NP2: Strike=341, Dip=61, Slip=60.
26	04	31	29.1&	47.000	N	6.827	E	20	G			1.2	12	FRANCE. ML 2.5 (LDG).
26	05	00	03.4	9.728	N	126.736	E	33	N	4.7		1.1	31	MINDANAO, PHILIPPINE ISLANDS
26	05	23	17.9	9.712	N	126.812	E	33	N	4.7		0.9	31	MINDANAO, PHILIPPINE ISLANDS
26	05	52	56.0*	44.144	N	148.710	E	33	N			1.2	8	KURIL ISLANDS
26	05	59	02.1*	9.906	N	126.076	E	33	N	4.8		1.0	30	MINDANAO, PHILIPPINE ISLANDS
26	06	11	58.4*	11.446	N	86.970	W	33	N	4.6		1.3	34	NEAR COAST OF NICARAGUA
26	07	05	12.8?	9.31	N	126.79	E	33	N	4.3		1.0	16	MINDANAO, PHILIPPINE ISLANDS
26	07	06	52.6*	39.736	N	76.807	E	84	?	3.8		1.0	13	SOUTHERN XINJIANG, CHINA
26	07	17	33.2	52.186	N	171.491	W	33	N	4.8		1.0	48	FOX ISLANDS, ALEUTIAN ISLANDS
26	07	39	39.5*	9.447	N	126.605	E	33	N	4.5		1.0	18	MINDANAO, PHILIPPINE ISLANDS
26	07	47	33.4*	9.507	N	126.722	E	33	N	4.6		0.9	19	MINDANAO, PHILIPPINE ISLANDS
26	08	13	45.2	54.019	N	159.689	E	33	N	4.9	4.5	1.0	63	NEAR EAST COAST OF KAMCHATKA
26	08	17	36.4?	9.41	N	126.43	E	33	N	4.2		0.9	8	MINDANAO, PHILIPPINE ISLANDS
26	09	15	57.9	35.448	N	140.402	E	50	G			0.7	10	NEAR EAST COAST OF HONSHU, JAPAN
26	09	46	04.1*	4.866	S	151.145	E	150	G	4.4		1.2	17	NEW BRITAIN REGION, P.N.G.
26	09	55	24.4?	29.65	N	52.25	E	33	N			1.1	11	SOUTHERN IRAN. Felt in the Shiraz area.
26	10	17	42.4?	32.51	S	71.60	W	20	G			0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
26	10	26	27.2*	43.518	N	128.289	W	10	G			0.3	49	OFF COAST OF OREGON
26	11	27	04.7	51.657	N	16.253	E	5	G			0.7	15	POLAND. ML 3.4 (GRF), 2.9 (MOX).
26	11	30	44.4?	23.27	N	143.85	E	33	N	4.3		1.0	7	VOLCANO ISLANDS REGION
26	12	31	49.1	40.030	N	20.796	E	10	G	4.0		1.2	36	GREECE-ALBANIA BORDER REGION
26	12	35	45.5?	9.23	N	126.70	E	33	N	4.4		1.3	12	MINDANAO, PHILIPPINE ISLANDS
26	14	36	35.5*	20.737	S	68.439	W	164	D	4.0		0.9	16	CHILE-BOLIVIA BORDER REGION
26	14	49	56.9*	7.150	S	129.635	E	100	G	4.3		0.3	5	BANDA SEA
26	15	29	07.9	6.155	S	146.035	E	33	N	5.1		1.4	47	EASTERN NEW GUINEA REG., P.N.G. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:29:11.2; Lat 6.51 S; Lon 146.24 E; Dep 26.4; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.87, Plg=8, Azm=108; (N) Val=2.22, Plg=75, Azm=232; (P) Val=-8.09, Plg=12, Azm=16; Best double couple: Mo=7.0*10**16 Nm; NP1: Strike=153, Dip=75, Slip=-177; NP2: Strike=62, Dip=87, Slip=-15.
26	16	01	00.5&	33.645	S	70.785	W	80	G			0.3	8	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
26	16	48	26.0?	12.14	N	86.23	W	33	N	4.7		1.5	12	NICARAGUA
26	17	00	18.3	9.462	N	126.420	E	33	N	5.0		1.0	46	MINDANAO, PHILIPPINE ISLANDS
26	17	17	20.1	23.981	N	125.211	E	33	N	4.5		1.0	16	SOUTHWESTERN RYUKYU ISLANDS
26	18	35	05.6*	47.338	S	12.860	W	10	G	4.6		1.4	17	SOUTHERN MID-ATLANTIC RIDGE
26	18	46	18.1&	33.540	S	71.803	W	40	G			0.5	8	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
26	19	01	12.7&	62.544	N	151.154	W	91					91	CENTRAL ALASKA. <AEIC>.
26	19	40	57.4*	38.905	N	140.724	E	42	*			1.0	12	EASTERN HONSHU, JAPAN
26	19	44	04.7?	5.88	S	147.42	E	100	G	4.3		1.4	9	EASTERN NEW GUINEA REG., P.N.G.
26	20	13	31.9?	18.57	S	179.85	W	600	G	4.3		1.2	9	FIJI ISLANDS REGION
26	20	21	10.3&	44.310	N	7.547	E	5	G			0.5	8	NORTHERN ITALY. ML 2.2 (LDG).
26	20	29	34.5	44.115	N	21.017	E	10	G	4.5		1.3	65	NORTHWESTERN BALKAN REGION. ML 4.1 (VIE).
26	21	37	34.8	43.936	N	7.778	E	5	G			0.7	23	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG), 2.5 (STR).
26	21	43	38.5*	9.274	N	126.554	E	33	N	4.7		1.5	20	MINDANAO, PHILIPPINE ISLANDS

26	22	43	10.1*	23.264	N	143.641	E	33	N	4.4	1.2	11	VOLCANO ISLANDS REGION
26	23	12	22.5?	23.88	S	114.80	W	10	G	4.4	1.5	7	EASTER ISLAND REGION
26	23	16	35.6*	56.022	S	27.905	W	100	G	4.6	1.1	19	SOUTH SANDWICH ISLANDS REGION
26	23	54	50.4*	9.357	N	126.729	E	33	N	5.0	1.2	34	MINDANAO, PHILIPPINE ISLANDS
27	00	29	10.1?	5.79	S	151.19	E	33	N	4.1	0.7	8	NEW BRITAIN REGION, P.N.G.
27	01	17	30.6*	3.238	S	130.732	E	33	N	5.0 4.2	1.3	26	SERAM, INDONESIA
27	02	05	26.4*	20.321	S	177.791	W	500	G	4.4	0.9	21	FIJI ISLANDS REGION
27	02	21	07.8&	45.994	N	6.118	E	5	G		0.9	5	FRANCE. ML 2.0 (LDG).
27	02	22	59.8?	9.58	N	126.60	E	33	N	4.4	1.2	13	MINDANAO, PHILIPPINE ISLANDS
27	03	16	36.2&	33.195	S	70.369	W	100	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 1.9 (SAN).
27	03	51	20.5&	11.358	N	60.052	W	33	N		0.2	9	WINDWARD ISLANDS. MD 3.5 (TRN).
27	03	56	46.9&	34.180	S	70.097	W	10	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
27	04	00	03.1?	47.57	N	27.85	W	10	G	3.9	1.1	10	NORTHERN MID-ATLANTIC RIDGE
27	04	13	10.8&	59.992	N	151.485	W	69				67	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
27	04	24	15.7	32.161	N	70.015	E	47	D	4.7	0.8	16	PAKISTAN
27	04	25	20.5	36.529	N	27.486	E	33	N	4.1	1.0	34	DODECANESE ISLANDS
27	05	26	27.3	6.724	S	155.165	E	33	N	4.4	0.7	22	SOLOMON ISLANDS
27	06	06	29.3?	11.84	N	87.64	W	33	N	4.4	1.1	7	NEAR COAST OF NICARAGUA
27	06	10	51.5?	12.10	N	87.76	W	33	N	4.5	1.2	10	NEAR COAST OF NICARAGUA
27	06	40	13.3&	31.753	N	131.605	E	33	N		0.2	5	KYUSHU, JAPAN
27	06	42	36.8*	8.695	S	123.202	E	100	G	4.7	0.6	16	FLORES REGION, INDONESIA
27	06	46	36.4	47.393	N	13.496	E	10	G		1.2	9	AUSTRIA. ML 3.3 (GRF), 3.0 (FUR), 3.0 (VIE). Felt (IV) at Radstadt.
27	08	38	22.0?	15.74	S	179.45	W	200	G	4.3	1.1	19	FIJI ISLANDS REGION
27	08	53	17.9?	23.46	S	179.91	E	500	G	4.2	1.0	11	SOUTH OF FIJI ISLANDS
27	09	08	55.4	12.085	S	71.762	W	33	N	4.7	1.0	42	CENTRAL PERU
27	09	11	26.2?	18.96	S	175.74	E	33	N	4.3	1.0	14	FIJI ISLANDS REGION
27	09	42	06.5&	60.604	N	145.185	W	11				51	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
27	10	55	01.0?	22.06	S	170.35	E	33	N	4.3	1.1	10	LOYALTY ISLANDS REGION
27	10	57	56.2?	17.64	S	178.80	W	600	G	4.1	0.6	9	FIJI ISLANDS REGION
27	11	03	30.0?	31.14	S	179.31	W	33	N	4.6	0.6	8	KERMADEC ISLANDS REGION
27	11	46	27.2?	6.43	S	129.82	E	100	G	3.9	0.9	6	BANDA SEA
27	11	48	17.0*	54.580	N	161.553	E	33	N	4.3	0.9	16	NEAR EAST COAST OF KAMCHATKA
27	12	05	18.4?	45.79	N	14.85	E	10	G		1.0	4	NORTHWESTERN BALKAN REGION. ML 2.9 (VIE), 2.4 (LJU). Felt (IV) at Kresnice, Slovenia. Also felt at Ljubljana, Slovenia.
27	12	05	23.5?	1.80	S	136.83	E	33	N	3.7	1.7	8	IRIAN JAYA REGION, INDONESIA
27	12	22	30.3*	30.825	S	59.736	E	10	G	4.7	0.8	19	SOUTHWEST INDIAN RIDGE
27	12	56	20.7*	15.071	S	173.776	W	33	N	4.3	0.4	10	TONGA ISLANDS
27	13	20	28.2?	4.65	S	152.86	E	100	G	4.7	0.7	12	NEW BRITAIN REGION, P.N.G.
27	13	44	46.4&	40.332	N	126.953	W	25				76	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 4.0 (BRK), 4.0 (GS).
27	13	54	26.2?	39.89	S	174.41	E	100	G	4.6	0.9	12	NORTH ISLAND, NEW ZEALAND
27	13	57	28.9*	31.879	S	179.880	E	500	G	4.5	0.8	19	KERMADEC ISLANDS REGION
27	14	01	05.5	6.979	N	77.993	W	10	G	4.6	1.2	37	NEAR WEST COAST OF COLOMBIA
27	15	45	41.2*	32.655	S	67.662	W	33	N	4.0	1.2	19	MENDOZA PROVINCE, ARGENTINA
27	16	15	43.1&	44.261	N	2.169	E	5	G		0.7	6	FRANCE. ML 2.2 (LDG).
27	16	36	00.4?	43.81	N	7.59	E	5	G		0.2	4	NEAR SOUTH COAST OF FRANCE. ML 2.0 (LDG).
27	16	47	40.2?	17.88	S	178.65	W	600	G	4.5	1.0	15	FIJI ISLANDS REGION
27	17	01	32.2&	43.939	N	7.589	E	10	G		0.6	8	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG).
27	17	03	37.9&	44.905	N	6.392	E	5	G		0.6	9	FRANCE. ML 2.5 (LDG).
27	17	37	17.6*	53.779	N	165.365	W	50	G		0.7	9	FOX ISLANDS, ALEUTIAN ISLANDS
27	18	44	21.2&	44.406	N	7.287	E	10	G		0.5	8	NORTHERN ITALY. ML 2.0 (LDG).
27	19	43	38.9*	53.607	N	168.839	W	100	G		1.4	12	FOX ISLANDS, ALEUTIAN ISLANDS
27	19	44	42.0*	23.184	N	143.827	E	33	N	4.3	1.1	15	VOLCANO ISLANDS REGION
27	20	26	17.0*	23.273	N	143.861	E	33	N	4.1	0.9	14	VOLCANO ISLANDS REGION
27	20	36	56.0*	23.327	N	143.821	E	33	N	4.3	1.1	21	VOLCANO ISLANDS REGION
27	20	39	01.2*	23.267	N	143.656	E	33	N	3.9	0.8	10	VOLCANO ISLANDS REGION
27	22	03	43.2&	47.441	N	0.756	W	10	G		0.9	10	FRANCE. ML 2.2 (LDG).
27	22	21	49.2	24.255	S	67.130	W	150	G	4.4	0.8	28	CHILE-ARGENTINA BORDER REGION
27	22	27	47.6	45.742	N	26.719	E	128		3.8	0.6	26	ROMANIA
27	22	42	10.4*	23.255	N	143.759	E	33	N	4.1	0.5	9	VOLCANO ISLANDS REGION
27	22	49	57.7	5.904	S	148.245	E	143	*	5.3	0.8	55	NEW BRITAIN REGION, P.N.G.
27	22	58	11.7&	38.779	N	122.757	W	2				38	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK).
27	22	59	52.0&	46.540	N	2.617	E	15	G		0.5	11	FRANCE. ML 1.9 (LDG).
27	23	00	45.1&	38.784	N	122.749	W	1				14	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
27	23	07	12.4	42.510	N	144.049	E	63	D	4.5	0.8	43	HOKKAIDO, JAPAN REGION
27	23	47	20.6*	21.881	N	121.516	E	33	N	4.4	0.6	15	TAIWAN REGION
27	23	48	31.8	23.284	N	143.615	E	33	N	4.7	0.8	44	VOLCANO ISLANDS REGION
28	02	12	46.2*	5.970	S	147.454	E	33	N	4.9	0.8	21	EASTERN NEW GUINEA REG., P.N.G.
28	02	34	18.5	51.732	N	16.217	E	5	G		1.0	21	POLAND. ML 3.7 (GRF), 3.7 (VIE), 3.1 (MOX).
28	02	44	48.9?	18.06	S	167.95	E	150	G	4.5	1.2	20	VANUATU ISLANDS
28	02	55	43.9	23.231	N	143.686	E	33	N	4.6	0.9	39	VOLCANO ISLANDS REGION
28	03	01	50.1	23.270	N	143.638	E	33	N	4.7	1.2	51	VOLCANO ISLANDS REGION
28	03	04	53.6?	23.23	N	143.89	E	33	N		1.5	12	VOLCANO ISLANDS REGION
28	03	58	14.5&	63.178	N	150.543	W	127				70	CENTRAL ALASKA. <AEIC>.
28	04	21	38.4*	7.455	S	128.581	E	150	G	4.2	0.7	10	BANDA SEA
28	05	03	55.2&	46.749	N	11.591	E	10	G		0.2	5	NORTHERN ITALY. ML 1.6 (VIE).
28	05	37	14.8*	28.133	N	127.753	E	100	G	4.6	1.4	11	NORTHWEST OF RYUKYU ISLANDS
28	06	18	21.3?	46.09	N	151.96	E	172	?	4.2	1.3	17	KURIL ISLANDS
28	06	44	04.3*	9.650	N	126.608	E	33	N	4.3	0.7	10	MINDANAO, PHILIPPINE ISLANDS
28	07	11	17.5*	9.701	N	126.710	E	33	N	4.9	0.9	21	MINDANAO, PHILIPPINE ISLANDS
28	07	13	30.3*	9.636	N	126.583	E	33	N	4.5	1.0	16	MINDANAO, PHILIPPINE ISLANDS
28	07	21	29.4&	60.357	N	150.762	W	34				81	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC).
28	07	29	58.7*	21.734	N	121.356	E	33	N	4.6 4.5	1.3	22	TAIWAN REGION
28	07	36	27.3	19.434	N	103.531	W	102	D	4.7	1.4	72	JALISCO, MEXICO
28	07	43	02.7*	23.099	N	143.767	E	33	N	3.8	0.9	13	VOLCANO ISLANDS REGION
28	07	53	27.6&	27.738	N	126.984	E	100	G		1.2	8	NORTHWEST OF RYUKYU ISLANDS
28	07	54	44.0	23.285	N	143.652	E	33	N	5.0	1.0	86	VOLCANO ISLANDS REGION
28	08	20	08.3?	28.00	S	27.30	E	5	G		1.5	6	REPUBLIC OF SOUTH AFRICA
28	08	27	33.9&	46.306	N	2.664	E	5	G		0.4	9	FRANCE. ML 1.9 (LDG).
28	08	49	56.9	9.784	N	126.375	E	33	N	4.9	1.0	36	MINDANAO, PHILIPPINE ISLANDS
28	08	53	04.0	20.055	S	68.782	W	121	D	4.4	1.1	42	CHILE-BOLIVIA BORDER REGION

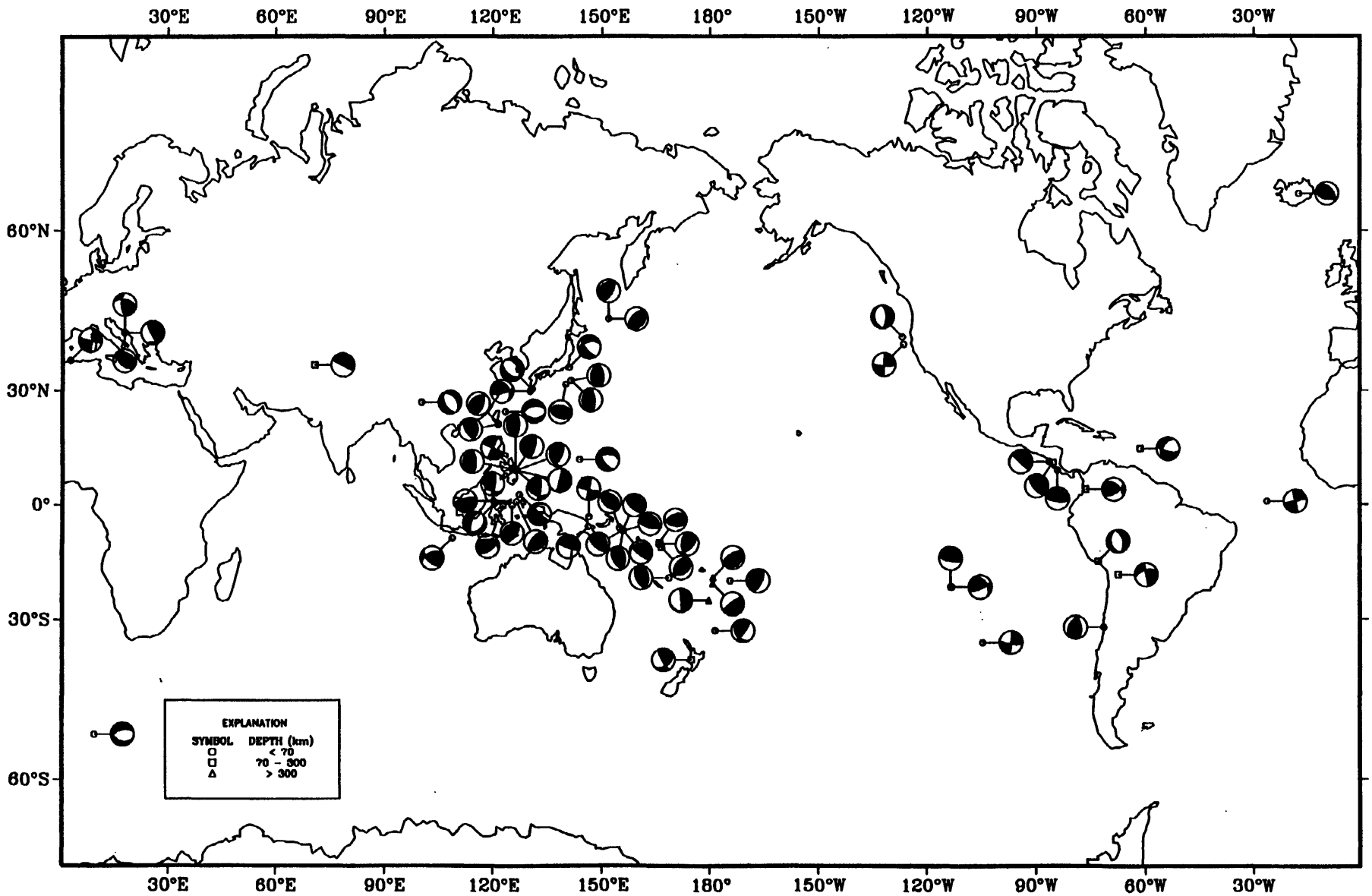
28	08	55	33.8&	46.317	N	2.666	E	5	G		0.6	8	FRANCE. ML 1.7 (LDG).
28	09	04	24.6	23.434	N	143.682	E	33	N	4.6	0.8	37	VOLCANO ISLANDS REGION
28	09	08	28.1	23.333	N	143.858	E	33	N	4.5	1.1	37	VOLCANO ISLANDS REGION
28	09	13	10.5?	23.25	N	143.52	E	33	N		0.8	6	VOLCANO ISLANDS REGION
28	09	31	21.8?	23.29	N	143.46	E	33	N		1.2	7	VOLCANO ISLANDS REGION
28	09	51	35.7*	4.241	S	127.116	E	327	*	4.5	1.5	14	BANDA SEA
28	10	07	53.3&	44.683	N	7.670	E	10	G		0.6	10	NORTHERN ITALY. ML 2.1 (LDG).
28	10	17	22.9*	27.904	N	127.180	E	100	G	4.0	0.7	6	RYUKYU ISLANDS
28	11	02	46.8	35.075	N	23.865	E	33	N	4.7	1.3	160	CRETE. Felt throughout western Crete.
28	11	02	55.3	56.057	N	163.070	E	33	N	5.1 4.5	1.0	73	NEAR EAST COAST OF KAMCHATKA
28	11	10	23.2*	34.929	N	23.800	E	33	N	3.4	1.4	22	CRETE
28	11	18	34.4	23.264	N	143.777	E	33	N	4.5	0.9	32	VOLCANO ISLANDS REGION
28	11	47	37.8*	23.364	N	143.760	E	33	N	4.2	1.0	17	VOLCANO ISLANDS REGION
28	12	10	52.7*	41.117	N	50.326	E	64	D	4.3	1.0	17	CASPIAN SEA
28	12	17	59.5	11.682	N	86.470	W	33	N	5.2 5.0	1.0	167	NEAR COAST OF NICARAGUA. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:18:07.9; Lat 11.68 N Fix; Lon 86.47 W Fix; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=4.57, Plg=50, Azm=54; (N) Val=-0.16, Plg=9, Azm=312; (P) Val=-4.41, Plg=38, Azm=214; Best double couple: Mo=4.5*10**17 Nm; NP1: Strike=256, Dip=11, Slip=34; NP2: Strike=133, Dip=84, Slip=100.
28	12	33	25.6*	47.129	N	153.034	E	33	N	3.7	1.1	16	KURIL ISLANDS
28	12	46	09.0*	23.381	N	143.694	E	33	N	4.2	1.0	27	VOLCANO ISLANDS REGION
28	13	14	19.8	19.531	N	102.616	E	33	N	4.8	1.3	30	SOUTHEAST ASIA
28	13	17	38.4?	23.13	N	143.63	E	33	N		0.5	7	VOLCANO ISLANDS REGION
28	13	20	41.4?	28.08	S	177.72	W	102	D		1.3	9	KERMADEC ISLANDS REGION
28	13	51	17.5	3.680	S	102.371	E	92	D	4.5	1.0	32	SOUTHERN SUMATERA, INDONESIA
28	13	53	55.8	28.481	N	57.555	E	33	N	4.8	0.9	95	SOUTHERN IRAN
28	14	08	51.5&	59.802	N	152.253	W	67				59	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
28	14	10	42.4	10.038	N	125.369	E	235		5.6	1.0	177	LEYTE, PHILIPPINE ISLANDS. Mw 6.3 (GS), 6.3 (HRV). Me 6.3 (GS). Broadband Source Parameters (GS): Dep 218; NP1: Strike=25, Dip=90, Slip=-180; NP2: Strike=115, Dip=90, Slip=0; Radiated energy 7.3*10**13 Nm. Moment Tensor (GS): Dep 237; Principal axes (scale 10**18 Nm): (T) Val=3.21, Plg=9, Azm=154; (N) Val=0.08, Plg=79, Azm=8; (P) Val=-3.29, Plg=6, Azm=245; Best double couple: Mo=3.2*10**18 Nm; NP1: Strike=290, Dip=79, Slip=2; NP2: Strike=199, Dip=88, Slip=169. Centroid, Moment Tensor (HRV): Centroid origin time 14:10:46.6; Lat 10.19 N; Lon 125.33 E; Dep 237.6; Half-duration 3.5 sec; Principal axes (scale 10**18 Nm): (T) Val=3.65, Plg=5, Azm=156; (N) Val=-0.28, Plg=80, Azm=32; (P) Val=-3.38, Plg=8, Azm=247; Best double couple: Mo=3.5*10**18 Nm; NP1: Strike=291, Dip=81, Slip=-2; NP2: Strike=21, Dip=88, Slip=-171.
28	14	40	31.0*	23.361	N	143.727	E	33	N	4.1	1.1	14	VOLCANO ISLANDS REGION
28	15	14	33.6	15.665	S	175.120	W	267	D	4.9	0.9	168	TONGA ISLANDS
28	15	21	00.8	42.992	N	20.683	E	10	G	4.2	1.2	59	NORTHWESTERN BALKAN REGION. ML 4.0 (ROM).
28	15	35	46.0*	24.810	S	179.709	E	500	G	4.2	1.0	19	SOUTH OF FIJI ISLANDS
28	15	48	07.4&	44.600	N	7.192	E	10	G		0.3	8	NORTHERN ITALY. ML 2.5 (LDG).
28	16	02	09.1?	34.32	S	71.19	W	60	G		0.4	7	NEAR COAST OF CENTRAL CHILE
28	16	12	45.1	42.864	N	17.855	E	10	G	4.1	1.4	48	ADRIATIC SEA. ML 3.9 (VIE). Felt (V) in the Ston area, Croatia.
28	16	46	42.2?	23.26	N	143.93	E	33	N		1.3	9	VOLCANO ISLANDS REGION
28	17	07	04.6	51.503	N	161.505	E	33	N	5.0 4.7	1.0	145	OFF EAST COAST OF KAMCHATKA
28	17	07	30.6&	42.421	N	8.077	W	10	G		0.5	6	SPAIN. mbLg 2.9 (MDD).
28	18	24	12.2	18.165	S	70.037	W	56	D	5.2	1.0	156	NEAR COAST OF NORTHERN CHILE
28	18	34	27.0	43.425	N	146.832	E	33	N		0.6	17	KURIL ISLANDS
28	19	12	20.6*	34.870	N	139.863	E	92	*	4.4	0.7	12	NEAR S. COAST OF HONSHU, JAPAN
28	19	28	54.1	51.702	N	16.162	E	5	G		0.9	14	POLAND. ML 3.4 (GRF).
28	19	34	47.5&	37.531	N	118.438	W	10				39	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.4 (BRK), 3.2 (GS).
28	19	44	17.3*	11.761	N	86.401	W	33	N	4.3	1.0	25	NEAR COAST OF NICARAGUA
28	20	00	22.1	34.467	N	29.349	E	33	N	4.2	1.1	52	EASTERN MEDITERRANEAN SEA
28	20	24	33.0&	34.282	N	118.534	W	11				30	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.5 (PAS). ML 2.8 (GS).
28	21	04	29.9&	61.268	N	150.614	W	43				58	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
28	21	09	01.0*	23.016	S	179.036	E	600	G	4.1	0.9	15	SOUTH OF FIJI ISLANDS
28	21	52	12.5&	62.362	N	149.594	W	66				75	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC).
28	22	51	46.1	23.233	N	143.634	E	33	N	4.6	0.9	42	VOLCANO ISLANDS REGION
28	23	06	09.2*	47.918	N	147.350	E	400	G	4.4	0.8	11	NORTHWEST OF KURIL ISLANDS
28	23	49	28.8*	19.482	S	67.445	W	224	*	3.9	0.4	7	SOUTHERN BOLIVIA
29	00	40	06.7	43.187	N	0.555	W	5	G		0.9	7	PYRENEES. mbLg 2.6 (MDD). ML 2.5 (LDG).
29	00	48	54.0	47.027	N	7.211	E	5	G		0.9	11	SWITZERLAND. ML 2.6 (LDG).
29	01	16	14.5*	8.352	N	126.854	E	33	N	4.4	1.1	19	MINDANAO, PHILIPPINE ISLANDS
29	01	45	57.5*	11.283	N	87.127	W	33	N	4.5	1.3	20	NEAR COAST OF NICARAGUA
29	02	22	02.6	51.618	N	16.227	E	5	G		0.9	15	POLAND. ML 2.7 (MOX).
29	03	37	15.3*	8.316	N	126.767	E	33	N	4.6	0.7	21	MINDANAO, PHILIPPINE ISLANDS
29	03	44	25.6&	12.322	N	60.786	W	70	G		0.2	8	WINDWARD ISLANDS. MD 3.3 (TRN).
29	05	09	26.9	8.288	N	126.785	E	33	N	4.9	1.1	36	MINDANAO, PHILIPPINE ISLANDS
29	05	52	37.4	51.716	N	175.397	W	33	N	4.8	1.1	71	ANDREANOF ISLANDS, ALEUTIAN IS.
29	06	15	43.6	10.549	S	165.867	E	185	*	5.2	0.7	147	SANTA CRUZ ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:15:47.5; Lat 10.12 S; Lon 165.91 E; Dep 153.4; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.57, Plg=59, Azm=120; (N) Val=-0.03, Plg=8, Azm=223; (P) Val=-1.54, Plg=30, Azm=318; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=71, Dip=17, Slip=119; NP2: Strike=221, Dip=75, Slip=82.
29	06	16	45.9*	34.274	N	26.650	E	33	N		0.7	13	CRETE
29	06	45	25.7*	28.059	N	128.555	E	33	N	4.8	1.3	13	RYUKYU ISLANDS
29	06	51	01.4?	51.04	N	174.94	E	33	N		0.8	6	NEAR ISLANDS, ALEUTIAN ISLANDS

29	07	11	09.3*	28.063	N	127.924	E	33	N	4.7	1.2	17	NORTHWEST OF RYUKYU ISLANDS
29	07	19	42.4	42.691	N	17.620	E	10	G		0.8	12	ADRIATIC SEA
29	07	23	46.7*	23.266	N	143.657	E	33	N	4.7	0.9	19	VOLCANO ISLANDS REGION
29	07	34	06.3*	28.043	N	128.686	E	33	N	4.5	1.3	11	RYUKYU ISLANDS
29	07	45	07.0?	42.47	N	8.09	W	10	G		0.1	4	SPAIN. mbLg 2.4 (MDD).
29	09	00	44.2	0.866	N	126.477	E	33	N	5.3 4.9	1.0	52	NORTHERN MOLUCCA SEA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:00:49.5; Lat 1.07 N; Lon 126.40 E; Dep 33.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.27, Plg=72, Azm=96; (N) Val=-0.14, Plg=11, Azm=221; (P) Val=-1.13, Plg=15, Azm=314; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=59, Dip=32, Slip=111; NP2: Strike=215, Dip=61, Slip=77.
29	09	59	47.0*	27.892	N	127.946	E	33	N	4.5	1.0	18	RYUKYU ISLANDS
29	10	07	35.9&	42.787	N	143.360	E	100	G		1.5	10	HOKKAIDO, JAPAN REGION
29	10	48	18.9	64.782	N	17.566	W	10	G	5.3 5.4	1.3	211	ICELAND. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:48:24.3; Lat 64.66 N; Lon 17.27 W; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.17, Plg=72, Azm=304; (N) Val=-1.10, Plg=18, Azm=123; (P) Val=-2.07, Plg=0, Azm=213; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=320, Dip=47, Slip=115; NP2: Strike=106, Dip=48, Slip=65.
29	10	53	38.8?	17.61	S	179.09	W	600	G	4.6	0.8	11	FIJI ISLANDS REGION
29	11	22	54.8*	7.438	S	130.520	E	33	N	4.5	1.4	13	TANIMBAR ISLANDS REG., INDONESIA
29	11	45	26.6	45.430	N	151.465	E	33	N	4.8	0.9	43	KURIL ISLANDS
29	11	58	13.9	51.646	N	16.340	E	5	G		0.6	13	POLAND. ML 2.8 (MOX).
29	12	12	35.1	38.401	N	73.141	E	106	*	4.6	0.6	22	TAJIKISTAN-XINJIANG BORDER REG.
29	12	20	05.2?	21.58	S	172.95	W	33	N	4.5	0.6	13	TONGA ISLANDS REGION
29	12	21	44.6	19.948	N	145.490	E	97	*	4.9	0.9	61	MARIANA ISLANDS
29	12	47	18.1	64.589	N	17.849	W	10	G	4.3 3.5	1.0	47	ICELAND
29	13	01	59.8	64.426	N	17.929	W	10	G	4.1	0.9	14	ICELAND
29	13	09	20.4*	25.054	S	179.822	E	500	G	4.3	1.0	22	SOUTH OF FIJI ISLANDS
29	13	18	17.6*	64.450	N	18.087	W	10	G	4.0	0.7	9	ICELAND
29	13	21	29.6*	64.463	N	17.866	W	10	G	4.1	1.2	18	ICELAND
29	13	22	29.8&	33.988	S	70.956	W	70	G		0.8	7	CHILE-ARGENTINA BORDER REGION
29	13	28	56.0*	64.391	N	17.905	W	10	G	4.2	1.4	13	ICELAND
29	13	39	14.8	64.437	N	17.761	W	10	G	4.4	1.0	50	ICELAND
29	13	54	08.7&	36.451	N	120.203	W	18				38	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM), 3.0 (PAS). ML 3.0 (BRK), 3.0 (GS).
29	13	56	29.4&	63.324	N	149.094	W	87				56	CENTRAL ALASKA. <AEIC>.
29	14	04	10.7?	20.32	S	175.59	W	150	G	4.4	1.1	15	TONGA ISLANDS
29	14	40	11.2&	59.578	N	152.563	W	79				65	SOUTHERN ALASKA. <AEIC>.
29	14	43	26.4	21.949	N	121.808	E	33	N	4.2	0.5	16	TAIWAN REGION
29	15	04	35.2?	10.79	N	61.68	W	33	N		0.5	4	TRINIDAD. MD 2.9 (TRN).
29	15	25	49.5*	6.384	S	154.809	E	33	N	4.2	1.0	15	SOLOMON ISLANDS
29	16	26	15.7?	9.45	N	126.63	E	33	N	4.6	1.2	15	MINDANAO, PHILIPPINE ISLANDS
29	17	12	25.2	52.198	N	30.058	W	10	G	4.5 3.6	0.9	81	NORTHERN MID-ATLANTIC RIDGE
29	17	41	03.4&	66.162	N	148.332	W	20	G			19	NORTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
29	17	48	57.4*	22.585	N	142.232	E	276	*	3.7	0.9	15	VOLCANO ISLANDS REGION
29	18	01	14.3	8.993	S	157.438	E	33	N	4.8	0.8	35	SOLOMON ISLANDS
29	18	18	59.6&	38.251	N	69.133	E	44	?		0.5	9	TAJIKISTAN
29	18	20	58.3&	66.168	N	148.503	W	30				46	NORTHERN ALASKA. <AEIC>. ML 3.5 (AEIC).
29	18	36	29.4&	45.779	N	0.313	E	5	G		0.9	9	FRANCE. ML 2.4 (LDG).
29	18	45	03.2&	42.922	N	0.013	E	5	G		0.7	5	PYRENEES. ML 2.4 (LDG).
29	19	10	59.6	32.442	N	141.292	E	33	N	4.7	1.0	46	SOUTH OF HONSHU, JAPAN
29	19	32	51.0?	36.04	N	3.89	W	10	G		1.0	6	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
29	19	45	06.3&	35.707	N	140.545	E	33	N		0.6	10	NEAR EAST COAST OF HONSHU, JAPAN
29	20	27	00.7&	34.199	S	71.339	W	50	G		0.2	7	NEAR COAST OF CENTRAL CHILE
29	20	45	41.0?	5.32	S	151.95	E	33	N	4.5	1.2	11	NEW BRITAIN REGION, P.N.G.
29	21	00	46.7?	31.40	S	69.82	W	170	G		0.3	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.5 (SAN).
29	21	19	50.2*	33.365	N	46.002	E	33	N	4.5	1.2	29	IRAN-IRAQ BORDER REGION. Felt at Salehabad, Iran.
29	21	36	41.9*	9.401	N	126.464	E	33	N	4.6	1.3	23	MINDANAO, PHILIPPINE ISLANDS
29	22	47	01.5*	25.092	S	179.715	E	500	G	4.5	0.7	12	SOUTH OF FIJI ISLANDS
29	23	07	00.0&	48.030	N	122.700	W	56				60	WASHINGTON. <SEA-P>. MD 3.5 (SEA). Felt on Whidbey Island. Also felt on Vancouver Island from Victoria to Sooke, British Columbia.
29	23	27	07.8*	26.344	S	27.485	E	5	G	4.4	1.1	21	REPUBLIC OF SOUTH AFRICA
29	23	39	12.6?	36.34	N	4.09	W	20	G		0.7	4	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
30	00	06	55.6*	8.705	S	130.052	E	33	N	4.2	1.5	16	TANIMBAR ISLANDS REG., INDONESIA
30	00	10	36.6&	49.119	N	125.897	W	30				37	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.2 (PGC).
30	00	12	38.1	23.337	N	143.789	E	33	D	5.1 4.9	1.0	116	VOLCANO ISLANDS REGION
30	00	13	03.5*	23.414	N	143.662	E	36	D		1.0	14	VOLCANO ISLANDS REGION
30	00	26	39.9?	23.36	N	143.64	E	33	N		1.4	6	VOLCANO ISLANDS REGION
30	00	32	03.6	0.150	S	125.268	E	33	N	5.2 5.4	1.2	63	SOUTHERN MOLUCCA SEA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:32:12.3; Lat 0.16 N; Lon 125.86 E; Dep 45.2; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.62, Plg=72, Azm=292; (N) Val=-0.45, Plg=6, Azm=41; (P) Val=-1.17, Plg=17, Azm=133; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=232, Dip=28, Slip=103; NP2: Strike=38, Dip=63, Slip=83.
30	01	16	44.1&	61.457	N	146.679	W	17				66	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
30	01	19	18.3?	23.31	N	144.50	E	33	N	4.9	0.5	9	VOLCANO ISLANDS REGION
30	01	37	22.3?	24.77	S	178.90	W	500	G	4.5	1.3	22	SOUTH OF FIJI ISLANDS
30	01	53	38.8?	59.13	S	25.10	W	33	N	4.4	1.5	15	SOUTH SANDWICH ISLANDS REGION
30	02	07	24.8*	59.115	S	24.906	W	33	N	4.7	1.2	34	SOUTH SANDWICH ISLANDS REGION
30	02	23	00.1?	23.20	N	144.18	E	33	N		0.8	6	VOLCANO ISLANDS REGION
30	02	50	39.5&	65.641	N	145.172	W	14				26	NORTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
30	03	20	04.4	10.984	N	124.885	E	33	N	5.2 4.5	0.9	40	LEYTE, PHILIPPINE ISLANDS. Felt (III RF) at Tacloban. Also felt (II RF) at Lapu-Lapu, Cebu.
30	03	36	03.6?	6.29	S	129.80	E	200	G	4.2	0.8	10	BANDA SEA
30	03	44	23.5?	33.45	S	68.73	W	10	G		0.6	12	MENDOZA PROVINCE, ARGENTINA. MD 4.1 (SAN).

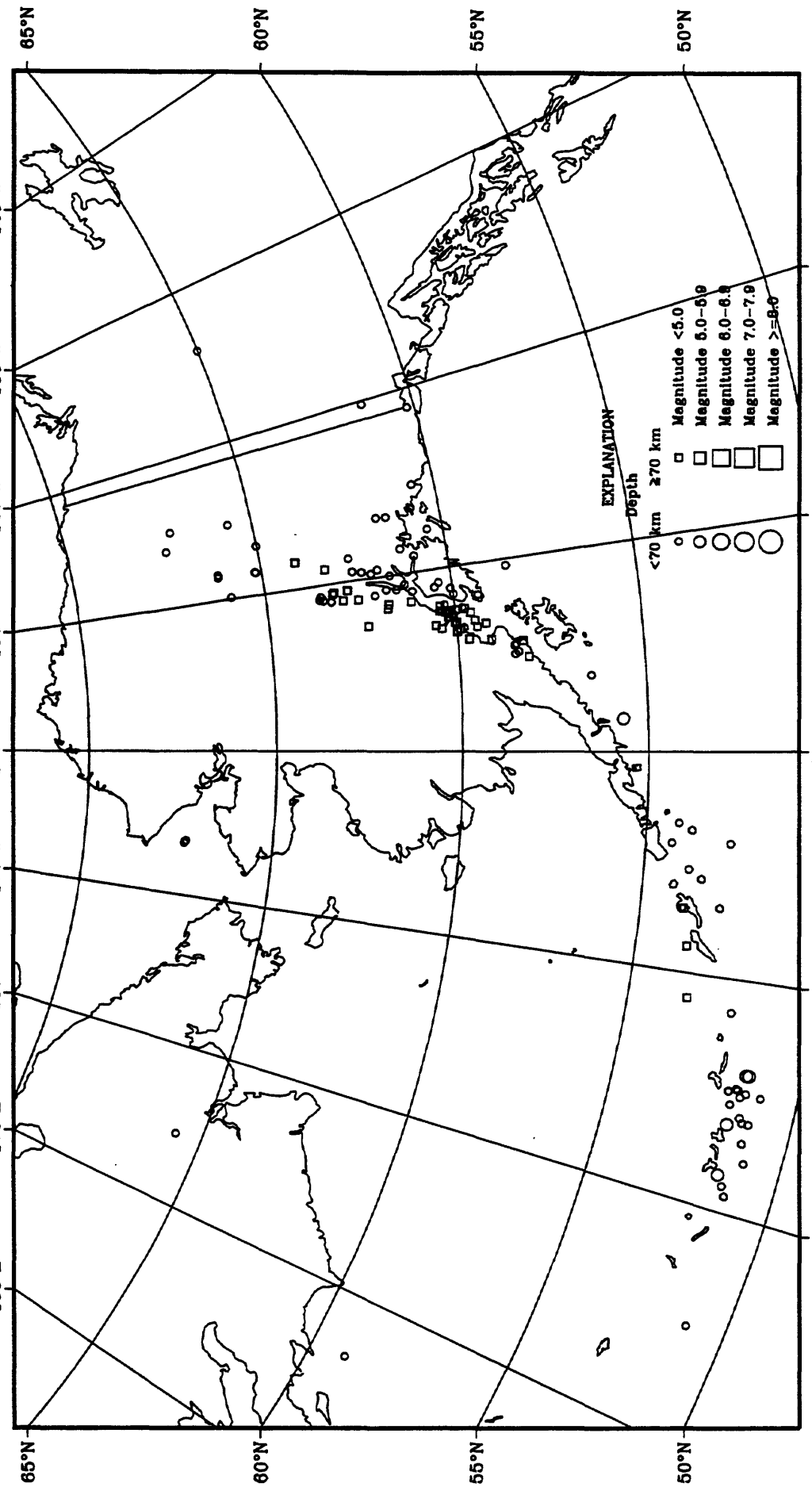
30	04	14	47.6?	15.34	S	172.41	W	33	N	4.5		1.5	26	SAMOA ISLANDS REGION
30	05	17	31.0*	31.400	S	179.826	E	400	G	4.5		1.1	46	KERMADEC ISLANDS REGION
30	05	24	38.3&	44.366	N	7.320	E	10	G			0.4	8	NORTHERN ITALY. ML 2.1 (GEN).
30	05	46	14.8*	37.153	N	16.512	E	10	G			0.5	7	IONIAN SEA. ML 3.1 (ROM).
30	05	49	50.5	54.047	N	160.005	E	102	D	5.5		0.9	337	NEAR EAST COAST OF KAMCHATKA. Felt (II) at Petropavlovsk-Kamchatskiy.
30	06	25	39.5*	25.831	N	143.478	E	33	N	4.6		0.8	8	VOLCANO ISLANDS REGION
30	07	09	08.0&	34.073	S	70.098	W	10	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
30	07	39	57.2	36.027	N	70.893	E	108	D	4.5		0.8	24	HINDU KUSH REGION, AFGHANISTAN
30	08	17	17.0*	33.256	N	141.409	E	33	N	4.9		0.4	9	OFF EAST COAST OF HONSHU, JAPAN
30	08	37	01.9	5.929	S	148.134	E	100	G	5.2		1.1	56	NEW BRITAIN REGION, P.N.G.
30	08	44	44.1&	53.275	N	142.739	E	33	N			0.8	10	SAKHALIN ISLAND
30	08	46	42.6	23.263	N	143.602	E	33	N	4.7		1.0	39	VOLCANO ISLANDS REGION
30	08	54	47.1?	9.41	N	126.28	E	33	N	4.5		1.5	14	MINDANAO, PHILIPPINE ISLANDS
30	09	07	27.4*	63.830	N	18.395	W	10	G	4.2		0.9	6	ICELAND
30	09	14	46.4&	36.236	N	120.795	W	9					30	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
30	09	22	13.1	38.014	N	14.045	E	10	G			1.5	28	SICILY. ML 3.3 (ROM).
30	10	13	28.2	6.844	S	126.885	E	400	G	4.7		1.0	39	BANDA SEA
30	10	33	03.3*	9.900	N	126.334	E	33	N	4.4		1.4	20	MINDANAO, PHILIPPINE ISLANDS
30	11	19	49.0&	60.192	N	141.045	W	2					22	SOUTHEASTERN ALASKA. <AEIC>. ML 2.7 (AEIC).
30	11	27	51.9	45.533	N	151.828	E	33	N	5.5	5.1	0.9	244	KURIL ISLANDS. Mw 5.5 (HRV). Felt (III) on Simushir. Centroid, Moment Tensor (HRV): Centroid origin time 11:27:55.5; Lat 45.65 N; Lon 152.22 E; Dep 26.8; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.39, Plg=68, Azm=275; (N) Val=-0.08, Plg=12, Azm=36; (P) Val=-2.31, Plg=18, Azm=130; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=238, Dip=29, Slip=115; NP2: Strike=31, Dip=64, Slip=77.
30	11	28	57.1*	23.029	S	169.859	E	33	N	4.6		1.5	30	LOYALTY ISLANDS REGION
30	11	45	47.1	45.463	N	151.739	E	33	N	4.9		1.1	53	KURIL ISLANDS
30	11	48	29.3?	11.01	N	61.87	W	70	G			1.3	6	WINDWARD ISLANDS. MD 3.1 (TRN).
30	14	04	39.0*	2.160	N	128.666	E	100	G	4.3		0.8	8	HALMAHERA, INDONESIA
30	15	01	40.9?	32.98	S	72.14	W	10	G			0.6	8	OFF COAST OF CENTRAL CHILE. MD 3.3 (SAN).
30	15	53	33.2	8.063	S	120.542	E	33	N	4.3		0.8	15	FLORES REGION, INDONESIA
30	16	04	02.1*	23.217	N	94.048	E	33	N	4.2		1.2	9	MYANMAR-INDIA BORDER REGION
30	16	15	13.5&	60.183	N	152.337	W	85					66	SOUTHERN ALASKA. <AEIC>.
30	16	21	20.4*	7.594	N	35.603	W	10	G			0.8	6	CENTRAL MID-ATLANTIC RIDGE
30	16	37	20.6*	45.480	N	151.779	E	33	N	4.6		1.1	29	KURIL ISLANDS
30	17	47	23.6*	23.049	N	93.992	E	33	N	4.0		0.5	7	MYANMAR-INDIA BORDER REGION
30	18	17	00.3	44.903	N	6.378	E	5	G			0.7	34	FRANCE. ML 2.7 (LDG), 2.6 (STR).
30	18	31	03.3*	19.842	S	69.011	W	134	*	4.7		1.1	12	NORTHERN CHILE
30	18	42	16.2	22.304	S	68.406	W	126	D	4.9		1.0	47	NORTHERN CHILE
30	18	52	03.5	45.537	N	151.811	E	33	N	5.5	5.1	0.9	258	KURIL ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:52:09.0; Lat 45.29 N; Lon 152.12 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.04, Plg=76, Azm=133; (N) Val=-0.12, Plg=0, Azm=224; (P) Val=-1.92, Plg=14, Azm=314; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=44, Dip=31, Slip=90; NP2: Strike=224, Dip=59, Slip=90.
30	19	31	32.8&	60.270	N	151.997	W	67					61	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
30	19	33	26.9	51.627	N	16.288	E	10	G			1.2	15	POLAND. ML 3.0 (MOX).
30	20	34	02.5*	9.762	N	126.369	E	33	N	4.5		1.2	18	MINDANAO, PHILIPPINE ISLANDS
30	20	40	17.4*	33.673	N	25.486	E	10	G			1.0	13	EASTERN MEDITERRANEAN SEA
30	20	50	43.6*	23.222	N	143.684	E	33	N	4.6		1.0	11	VOLCANO ISLANDS REGION
30	22	25	43.7*	9.266	N	125.279	E	33	N	4.5		1.0	15	MINDANAO, PHILIPPINE ISLANDS
30	22	57	33.9*	19.711	S	169.668	E	300	G	4.8		0.9	24	VANUATU ISLANDS

Compiled by Francis W. Baldwin, Pamela J. Benfield, Don L. Blakeman, George L. Choy, Stuart K. Koyanagi, John H. Minsch, Waverly J. Person, Stuart A. Sipkin and Madeleine D. Zirbes.

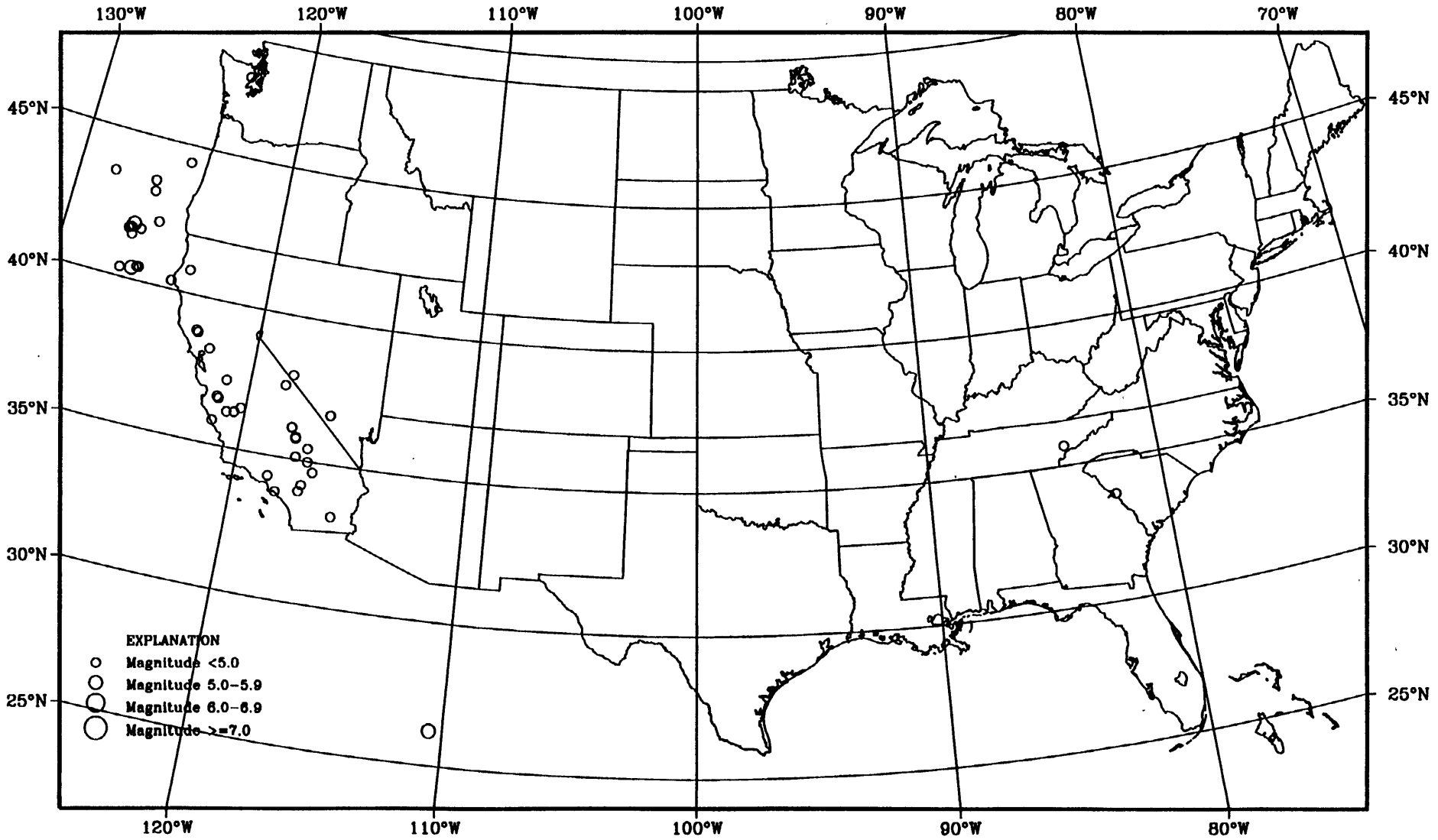
Earthquake Focal Mechanisms for September 1996



Earthquake epicenters in Alaska and adjacent regions for September 1996



Earthquake epicenters in the conterminous United States and adjacent regions for September 1996



Earthquakes located worldwide in September 1996