UNITED STATES DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS MONTHLY LISTING

APRIL – JUNE 1997

NATIONAL EARTHQUAKE INFORMATION CENTER

Open-File Report

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1998

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

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National Earthquake Information Center

APRIL 1997

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	25	03.9?	13.92	S	170.40	E	500 G	4.2		0.7	17	VANUATU ISLANDS REGION
01	00	28	38.3&	59.163	N	153.572	W	100				12	SOUTHERN ALASKA. <AEIC>.
01	00	50	03.1*	7.929	N	127.916	E	33 N	4.1		1.0	13	PHILIPPINE ISLANDS REGION
01	00	54	32.3	6.419	S	129.981	E	122 *	5.2		1.0	60	BANDA SEA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:54:37.5; Lat 6.25 S; Lon 130.05 E; Dep 128.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.12, Plg=33, Azm=263; (N) Val=-1.67, Plg=51, Azm=118; (P) Val=-6.46, Plg=18, Azm=5; Best double couple: Mo=7.3*10**16 Nm; NP1: Strike=49, Dip=53, Slip=13; NP2: Strike=311, Dip=80, Slip=142.
01	01	10	41.4	48.943	N	153.190	E	173 D	4.0		1.0	49	KURIL ISLANDS
01	01	11	59.2?	32.81	S	69.97	W	130 G			0.5	10	MENDOZA PROVINCE, ARGENTINA
01	01	36	54.8&	38.148	N	121.937	W	22				30	NORTHERN CALIFORNIA. <GM-P>. MD 3.6 (GM). ML 3.4 (BRK), 3.2 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.
01	02	35	48.8?	5.24	S	147.05	E	200 G	4.4		1.2	6	EASTERN NEW GUINEA REG., P.N.G.
01	02	48	27.3*	1.064	N	123.813	E	278 *	4.6		1.3	35	MINAHASSA PENINSULA, SULAWESI
01	05	35	43.5*	46.078	N	13.808	E	5 G			0.5	6	AUSTRIA. ML 2.3 (VIE).
01	06	26	49.5	7.076	S	129.121	E	176 *	4.5		1.1	30	BANDA SEA
01	06	33	25.0*	33.685	S	70.828	W	70 G			0.3	8	CHILE-ARGENTINA BORDER REGION
01	07	33	28.0*	37.866	N	48.914	E	33 N	3.4		0.8	9	NORTHWESTERN IRAN
01	08	03	37.4&	62.908	N	149.541	W	73				17	CENTRAL ALASKA. <AEIC>.
01	08	06	07.8?	32.33	S	71.70	W	10 G			0.7	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
01	08	24	57.6	40.555	N	116.248	W	5 G			1.1	14	NEVADA. ML 3.6 (GS).
01	08	29	20.9&	58.253	N	155.170	W	2		4.8		161	ALASKA PENINSULA. <AEIC>. ML 4.5 (AEIC), 4.6 (PMR).
01	08	57	07.2&	58.244	N	155.192	W	2 G				81	ALASKA PENINSULA. <AEIC>. ML 4.1 (AEIC).
01	09	01	17.1&	58.247	N	155.188	W	1				7	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
01	10	45	27.6?	8.46	N	82.83	W	10 G			1.3	5	PANAMA-COSTA RICA BORDER REGION. MD 3.7 (UPA).
01	10	45	54.2&	34.510	S	70.403	W	5 G			0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
01	11	15	53.9	51.557	N	16.195	E	5 G	4.2		0.7	31	POLAND. ML 4.3 (GRF), 3.9 (VIE).
01	11	25	34.5	38.161	N	31.307	E	10 G	4.3		1.0	59	TURKEY. MD 4.3 (ISK). Felt at Yalvac and in parts of Konya.
01	11	27	17.9*	12.734	N	124.543	E	66 D	4.7		0.9	16	SAMAR, PHILIPPINE ISLANDS
01	11	45	13.9&	37.046	N	3.889	W	10 G			0.6	5	SPAIN. mbLg 2.7 (MDD).
01	12	55	08.8	33.390	N	132.416	E	58 *			0.6	10	SHIKOKU, JAPAN
01	13	29	06.4*	22.151	S	179.656	W	600 G	4.6		0.9	21	SOUTH OF FIJI ISLANDS
01	14	07	23.4?	16.46	S	168.45	E	150 G	4.3		1.0	15	VANUATU ISLANDS
01	14	34	09.3*	33.134	S	178.941	W	33 N	5.0		1.1	32	SOUTH OF KERMADEC ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:34:15.9; Lat 32.58 S; Lon 178.86 W; Dep 34.8; Half-duration 1.2 sec; Principal axes (scale 10**16 Nm): (T) Val=8.33, Plg=63, Azm=237; (N) Val=1.03, Plg=18, Azm=7; (P) Val=-9.36, Plg=19, Azm=103; Best double couple: Mo=8.9*10**16 Nm; NP1: Strike=220, Dip=30, Slip=128; NP2: Strike=359, Dip=67, Slip=71.
01	14	42	35.6&	44.267	N	7.171	E	10 G			0.3	11	NORTHERN ITALY. ML 2.2 (GEN).
01	15	11	49.0	7.774	N	82.401	W	33 N	5.7	5.4	1.1	240	SOUTH OF PANAMA. Mw 6.1 (HRV), 6.0 (GS). MD 5.3 (UPA). Felt in Chiriqui Province. Moment Tensor (GS): Dep 17; Principal axes (scale 10**18 Nm): (T) Val=1.31, Plg=3, Azm=325; (N) Val=0.00, Plg=79, Azm=221; (P) Val=-1.31, Plg=10, Azm=55; Best double couple: Mo=1.3*10**18 Nm; NP1: Strike=100, Dip=81, Slip=-5; NP2: Strike=191, Dip=85, Slip=-171. Centroid, Moment Tensor (HRV): Centroid origin time 15:11:53.9; Lat 7.70 N; Lon 82.21 W; Dep 23.1; Half-duration 2.6 sec; Principal axes (scale 10**18 Nm): (T) Val=1.62, Plg=14, Azm=309; (N) Val=-0.14, Plg=76, Azm=138; (P) Val=-1.49, Plg=2, Azm=39; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=85, Dip=78, Slip=9; NP2: Strike=353, Dip=81, Slip=168.
01	15	35	35.3?	17.04	S	178.86	W	500 G	4.1		0.9	11	FIJI ISLANDS REGION
01	15	37	55.6?	4.32	S	150.20	E	400 G	4.5		0.7	8	NEW BRITAIN REGION, P.N.G.

01	15	42	33.7?	7.75	N	82.67	W	33	N		0.6	7	SOUTH OF PANAMA. MD 4.0 (UPA).
01	15	43	26.6*	15.493	S	67.107	E	10	G	4.5	0.6	12	MID-INDIAN RIDGE
01	15	47	24.5&	44.365	N	7.271	E	10	G		0.3	12	NORTHERN ITALY. ML 2.3 (GEN).
01	15	53	56.8	15.384	S	67.375	E	10	G	4.9	0.8	35	MID-INDIAN RIDGE
01	15	56	30.5&	15.681	S	66.792	E	10	G		0.4	7	MID-INDIAN RIDGE
01	16	20	00.2&	33.150	S	70.253	W	10	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
01	17	01	18.3?	14.88	S	68.07	E	10	G	4.5	0.8	6	MID-INDIAN RIDGE
01	17	09	33.5*	36.030	N	139.968	E	60	*		0.9	8	EASTERN HONSHU, JAPAN
01	18	01	20.5*	41.325	N	127.074	W	10	G	3.0	1.0	7	OFF COAST OF NORTHERN CALIFORNIA
01	18	07	28.4	44.800	N	10.584	E	5	G		1.0	33	NORTHERN ITALY. ML 2.9 (LDG), 2.9 (VIE).
01	18	33	32.2	18.298	S	69.526	W	114	D	5.9	1.0	358	NORTHERN CHILE. Mw 6.2 (GS), 6.2 (HRV). Me 5.9 (GS). mb 6.2 (BRK). Felt (V) at Iquique and (IV) at Arica, Camarones and Putre. Felt (V) at Tacna, Peru. Landslides and power outages occurred in the epicentral area.
													Broadband Source Parameters (GS): Dep 114; NP1: Strike=347, Dip=82, Slip=-55; NP2: Strike=88, Dip=36, Slip=-166; Radiated energy 1.6*10**13 Nm.
													Moment Tensor (GS): Dep 111; Principal axes (scale 10**18 Nm): (T) Val=1.98, Plg=24, Azm=112; (N) Val=-0.06, Plg=37, Azm=2; (P) Val=-1.92, Plg=43, Azm=227; Best double couple: Mo=1.9*10**18 Nm; NP1: Strike=250, Dip=40, Slip=-18; NP2: Strike=354, Dip=79, Slip=-128.
													Centroid, Moment Tensor (HRV): Centroid origin time 18:33:38.2; Lat 18.32 S; Lon 69.54 W; Dep 117.7; Half-duration 2.8 sec; Principal axes (scale 10**18 Nm): (T) Val=2.08, Plg=25, Azm=90; (N) Val=-0.36, Plg=27, Azm=347; (P) Val=-1.72, Plg=52, Azm=216; Best double couple: Mo=1.9*10**18 Nm; NP1: Strike=222, Dip=32, Slip=-30; NP2: Strike=339, Dip=75, Slip=-118.
01	18	37	18.6&	38.156	N	121.939	W	21				18	NORTHERN CALIFORNIA. <GM-P>. MD 3.4 (GM). ML 3.1 (BRK). Felt at Concord, Fairfield, Martinez and Pittsburg.
01	18	42	14.0	18.351	S	69.347	W	116	D	5.8	1.0	337	NORTHERN CHILE. Mw 6.2 (HRV), 6.1 (GS). Felt in the Arica-Iquique area. Also felt in the Tacna area, Peru.
													Moment Tensor (GS): Dep 108; Principal axes (scale 10**18 Nm): (T) Val=1.72, Plg=32, Azm=88; (N) Val=0.04, Plg=31, Azm=336; (P) Val=-1.76, Plg=42, Azm=212; Best double couple: Mo=1.7*10**18 Nm; NP1: Strike=233, Dip=32, Slip=-11; NP2: Strike=332, Dip=84, Slip=-121.
													Centroid, Moment Tensor (HRV): Centroid origin time 18:42:18.1; Lat 18.07 S; Lon 69.62 W; Dep 106.4; Half-duration 2.9 sec; Principal axes (scale 10**18 Nm): (T) Val=2.30, Plg=27, Azm=68; (N) Val=-0.70, Plg=13, Azm=331; (P) Val=-1.60, Plg=59, Azm=218; Best double couple: Mo=2.0*10**18 Nm; NP1: Strike=188, Dip=21, Slip=-51; NP2: Strike=327, Dip=74, Slip=-104.
01	21	07	45.0&	34.758	N	4.824	W	10	G		0.6	9	MOROCCO. MD 3.5 (MDD).
01	21	23	26.0*	19.223	N	145.039	E	415	*	3.9	0.9	25	MARIANA ISLANDS
01	21	52	01.5?	25.78	N	126.88	E	33	N	3.8	1.0	10	RYUKYU ISLANDS
01	21	59	42.3	48.323	N	8.912	E	5	G		1.2	12	GERMANY. ML 2.5 (STR), 2.3 (FUR), 2.2 (GRF).
01	22	04	36.8	34.229	N	28.605	E	33	N	3.8	1.1	29	EASTERN MEDITERRANEAN SEA
01	22	14	59.7&	34.034	S	70.094	W	10	G		0.7	10	CHILE-ARGENTINA BORDER REGION
01	22	25	08.8&	54.579	N	159.582	W	10				13	SOUTH OF ALASKA. <AEIC>. ML 3.3 (AEIC).
01	22	29	38.2*	9.176	S	158.642	E	33	N	4.0	0.6	11	SOLOMON ISLANDS
01	23	37	38.6*	38.730	N	36.881	E	10	G	4.0	1.3	17	TURKEY. MD 4.1 (ISK).
02	00	01	23.8	44.348	N	152.969	E	33	N	5.3 4.7	0.9	203	EAST OF KURIL ISLANDS. Mw 5.3 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 00:01:22.5; Lat 44.53 N; Lon 153.37 E; Dep 19.0 Bdy; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=9.90, Plg=1, Azm=339; (N) Val=0.08, Plg=47, Azm=70; (P) Val=-9.97, Plg=43, Azm=248; Best double couple: Mo=9.9*10**16 Nm; NP1: Strike=32, Dip=60, Slip=-148; NP2: Strike=285, Dip=62, Slip=-34.
02	00	06	58.3*	55.074	S	126.604	W	10	G	4.3	0.9	19	SOUTHERN EAST PACIFIC RISE
02	00	19	11.3*	17.640	N	94.099	W	200	G	3.6	1.1	25	CHIAPAS, MEXICO
02	02	11	47.1&	63.525	N	147.878	W	16				46	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
02	02	42	27.6	30.036	N	51.588	E	33	N	4.4	0.8	41	NORTHERN IRAN
02	02	45	29.8?	35.40	N	26.90	E	33	N	4.0	1.4	15	CRETE
02	02	54	12.3?	33.49	S	72.24	W	10	G		0.4	10	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
02	03	04	40.8*	58.256	S	25.461	W	33	N	4.9	1.1	38	SOUTH SANDWICH ISLANDS REGION. Mw 5.0 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 03:04:46.8; Lat 58.69 S; Lon 25.57 W; Dep 50.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.18, Plg=79, Azm=304; (N) Val=1.09, Plg=8, Azm=169; (P) Val=-4.27, Plg=8, Azm=78; Best double couple: Mo=3.7*10**16 Nm; NP1: Strike=159, Dip=38, Slip=77; NP2: Strike=355, Dip=53, Slip=100.
02	03	25	19.1&	37.612	N	118.886	W	3				15	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.3 (BRK).
02	03	26	21.9?	11.53	N	125.36	E	33	N	4.5	0.9	11	SAMAR, PHILIPPINE ISLANDS
02	04	18	21.8?	45.02	N	148.98	E	33	N	3.9	0.6	9	KURIL ISLANDS
02	06	14	31.0	11.412	N	60.942	W	45	G	5.8 5.5	1.1	321	WINDWARD ISLANDS. Mw 6.1 (GS), 6.1 (HRV). MD 5.6 (TRN). Some damage to buildings on Trinidad and Tobago. Felt (VI) on Tobago; (IV) on Trinidad; (II) on Martinique and St. Vincent. Also felt (II) in Guyana.
													Moment Tensor (GS): Dep 46; Principal axes (scale 10**18 Nm): (T) Val=1.56, Plg=12, Azm=320; (N) Val=-0.09, Plg=72, Azm=88; (P) Val=-1.47, Plg=14, Azm=227; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=3, Dip=72, Slip=-178; NP2: Strike=273, Dip=88, Slip=-18.
													Centroid, Moment Tensor (HRV): Centroid origin time 06:14:35.6; Lat 11.39 N; Lon 60.74 W; Dep 34.0; Half-duration 2.6 sec; Principal axes (scale 10**18 Nm): (T) Val=1.42, Plg=7, Azm=303; (N) Val=0.18, Plg=66, Azm=50; (P)

Val=-1.59, Plg=23, Azm=210; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=349, Dip=69, Slip=-168: NP2: Strike=255, Dip=79, Slip=-22.

02	07	08	55.9%	48.177	N	0.620	W	5	G		0.9	6	FRANCE. ML 1.9 (LDG).
02	07	17	00.5&	60.081	N	153.146	W	123				47	SOUTHERN ALASKA. <AEIC>.
02	07	21	17.9?	11.53	N	60.59	W	10	G	4.3	0.8	7	WINDWARD ISLANDS
02	07	32	34.3	24.562	S	69.553	W	50	G	4.6	1.0	31	NORTHERN CHILE
02	07	32	36.7?	8.65	N	126.83	E	33	N	4.4	1.3	11	MINDANAO, PHILIPPINE ISLANDS
02	08	45	05.0%	33.222	S	70.473	W	95	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.3 (SAN).
02	08	46	06.2?	37.10	N	4.24	W	10	G		0.8	4	SPAIN. mbLg 2.3 (MDD).
02	09	06	05.6*	9.588	S	113.993	E	33	N	4.1	1.2	6	SOUTH OF JAWA, INDONESIA
02	10	06	02.1?	12.50	S	110.48	W	10	G	4.6	1.3	7	CENTRAL EAST PACIFIC RISE
02	10	06	28.8*	10.447	S	163.511	E	33	N	4.0	1.4	12	SOLOMON ISLANDS
02	13	50	42.2?	33.48	S	72.20	W	15	G		0.4	10	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
02	14	55	15.8*	5.410	S	78.507	W	33	N	3.6	0.7	14	NORTHERN PERU
02	14	56	16.4?	20.51	N	145.35	E	100	G	4.0	1.2	6	MARIANA ISLANDS
02	15	03	55.4*	51.042	N	15.758	E	5	G		0.6	7	POLAND. ML 3.5 (VIE).
02	15	45	46.6&	67.688	N	148.710	W	17				26	NORTHERN ALASKA. <AEIC>. ML 3.3 (AEIC).
02	15	54	49.7?	9.63	N	40.56	W	10	G		1.5	6	CENTRAL MID-ATLANTIC RIDGE
02	16	02	19.1	53.080	N	159.807	E	48	D	4.5	1.0	39	NEAR EAST COAST OF KAMCHATKA
02	16	10	38.0*	42.094	N	26.331	E	10	G		0.8	8	BULGARIA. MD 3.3 (ISK).
02	17	26	24.1&	63.263	N	151.045	W	8				13	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
02	17	46	26.5	45.057	N	10.487	E	10	G		0.8	18	NORTHERN ITALY. ML 2.5 (LDG).
02	18	11	50.6*	51.849	N	172.861	W	33	N	4.0	1.3	19	ANDREANOF ISLANDS, ALEUTIAN IS.
02	18	25	50.1	51.816	N	173.718	W	33	N	5.1 5.2	1.1	245	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.7 (HRV). ML 5.4 (PMR). Felt (IV) on Atka. Centroid, Moment Tensor (HRV): Centroid origin time 18:25:53.4; Lat 51.81 N; Lon 173.60 W; Dep 40.8; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=3.56, Plg=73, Azm=329; (N) Val=0.45, Plg=1, Azm=64; (P) Val=-4.01, Plg=17, Azm=154; Best double couple: Mo=3.8*10**17 Nm; NP1: Strike=246, Dip=28, Slip=93; NP2: Strike=63, Dip=62, Slip=89.
02	18	42	07.4	39.465	N	76.702	E	33	N	4.5	0.8	49	SOUTHERN XINJIANG, CHINA
02	19	33	22.2	31.824	N	130.089	E	10	G	5.1 5.0	1.4	120	KYUSHU, JAPAN. Mw 5.5 (HRV). At least four people injured, five buildings damaged, landslides and road damage in Kagoshima Prefecture. Felt (V JMA) at Akune, Miyanojo and Sendai. Felt in parts of Kumamoto and Miyazaki Prefectures. Centroid, Moment Tensor (HRV): Centroid origin time 19:33:26.5; Lat 31.82 N; Lon 130.17 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.14, Plg=23, Azm=321; (N) Val=-0.62, Plg=66, Azm=128; (P) Val=-1.52, Plg=5, Azm=229; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=2, Dip=70, Slip=166; NP2: Strike=97, Dip=77, Slip=20.
02	21	00	34.3*	31.489	S	179.550	W	33	N	4.3	0.4	6	KERMADEC ISLANDS REGION
02	21	01	03.0*	3.421	N	95.522	E	100	G		1.1	10	OFF W COAST OF NORTHERN SUMATERA
02	21	33	18.7*	7.064	S	129.546	E	100	G	3.7	1.4	7	BANDA SEA
02	21	47	30.9	33.357	N	132.223	E	46	D	4.9 4.6	0.9	121	SHIKOKU, JAPAN. Mw 5.1 (HRV). Felt (IV JMA) at Uwajima. Felt (IV JMA) at Kamae, Kyushu. Also felt in the Chugoku region, Honshu. Centroid, Moment Tensor (HRV): Centroid origin time 21:47:38.0; Lat 33.55 N; Lon 131.66 E; Dep 46.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.25, Plg=27, Azm=236; (N) Val=0.43, Plg=1, Azm=145; (P) Val=-5.68, Plg=63, Azm=54; Best double couple: Mo=5.5*10**16 Nm; NP1: Strike=328, Dip=18, Slip=-87; NP2: Strike=145, Dip=72, Slip=-91.
02	22	05	12.6*	10.231	N	93.371	E	33	N		1.0	15	ANDAMAN ISLANDS, INDIA
02	22	12	43.3&	61.745	N	150.448	W	53				18	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
02	22	18	57.4*	34.825	N	25.949	E	33	N	3.8	1.4	34	CRETE
02	22	23	22.4%	36.924	N	5.357	W	10	G		0.4	8	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
02	22	27	09.0&	38.168	N	121.933	W	22				8	NORTHERN CALIFORNIA. <GM-P>. MD 2.7 (GM).
02	22	32	20.4%	47.766	N	2.015	W	5	G		0.2	7	FRANCE. ML 1.7 (LDG).
02	22	36	46.6*	24.671	N	121.882	E	50	G	3.5	0.9	8	TAIWAN
02	22	49	49.5*	39.550	N	76.289	E	33	N		0.9	7	SOUTHERN XINJIANG, CHINA
03	00	44	41.5*	16.047	S	168.143	E	50	G	5.0	0.9	28	VANUATU ISLANDS
03	00	56	40.3?	39.64	N	29.07	E	10	G		1.3	4	TURKEY. MD 2.7 (ISK).
03	01	22	29.4?	37.10	N	3.85	W	10	G		0.2	4	SPAIN. mbLg 1.8 (MDD).
03	01	56	12.6?	1.27	N	101.45	W	10	G	4.0	0.8	11	EAST CENTRAL PACIFIC OCEAN
03	02	07	32.0*	28.859	N	130.259	E	33	N	4.2	1.5	17	RYUKYU ISLANDS
03	02	58	17.3	57.043	N	33.565	W	10	G	4.4 4.2	1.2	60	NORTH ATLANTIC OCEAN
03	03	39	25.5?	11.49	N	126.03	E	100	G	4.3	0.9	9	PHILIPPINE ISLANDS REGION
03	04	03	10.8	5.830	S	146.855	E	100	G	5.3	1.1	62	EASTERN NEW GUINEA REG., P.N.G.
03	04	35	22.5?	4.63	S	126.64	E	50	G		1.1	5	BANDA SEA
03	04	44	12.0&	45.980	N	72.330	W	5	G			4	SOUTHERN QUEBEC, CANADA. <OTT>. mbLg 3.5 (OTT). Felt in the Drummondville area.
03	05	17	24.7	57.156	N	33.626	W	10	G	4.7 4.8	1.1	118	NORTH ATLANTIC OCEAN. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:17:28.8; Lat 57.14 N; Lon 33.40 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.47, Plg=7, Azm=112; (N) Val=0.20, Plg=1, Azm=202; (P) Val=-7.66, Plg=83, Azm=299; Best double couple: Mo=7.6*10**16 Nm; NP1: Strike=201, Dip=38, Slip=-91; NP2: Strike=23, Dip=52, Slip=-89.
03	06	13	57.8	1.969	N	126.824	E	50	G	4.9	1.1	44	NORTHERN MOLUCCA SEA
03	06	24	59.8*	4.273	S	154.252	E	448	D	4.4	1.0	21	SOLOMON ISLANDS
03	06	29	59.6%	33.123	S	70.194	W	110	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
03	07	56	44.5?	57.89	N	33.04	W	10	G		0.8	6	NORTH ATLANTIC OCEAN
03	08	16	26.5*	18.954	N	145.703	E	179	D	4.5	1.3	19	MARIANA ISLANDS
03	10	03	49.3*	57.516	N	33.197	W	10	G		0.9	11	NORTH ATLANTIC OCEAN
03	10	25	15.3?	53.31	N	174.33	E	33	N		1.2	7	NEAR ISLANDS, ALEUTIAN ISLANDS
03	12	22	49.2*	49.987	N	175.691	W	33	N		1.4	25	SOUTH OF ALEUTIAN ISLANDS

03	13	20	30.2	44.801	N	10.532	E	10	G		1.1	29	NORTHERN ITALY. ML 3.0 (VIE), 2.9 (LDG).
03	14	15	03.0	79.976	N	0.201	E	10	G	4.3 3.5	1.2	33	GREENLAND SEA
03	14	23	55.7%	18.432	N	145.488	E	500	G		1.0	8	MARIANA ISLANDS
03	14	35	10.7*	79.463	N	3.158	E	10	G		1.4	16	GREENLAND SEA
03	15	25	07.8*	52.656	N	176.847	W	200	G		0.7	8	ANDREANOF ISLANDS, ALEUTIAN IS.
03	15	45	35.4?	11.16	N	60.95	W	10	G		0.3	4	WINDWARD ISLANDS. MD 3.2 (TRN).
03	16	26	23.9	5.354	S	103.190	E	42	D	4.8 4.4	1.0	53	SOUTHERN SUMATERA, INDONESIA
03	16	31	20.4	79.547	N	4.077	E	10	G	3.9	0.8	22	GREENLAND SEA
03	17	15	02.7*	41.703	N	14.759	E	10	G		1.4	15	SOUTHERN ITALY
03	17	33	38.7	31.873	N	130.398	E	10	G	4.4 4.3	1.3	29	KYUSHU, JAPAN
03	17	48	58.2	6.747	S	154.646	E	33	N	3.9	0.9	13	SOLOMON ISLANDS
03	17	53	10.5%	11.415	N	60.991	W	10	G		0.5	5	WINDWARD ISLANDS. MD 3.0 (TRN).
03	19	17	49.1?	11.44	N	60.99	W	10	G		0.3	4	WINDWARD ISLANDS. MD 3.1 (TRN).
03	19	17	57.7*	2.135	N	126.513	E	33	N	4.7	1.1	19	NORTHERN MOLUCCA SEA
03	20	09	22.8%	11.400	N	60.961	W	10	G		0.5	5	WINDWARD ISLANDS. MD 2.7 (TRN).
03	20	41	43.7*	39.529	N	76.659	E	33	N	4.4	1.3	25	SOUTHERN XINJIANG, CHINA
03	21	22	28.3	18.144	N	98.221	W	57	D	5.1	1.0	177	CENTRAL MEXICO. Mw 5.2 (HRV). Felt at Mexico City. Centroid, Moment Tensor (HRV): Centroid origin time 21:22:35.2; Lat 18.51 N; Lon 98.10 W; Dep 51.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.79, Plg=18, Azm=166; (N) Val=0.67, Plg=1, Azm=75; (P) Val=-7.45, Plg=72, Azm=342; Best double couple: Mo=7.1*10**16 Nm; NP1: Strike=258, Dip=27, Slip=-87; NP2: Strike=75, Dip=63, Slip=-91.
03	21	42	02.0	44.371	N	7.339	E	10	G		0.6	36	NORTHERN ITALY. ML 2.8 (LDG), 2.7 (GEN), 2.6 (STR).
03	22	27	16.2%	44.344	N	7.313	E	10	G		0.4	6	NORTHERN ITALY. ML 1.8 (GEN).
03	22	29	14.6%	37.751	N	14.951	E	10	G		0.4	7	SICILY. ML 3.0 (ROM).
03	22	38	53.8*	7.382	S	129.384	E	33	N	4.2	0.9	10	BANDA SEA
03	22	40	36.5	53.433	N	160.396	E	33	N	5.0 4.3	0.8	142	NEAR EAST COAST OF KAMCHATKA. Felt (II) at Petropavlovsk-Kamchatskiy.
03	23	23	42.1?	42.30	N	142.35	E	118	?		1.4	6	HOKKAIDO, JAPAN REGION
03	23	52	04.0?	20.66	N	146.86	E	100	G	3.2	1.1	7	MARIANA ISLANDS REGION
03	23	55	16.2	23.108	S	66.627	W	211	*	4.3	0.9	21	JUJUY PROVINCE, ARGENTINA
04	00	13	27.7%	45.527	N	1.396	E	5	G		0.4	5	FRANCE. ML 2.0 (LDG).
04	00	17	49.0%	33.201	S	70.425	W	100	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
04	00	58	35.5?	32.75	S	71.80	W	15	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
04	01	02	23.8&	60.203	N	150.804	W	54				18	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
04	01	03	32.3?	39.65	N	76.32	E	33	N	3.8	1.5	7	SOUTHERN XINJIANG, CHINA
04	01	10	30.6&	53.832	N	162.882	W	7				12	SOUTH OF ALASKA. <AEIC>. ML 3.2 (AEIC).
04	02	35	44.8*	57.893	S	25.599	W	33	N	4.8	0.9	35	SOUTH SANDWICH ISLANDS REGION
04	02	42	00.9	30.565	N	69.438	E	33	N	4.7	0.9	25	PAKISTAN
04	03	00	20.4?	32.10	S	71.32	W	40	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
04	04	07	17.7?	39.27	N	27.15	E	10	G		0.4	5	TURKEY. MD 3.1 (ISK).
04	04	16	41.5%	39.294	N	27.305	E	10	G		0.6	6	TURKEY. MD 3.3 (ISK).
04	05	13	30.7	50.404	N	18.825	E	10	G		0.9	11	POLAND. ML 3.5 (VIE).
04	05	31	04.1%	37.374	N	2.119	W	10	G		0.9	11	SPAIN. mbLg 3.0 (MDD). Felt (II) in the epicentral area.
04	05	52	37.6	41.295	N	14.564	E	100	G	4.4	0.6	10	SOUTHERN ITALY
04	06	19	21.0*	12.165	N	143.862	E	33	N	4.2	1.0	17	SOUTH OF MARIANA ISLANDS
04	06	20	26.0?	11.41	N	60.96	W	10	G		0.7	4	WINDWARD ISLANDS. MD 2.5 (TRN).
04	06	49	43.3	12.019	N	86.401	W	94	D	4.7	1.1	123	NICARAGUA. MD 5.1 (UPA). Felt at Managua.
04	07	34	10.3%	11.368	N	60.970	W	10	G		0.5	6	WINDWARD ISLANDS. MD 3.2 (TRN).
04	07	35	33.7*	45.618	N	151.928	E	33	N	4.2	1.3	26	KURIL ISLANDS
04	07	52	25.6*	15.598	S	70.219	W	50	G		1.5	7	SOUTHERN PERU
04	07	53	12.3*	8.277	N	76.990	W	33	N	3.6	1.2	18	NEAR NORTH COAST OF COLOMBIA
04	08	12	50.5%	11.290	N	60.958	W	10	G		0.9	7	WINDWARD ISLANDS. MD 3.4 (TRN).
04	08	31	31.4*	41.561	N	23.752	E	10	G		1.5	10	GREECE-BULGARIA BORDER REGION. ML 2.8 (SKO).
04	08	40	28.5%	11.370	N	60.960	W	10	G		0.5	6	WINDWARD ISLANDS. MD 3.0 (TRN).
04	09	07	11.5%	7.513	N	82.263	W	10	G		1.1	8	SOUTH OF PANAMA
04	09	26	24.5&	33.983	N	118.354	W	4				30	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.3 (PAS). Felt at Inglewood and Los Angeles.
04	09	30	13.0?	32.56	S	71.93	W	15	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
04	09	35	09.4&	33.987	N	118.357	W	5				5	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.4 (PAS). Felt.
04	09	56	43.6*	30.212	N	67.948	E	33	N	3.8	1.0	17	PAKISTAN
04	10	00	18.9%	40.121	N	29.266	E	10	G		0.4	5	TURKEY
04	10	03	38.5	40.157	N	29.280	E	10	G		1.2	8	TURKEY. MD 3.5 (ISK).
04	10	06	19.5%	40.133	N	29.297	E	10	G		0.6	9	TURKEY. MD 3.7 (ISK). Felt at Bursa.
04	10	11	00.5%	40.072	N	29.317	E	10	G		0.6	7	TURKEY. MD 2.9 (ISK).
04	10	25	32.7	14.388	S	62.586	E	10	G	4.9	0.7	47	SOUTH INDIAN OCEAN
04	10	53	45.2?	8.27	S	129.15	E	33	N	4.1	1.5	12	TIMOR SEA
04	11	11	09.6?	39.33	N	27.72	E	10	G		0.7	8	TURKEY. MD 3.3 (ISK).
04	11	24	37.1?	42.39	N	125.35	W	10	G		0.4	8	OFF COAST OF OREGON
04	12	18	41.5?	12.05	N	86.66	W	33	N	4.0	1.5	17	NICARAGUA
04	13	00	59.3*	34.341	N	138.348	E	258			0.8	11	NEAR S. COAST OF HONSHU, JAPAN
04	14	01	06.4	13.846	N	90.860	W	66	D	5.0	1.3	122	NEAR COAST OF GUATEMALA. MD 4.4 (SSS). Felt along the south coast of Guatemala and at Guatemala City. Also felt (III) at San Salvador, El Salvador.
04	15	41	21.0?	44.38	N	7.36	E	10	G		0.2	4	NORTHERN ITALY. ML 1.4 (GEN).
04	15	42	10.3?	13.07	N	89.33	W	100	G	3.4	0.5	12	EL SALVADOR. MD 3.0 (SSS). Felt (II) at San Salvador.
04	15	53	06.6	3.600	S	152.795	E	100	G	4.7	0.9	42	NEW IRELAND REGION, P.N.G.
04	16	03	19.7*	9.987	S	74.855	W	150	G	3.0	0.6	8	CENTRAL PERU
04	17	01	10.9&	54.719	N	161.811	W	66				16	ALASKA PENINSULA. <AEIC>. ML 2.6 (AEIC).
04	17	06	20.6?	12.56	N	86.51	W	100	G		0.3	9	NICARAGUA
04	17	34	52.1	44.426	N	6.442	E	5	G		0.6	32	FRANCE. ML 2.4 (LDG), 2.4 (GEN), 2.1 (STR).
04	18	05	09.1?	27.30	N	92.65	E	33	N		0.7	6	EASTERN XIZANG-INDIA BORDER REG.
04	18	06	02.3%	44.459	N	6.400	E	5	G		0.5	5	FRANCE. ML 2.0 (LDG).
04	19	09	35.7?	30.53	N	141.16	E	10	G	4.0	0.6	9	SOUTH OF HONSHU, JAPAN
04	19	29	55.9%	36.459	N	4.608	W	74	*		0.8	16	STRAIT OF GIBRALTAR
04	20	42	23.2*	6.053	S	146.627	E	33	N	3.8	1.0	8	EASTERN NEW GUINEA REG., P.N.G.
04	20	52	57.8%	46.855	N	7.037	E	5	G		0.7	8	SWITZERLAND. ML 2.1 (LDG).
04	20	59	35.5?	24.75	N	142.26	E	148	*	4.0	1.1	10	VOLCANO ISLANDS REGION
04	21	27	43.8?	16.23	S	174.31	W	33	N	4.3	0.8	19	TONGA ISLANDS
04	22	53	19.8?	7.37	N	82.44	W	10	G		1.0	8	SOUTH OF PANAMA. MD 3.8 (UPA).
05	00	28	27.6*	5.534	S	152.092	E	33	N	4.2	0.9	10	NEW BRITAIN REGION, P.N.G.

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05  02 06 19.2& 37.006 N    3.713 W   10 G          0.4    5  SPAIN. mbLg 2.1 (MDD).
05  02 58 40.4& 45.431 N    6.687 E    5 G          0.4    5  FRANCE. ML 1.8 (LDG).
05  03 35 08.1* 51.397 N   15.779 E    5 G          1.1    7  POLAND. MG 2.5 (WAR).
05  04 02 37.0  65.795 N  136.434 W   10 G          1.2   14  NORTHERN YUKON TERRITORY, CANADA. ML 4.1 (PGC).
05  04 24 51.0  31.949 N  130.430 E   33 N  4.7 4.8  0.9   41  KYUSHU, JAPAN. Mw 5.1 (HRV). Felt (V JMA) at Miyanojo and
                                                                 Sendai.
                                                                Centroid, Moment Tensor (HRV): Centroid origin time
                                                                 04:24:57.0; Lat 32.35 N; Lon 130.11 E; Dep 33.0 Fix; Half-
                                                                 duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                 Val=5.32, Plg=6, Azm=148; (N) Val=-0.51, Plg=66, Azm=252;
                                                                 (P) Val=-4.81, Plg=23, Azm=55; Best double couple:
                                                                 Mo=5.1*10**16 Nm; NP1: Strike=194, Dip=69, Slip=-168; NP2:
                                                                 Strike=99, Dip=78, Slip=-21.
05  04 38 51.9* 20.274 N  122.967 E   33 N  3.7        1.5    8  PHILIPPINE ISLANDS REGION
05  04 47 58.7* 19.237 S  173.614 W   33 N  4.9 5.0  1.0   32  TONGA ISLANDS
05  05 06 17.1& 55.463 N  157.543 W   26    3.3           27  ALASKA PENINSULA. <AEIC>. ML 3.8 (AEIC), 3.7 (PMR). Felt
                                                                 (III) at Sand Point.
05  05 11 54.4* 51.655 N   16.275 E    5 G          1.1    8  POLAND. MG 2.2 (WAR).
05  05 33 29.8& 44.402 N    6.348 E    5 G          0.7    9  FRANCE. ML 1.8 (LDG).
05  05 57 19.7& 40.537 N  124.792 W   12                65  NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.8 (GM). ML 4.1
                                                                 (BRK), 4.0 (GS).
05  05 58 07.7& 34.326 N  119.365 W    1                18  SOUTHERN CALIFORNIA. <PAS-P>. MD 2.8 (PAS).
05  06 39 37.1& 44.971 N    3.100 E    5 G          1.0    5  FRANCE. ML 2.3 (LDG).
05  06 43 26.4& 45.042 N    3.060 E    5 G          1.4    5  FRANCE. ML 2.1 (LDG).
05  06 47 54.1* 37.544 N  137.819 E   33 N          1.2    8  NEAR WEST COAST OF HONSHU, JAPAN
05  06 49 14.5& 43.955 N    7.489 E    5 G          0.7    6  NEAR SOUTH COAST OF FRANCE. ML 1.9 (LDG).
05  07 06 29.5* 11.356 N   60.797 W   10 G  4.2     1.4   14  WINDWARD ISLANDS. MD 3.6 (TRN). Felt slightly at
                                                                 Scarborough, Trinidad and Tobago.
05  07 17 45.6* 23.533 S  179.947 W  500 G  4.5     0.9   23  SOUTH OF FIJI ISLANDS
05  07 45 00.6* 16.883 N   98.019 W  168 D  4.7     1.0   43  NEAR COAST OF GUERRERO, MEXICO
05  07 58 53.3? 37.82  N   21.88  E   33 N  3.8     1.4   11  SOUTHERN GREECE
05  08 10 08.1? 38.09  N   21.37  E   33 N  3.6     1.5   12  GREECE
05  08 19 44.4* 11.598 S  166.114 E   33 N  4.8     1.1   29  SANTA CRUZ ISLANDS
05  09 32 02.0? 11.83  N   87.83  W   33 N  3.9     1.0    6  NEAR COAST OF NICARAGUA
05  09 50 13.5& 62.654 N  149.450 W   62                24  CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
05  10 17 15.7? 28.70  N  128.90  E   33 N  3.5     1.3    7  RYUKYU ISLANDS
05  10 39 28.0* 47.244 N  153.409 E   33 N  3.8     0.8   11  KURIL ISLANDS
05  11 29 21.8* 44.350 N  148.232 E   33 N  3.7     1.0   11  KURIL ISLANDS
05  12 07 21.9& 63.219 N  150.623 W  132    3.6           120  CENTRAL ALASKA. <AEIC>.
05  12 18 04.7? 18.82  S  177.86  W  500 G  4.2     1.0   15  FIJI ISLANDS REGION
05  12 23 30.5   6.485 S  147.408 E   69 D  6.1     0.9  365  EASTERN NEW GUINEA REG., P.N.G. Mw 6.5 (HRV), 6.4 (GS). Me
                                                                 6.2 (GS).
                                                                Broadband Source Parameters (GS): Dep 69; NP1: Strike=245,
                                                                 Dip=55, Slip=-60; NP2: Strike=20, Dip=45, Slip=-126;
                                                                 Radiated energy 5.2*10**13 Nm.
                                                                Moment Tensor (GS): Dep 66; Principal axes (scale 10**18
                                                                 Nm): (T) Val=5.40, Plg=5, Azm=2; (N) Val=-1.19, Plg=6,
                                                                 Azm=271; (P) Val=-4.21, Plg=82, Azm=133; Best double
                                                                 couple: Mo=4.8*10**18 Nm; NP1: Strike=98, Dip=40, Slip=-81;
                                                                 NP2: Strike=266, Dip=50, Slip=-97.
                                                                Centroid, Moment Tensor (HRV): Centroid origin time
                                                                 12:23:37.0; Lat 6.57 S; Lon 147.67 E; Dep 53.1; Half-
                                                                 duration 3.9 sec; Principal axes (scale 10**18 Nm): (T)
                                                                 Val=6.55, Plg=3, Azm=6; (N) Val=-1.91, Plg=5, Azm=96; (P)
                                                                 Val=-4.65, Plg=84, Azm=244; Best double couple:
                                                                 Mo=5.6*10**18 Nm; NP1: Strike=91, Dip=42, Slip=-97; NP2:
                                                                 Strike=281, Dip=48, Slip=-84.
05  13 31 13.1& 60.332 N  152.161 W   86    2.2           25  SOUTHERN ALASKA. <AEIC>.
05  13 36 51.4?  6.13  S  147.61  E   33 N  3.7     1.0    8  EASTERN NEW GUINEA REG., P.N.G.
05  13 39 06.5? 15.68  N   98.43  W   33 N  3.9     1.0   11  OFF COAST OF GUERRERO, MEXICO
05  13 53 42.9? 14.78  N   98.17  W   33 N  4.5     1.3    8  OFF COAST OF GUERRERO, MEXICO
05  14 31 21.6  21.661 N  143.079 E  300 G  3.7     0.9   26  MARIANA ISLANDS REGION
05  14 33 25.2& 33.986 N  118.359 W    4                 5  SOUTHERN CALIFORNIA. <PAS-P>. MD 2.5 (PAS). Felt.
05  14 40 32.2? 22.25  S   69.72  W  150 G          1.0    8  NORTHERN CHILE
05  15 09 22.6* 28.619 N  128.890 E   33 N  4.1     0.9    8  RYUKYU ISLANDS
05  15 40 17.8* 17.898 S  178.555 W  600 G  4.6     0.8   27  FIJI ISLANDS REGION
05  15 46 58.5* 19.441 S  173.531 W   33 N  4.7     1.0   25  TONGA ISLANDS
05  15 56 53.5  28.741 N  128.670 E   33 N  4.4     1.2   20  RYUKYU ISLANDS
05  16 45 07.2* 28.805 N  128.565 E   33 N  4.2     0.9   11  RYUKYU ISLANDS
05  16 45 57.9& 23.688 S   70.419 W  150 G          1.1    6  NEAR COAST OF NORTHERN CHILE
05  17 04 03.3  11.068 N   61.021 W   54    4.7 4.4  1.1  100  WINDWARD ISLANDS. MD 4.5 (TRN). Felt slightly at Five
                                                                 Rivers, Port-of-Spain, Saint Augustine, Sangre Grande and
                                                                 Scarborough, Trinidad and Tobago.
05  17 12 04.4* 28.716 N  128.724 E   33 N  3.7     0.8   10  RYUKYU ISLANDS
05  17 13 13.1* 28.692 N  128.579 E   33 N  4.3     1.3   17  RYUKYU ISLANDS
05  17 31 51.2  30.093 N   86.059 E   33 N  4.5 4.4  1.1   38  XIZANG
05  18 04 37.8* 14.211 N  146.953 E   33 N          0.7   14  MARIANA ISLANDS
05  18 13 44.4  57.860 S   25.584 W   33 N  5.1 4.9  0.9   66  SOUTH SANDWICH ISLANDS REGION. Mw 5.2 (HRV).
                                                                Centroid, Moment Tensor (HRV): Centroid origin time
                                                                 18:13:51.6; Lat 57.87 S; Lon 25.39 W; Dep 35.8; Half-
                                                                 duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                 Val=6.97, Plg=71, Azm=309; (N) Val=0.57, Plg=12, Azm=178;
                                                                 (P) Val=-7.54, Plg=14, Azm=85; Best double couple:
                                                                 Mo=7.3*10**16 Nm; NP1: Strike=159, Dip=33, Slip=67; NP2:
                                                                 Strike=6, Dip=60, Slip=104.
05  18 44 13.9* 37.579 N   57.346 E   33 N  4.6     1.0   12  TURKMENISTAN-IRAN BORDER REGION. Several houses destroyed at
                                                                 Bojnurd, Iran. Felt at Shirvan, Iran.
05  19 42 19.0? 31.97  N  130.25  E   33 N  3.2     1.1    7  KYUSHU, JAPAN
05  19 45 06.5*  0.806 S  121.370 E   33 N  3.7     1.3   12  MINAHASSA PENINSULA, SULAWESI
05  19 57 36.3* 15.664 S  172.982 W   33 N  4.7     1.2   35  SAMOA ISLANDS REGION
05  20 07 26.1? 29.88  N   68.45  E   33 N          1.5    7  PAKISTAN
05  20 11 46.6  18.021 S  178.477 W  600 G  4.8     1.0  111  FIJI ISLANDS REGION
05  20 32 54.6* 34.248 N  137.195 E  339    3.1           17  NEAR S. COAST OF HONSHU, JAPAN
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05	20	37	43.1	28.726	N	128.544	E	33	N	5.4	5.3	1.2	160	RYUKYU ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:37:43.3; Lat 28.67 N; Lon 128.28 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.86, Plg=11, Azm=346; (N) Val=0.07, Plg=3, Azm=77; (P) Val=-1.93, Plg=78, Azm=183; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=72, Dip=34, Slip=-96; NP2: Strike=259, Dip=57, Slip=-86.
05	20	51	57.2	28.757	N	128.602	E	33	N	5.2		1.2	111	RYUKYU ISLANDS
05	21	05	42.5*	19.076	N	63.120	W	33	N	4.3		1.1	10	LEEWARD ISLANDS
05	21	39	05.0&	37.494	N	3.894	W	10	G			1.0	5	SPAIN. mbLg 2.5 (MDD).
05	22	08	27.2?	51.52	N	179.64	E	33	N			1.4	8	RAT ISLANDS, ALEUTIAN ISLANDS
05	22	34	55.0	28.757	N	128.532	E	33	N	4.2		1.1	22	RYUKYU ISLANDS
05	22	43	12.1?	14.09	N	144.87	E	193		3.7		1.1	10	MARIANA ISLANDS
05	22	43	41.8?	40.06	N	29.41	E	10	G			0.9	4	TURKEY. MD 2.7 (ISK).
05	22	52	10.5?	22.64	S	170.65	E	33	N	4.3		1.4	22	LOYALTY ISLANDS REGION
05	22	57	52.2?	36.25	S	80.11	E	10	G	4.7		1.3	10	MID-INDIAN RIDGE
05	23	46	19.5	39.513	N	76.865	E	33	N	5.4	5.9	1.1	335	SOUTHERN XINJIANG, CHINA. Mw 5.9 (GS), 5.9 (HRV). At least 23 people injured, 3,000 buildings damaged or destroyed and 100 head of livestock killed in Jiashi County by this earthquake and the event on April 6 at 04:36 UTC. Moment Tensor (GS): Dep 14; Principal axes (scale 10**17 Nm): (T) Val=8.15, Plg=9, Azm=116; (N) Val=-0.62, Plg=66, Azm=228; (P) Val=-7.53, Plg=22, Azm=22; Best double couple: Mo=7.8*10**17 Nm; NP1: Strike=161, Dip=68, Slip=-171; NP2: Strike=67, Dip=81, Slip=-22. Centroid, Moment Tensor (HRV): Centroid origin time 23:46:22.6; Lat 39.41 N; Lon 76.93 E; Dep 33.0 Fix; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=9.43, Plg=9, Azm=117; (N) Val=-3.40, Plg=78, Azm=257; (P) Val=-6.03, Plg=7, Azm=26; Best double couple: Mo=7.7*10**17 Nm; NP1: Strike=161, Dip=78, Slip=179; NP2: Strike=251, Dip=89, Slip=12.
05	23	55	27.4&	39.402	N	76.676	E	33	N			0.5	10	SOUTHERN XINJIANG, CHINA
06	00	06	30.6	39.402	N	76.768	E	33	N	4.4		0.8	30	SOUTHERN XINJIANG, CHINA
06	00	24	38.9*	28.582	N	129.829	E	100	G	4.1		0.9	10	RYUKYU ISLANDS
06	01	23	22.3&	39.812	N	76.949	E	33	N			0.5	7	SOUTHERN XINJIANG, CHINA
06	01	34	59.8*	28.599	N	128.556	E	33	N			1.4	12	RYUKYU ISLANDS
06	01	37	36.4&	45.705	N	26.761	E	100	G			0.9	6	ROMANIA
06	01	47	20.8	23.387	S	178.898	E	600	G	4.3		0.6	28	SOUTH OF FIJI ISLANDS
06	01	55	11.7?	31.92	S	71.72	W	10	G			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
06	02	20	28.9	39.398	N	76.721	E	33	N	4.5	4.1	1.3	40	SOUTHERN XINJIANG, CHINA
06	02	44	57.1*	62.186	N	124.072	W	10	G			1.1	6	NORTHWEST TERRITORIES, CANADA
06	03	01	16.2?	45.80	N	125.89	W	10	G			0.6	19	OFF COAST OF OREGON
06	04	36	35.2	39.537	N	76.998	E	33	N	5.6	5.8	1.0	374	SOUTHERN XINJIANG, CHINA. Mw 6.0 (HRV), 5.8 (GS). Me 5.3 (GS). Injuries and damage for this earthquake are included in the comment for the event on April 5 at 23:46 UTC. Broadband Source Parameters (GS): Dep 11; NP1: Strike=285, Dip=35, Slip=-45; NP2: Strike=54, Dip=66, Slip=-116; Radiated energy 1.7*10**12 Nm. Moment Tensor (GS): Dep 8; Principal axes (scale 10**17 Nm): (T) Val=6.70, Plg=15, Azm=108; (N) Val=-0.92, Plg=4, Azm=17; (P) Val=-5.78, Plg=74, Azm=272; Best double couple: Mo=6.2*10**17 Nm; NP1: Strike=203, Dip=30, Slip=-82; NP2: Strike=14, Dip=60, Slip=-95. Centroid, Moment Tensor (HRV): Centroid origin time 04:36:38.4; Lat 39.52 N; Lon 77.03 E; Dep 15.0 Bdy; Half-duration 2.3 sec; Principal axes (scale 10**18 Nm): (T) Val=1.08, Plg=14, Azm=126; (N) Val=-0.05, Plg=34, Azm=27; (P) Val=-1.03, Plg=53, Azm=235; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=253, Dip=43, Slip=-36; NP2: Strike=10, Dip=67, Slip=-127.
06	04	43	46.6*	39.673	N	76.939	E	33	N			0.7	13	SOUTHERN XINJIANG, CHINA
06	05	01	37.4*	42.193	N	147.773	E	100	G	4.2		0.9	11	OFF COAST OF HOKKAIDO, JAPAN
06	05	09	29.0	39.275	N	76.695	E	33	N	4.4		1.0	43	SOUTHERN XINJIANG, CHINA
06	05	25	09.9*	39.425	N	77.264	E	33	N			1.5	10	SOUTHERN XINJIANG, CHINA
06	05	35	47.4*	39.694	N	76.726	E	33	N			1.3	11	SOUTHERN XINJIANG, CHINA
06	05	44	35.2&	39.623	N	77.036	E	33	N			0.7	9	SOUTHERN XINJIANG, CHINA
06	06	24	15.7*	39.688	N	77.162	E	33	N			1.1	11	SOUTHERN XINJIANG, CHINA
06	06	47	52.3?	31.85	S	69.71	W	170	G			0.3	10	SAN JUAN PROVINCE, ARGENTINA. MD 2.9 (SAN).
06	06	53	43.4&	44.537	N	7.454	E	20	G			0.3	8	NORTHERN ITALY. ML 1.9 (GEN).
06	06	54	28.7?	24.41	S	176.18	W	33	N	4.5		0.5	8	SOUTH OF FIJI ISLANDS
06	06	57	58.1	39.562	N	76.876	E	33	N	4.2		1.0	21	SOUTHERN XINJIANG, CHINA
06	07	20	59.6?	16.42	N	120.85	E	33	N	4.1		1.1	7	LUZON, PHILIPPINE ISLANDS
06	07	21	03.6&	62.185	N	150.410	W	13					91	CENTRAL ALASKA. <AEIC>. ML 3.8 (AEIC), 4.1 (PMR). Felt (IV) at Trappers Creek and (III) at Talkeetna. Also felt at Skwentna.
06	07	49	56.9?	39.45	N	75.93	E	33	N			1.5	6	SOUTHERN XINJIANG, CHINA
06	08	17	39.2*	5.143	S	146.125	E	150	G	4.5		1.3	22	EASTERN NEW GUINEA REG., P.N.G.
06	09	02	18.6&	62.154	N	150.420	W	7					22	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.3 (PMR).
06	09	42	43.2*	39.679	N	76.927	E	33	N			1.1	15	SOUTHERN XINJIANG, CHINA
06	10	32	21.1&	45.355	N	6.606	E	5	G			0.2	5	FRANCE. ML 1.6 (LDG).
06	11	01	57.5	39.460	N	76.799	E	33	N	4.5		1.0	34	SOUTHERN XINJIANG, CHINA
06	11	32	05.4*	1.702	N	128.399	E	33	N	3.7		1.0	7	HALMAHERA, INDONESIA
06	11	37	06.0?	16.45	S	179.55	W	500	G	4.0		0.8	9	FIJI ISLANDS REGION
06	11	41	11.5&	33.422	N	116.951	W	12					28	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.1 (PAS).
06	12	16	04.8	28.869	S	66.375	W	29	D	5.3		1.0	50	CATAMARCA PROVINCE, ARGENTINA. Felt (IV) in southern Catamarca and northern La Rioja Provinces.
06	12	40	04.5*	39.583	N	77.149	E	33	N			1.1	9	SOUTHERN XINJIANG, CHINA
06	12	44	31.4?	16.76	S	177.63	W	33	N	4.5		0.5	9	FIJI ISLANDS REGION
06	12	45	33.0	21.354	N	94.422	E	87	D	4.5		0.9	97	MYANMAR
06	12	48	52.4*	44.420	N	113.732	W	5	G			1.1	14	EASTERN IDAHO. ML 3.1 (BUT).
06	12	58	18.3	39.523	N	76.924	E	33	N	5.2	4.8	1.0	208	SOUTHERN XINJIANG, CHINA. Mw 5.3 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 12:58:20.9; Lat 39.48 N; Lon 76.99 E; Dep 33.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=0.91, Plg=12, Azm=116; (N) Val=0.10, Plg=17, Azm=23; (P) Val=-1.01, Plg=69, Azm=241; Best double couple: Mo=9.6*10**16 Nm; NP1: Strike=227, Dip=36, Slip=-61; NP2: Strike=12, Dip=59, Slip=-109.

06	13	52	22.0*	2.716	N	128.779	E	33	N	3.9	1.1	7	HALMAHERA, INDONESIA
06	13	58	08.4?	32.57	S	71.59	W	20	G		0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
06	14	06	28.1*	40.663	N	19.695	E	20	G		1.0	12	ALBANIA. ML 2.9 (SKO).
06	14	20	33.8*	12.320	N	87.887	W	33	N	4.4	1.3	20	NEAR COAST OF NICARAGUA
06	14	41	08.0*	39.611	N	77.144	E	33	N		0.7	8	SOUTHERN XINJIANG, CHINA
06	15	14	09.8	39.592	N	76.822	E	33	N	4.9	0.9	21	SOUTHERN XINJIANG, CHINA
06	16	19	35.0&	39.538	N	77.060	E	33	N		0.9	14	SOUTHERN XINJIANG, CHINA
06	16	45	50.2	44.359	N	7.321	E	10	G		0.4	19	NORTHERN ITALY. ML 2.2 (GEN), 2.1 (LDG).
06	16	48	38.1	18.899	S	69.190	W	122	D	4.8	0.7	105	NORTHERN CHILE. Felt (IV) at Arica and Camarones; (III) at Parinacota.
06	16	53	00.4&	62.589	N	151.239	W	89				17	CENTRAL ALASKA. <AEIC>.
06	17	05	02.1*	11.089	N	60.799	W	10	G		1.5	5	WINDWARD ISLANDS. MD 3.3 (TRN).
06	17	08	57.4*	28.710	N	128.467	E	33	N	4.4	1.2	25	RYUKYU ISLANDS
06	17	12	26.4*	16.505	S	174.063	W	33	N	4.3	0.8	13	TONGA ISLANDS
06	17	24	56.8	2.788	S	77.837	W	33	N	5.2 4.5	0.8	183	PERU-ECUADOR BORDER REGION
06	17	35	56.8&	44.479	N	6.948	E	10	G		0.4	11	FRANCE. ML 2.0 (GEN).
06	17	38	34.9*	39.610	N	77.118	E	33	N		1.1	12	SOUTHERN XINJIANG, CHINA
06	17	44	17.2*	35.286	N	36.709	W	10	G	4.7	1.2	25	NORTHERN MID-ATLANTIC RIDGE
06	17	49	19.0*	35.169	N	35.631	W	10	G	4.7	1.0	20	NORTHERN MID-ATLANTIC RIDGE
06	17	59	03.6	44.367	N	7.281	E	5	G		0.7	19	NORTHERN ITALY. ML 2.3 (GEN), 2.1 (LDG).
06	18	02	54.0&	44.356	N	7.319	E	10	G		0.2	5	NORTHERN ITALY. ML 1.6 (GEN).
06	20	25	23.5	44.705	N	6.811	E	10	G		0.8	15	FRANCE. ML 2.1 (GEN), 1.8 (LDG).
06	20	48	51.1&	60.728	N	149.795	W	41				17	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
06	21	28	10.4*	28.683	N	128.894	E	33	N	4.2	1.0	14	RYUKYU ISLANDS
06	22	40	13.9	31.177	N	141.789	E	33	N	3.9 3.7	1.1	19	SOUTH OF HONSHU, JAPAN
06	23	18	59.4*	39.629	N	76.187	E	33	N	5.0 4.8	1.4	11	SOUTHERN XINJIANG, CHINA
06	23	19	28.5	10.646	S	75.466	W	33	N	4.8 4.2	0.8	91	CENTRAL PERU
06	23	23	43.1*	21.571	N	143.180	E	300	G	4.3	1.1	29	MARIANA ISLANDS REGION
07	00	00	39.3&	36.414	N	70.521	E	223	*		0.4	11	HINDU KUSH REGION, AFGHANISTAN
07	00	49	48.3*	4.387	S	102.302	E	57	D	4.6	0.9	28	SOUTHERN SUMATERA, INDONESIA
07	00	55	32.9&	44.369	N	7.332	E	10	G		0.5	7	NORTHERN ITALY. ML 1.8 (GEN).
07	00	57	08.9*	31.161	N	141.697	E	42	D	4.2	1.3	18	SOUTH OF HONSHU, JAPAN
07	02	07	58.6	44.561	N	7.345	E	5	G		0.4	29	NORTHERN ITALY. ML 2.5 (GEN), 2.3 (LDG), 2.1 (STR).
07	02	21	35.5	6.356	S	147.483	E	64	D	5.3	0.8	47	EASTERN NEW GUINEA REG., P.N.G.
07	02	42	32.1&	33.004	S	70.614	W	90	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
07	02	58	05.9&	36.854	N	5.046	W	10	G		0.4	5	STRAIT OF GIBRALTAR. mbLg 2.0 (MDD).
07	03	43	55.6?	17.85	S	175.09	W	33	N	4.5	0.6	6	TONGA ISLANDS
07	04	27	19.2	11.425	N	86.610	W	33	N	5.2 5.0	1.2	170	NEAR COAST OF NICARAGUA. Mw 5.6 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 04:27:24.9; Lat 11.26 N; Lon 86.93 W; Dep 30.0 Bdy; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.25, Plg=65, Azm=50; (N) Val=0.27, Plg=5, Azm=308; (P) Val=-2.52, Plg=24, Azm=216; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=295, Dip=21, Slip=75; NP2: Strike=130, Dip=69, Slip=96.

07	04	31	48.4	37.200	N	22.100	E	10	G	4.2	1.1	35	SOUTHERN GREECE
07	04	38	17.4?	11.66	N	86.04	W	33	N	4.3	1.3	12	NEAR COAST OF NICARAGUA
07	04	43	23.4*	39.668	N	77.350	E	33	N		1.0	11	SOUTHERN XINJIANG, CHINA
07	04	46	54.1&	36.476	N	120.659	W	11				10	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM), 2.6 (PAS).
07	06	46	21.4&	63.294	N	151.042	W	16				35	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.5 (PMR).
07	07	01	14.3*	4.579	N	77.442	W	33	N	3.5	1.2	18	NEAR WEST COAST OF COLOMBIA
07	07	19	20.0*	6.121	S	152.660	E	33	N	4.1	1.2	17	NEW BRITAIN REGION, P.N.G.
07	07	54	44.9&	58.839	N	153.712	W	97				27	KODIAK ISLAND REGION. <AEIC>.
07	08	12	18.5?	7.56	N	82.53	W	33	N		0.9	8	SOUTH OF PANAMA. MD 4.2 (UPA).
07	08	21	01.3*	43.738	N	11.838	E	10	G		0.5	17	CENTRAL ITALY. ML 3.3 (STR), 3.0 (LDG).
07	08	28	27.9	39.591	N	76.866	E	33	N	4.2	0.9	16	SOUTHERN XINJIANG, CHINA
07	08	29	11.1&	44.925	N	8.420	E	33	N		0.6	13	NORTHERN ITALY. ML 2.5 (GEN).
07	08	31	06.9?	43.72	N	11.75	E	10	G		0.5	10	CENTRAL ITALY. ML 3.1 (STR), 2.9 (LDG).
07	08	54	56.3*	44.655	N	10.742	E	33	N		0.7	11	NORTHERN ITALY. ML 2.8 (STR), 2.7 (LDG).
07	08	56	15.7&	36.687	N	121.314	W	5				10	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).
07	08	58	23.2?	2.29	S	134.80	E	33	N	4.0	0.6	6	IRIAN JAYA REGION, INDONESIA
07	10	08	36.1	51.742	N	177.816	E	74	*	4.3	1.0	49	RAT ISLANDS, ALEUTIAN ISLANDS
07	10	34	50.3&	44.363	N	7.327	E	10	G		0.3	6	NORTHERN ITALY. ML 1.8 (GEN).
07	10	54	01.0*	43.723	N	16.487	E	10	G		1.2	21	NORTHWESTERN BALKAN REGION. ML 3.6 (VIE). Felt at Split, Croatia.
07	11	20	22.5?	19.02	S	176.87	W	33	N	4.5	1.1	11	FIJI ISLANDS REGION
07	11	28	58.8?	20.42	S	179.24	W	650	G	4.1	0.4	10	FIJI ISLANDS REGION
07	12	32	18.6	40.138	N	22.591	E	10	G		0.9	32	GREECE. ML 3.4 (SKO).
07	12	34	42.6&	39.410	N	2.159	W	10	G		0.9	7	SPAIN. mbLg 2.8 (MDD).
07	12	53	51.5*	3.991	S	134.872	E	33	N	3.9	1.1	7	IRIAN JAYA REGION, INDONESIA
07	13	00	42.1*	27.427	N	86.545	E	33	N	4.4	1.4	19	NEPAL
07	13	05	36.7?	41.18	N	28.77	E	10	G		0.7	4	TURKEY. MD 2.6 (ISK).
07	13	14	17.4	0.344	N	125.299	E	60	D	5.5	1.1	100	NORTHERN MOLUCCA SEA. Mw 5.8 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 13:14:22.3; Lat 0.35 N; Lon 125.57 E; Dep 48.2; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=5.13, Plg=62, Azm=287; (N) Val=0.14, Plg=8, Azm=31; (P) Val=-5.27, Plg=27, Azm=125; Best double couple: Mo=5.2*10**17 Nm; NP1: Strike=234, Dip=19, Slip=114; NP2: Strike=29, Dip=73, Slip=82.

07	13	18	36.6*	39.517	N	73.034	E	60	*		0.6	18	TAJIKISTAN-XINJIANG BORDER REG.
07	14	20	34.1&	53.454	N	165.743	W	16				9	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.3 (AEIC).
07	14	44	01.7*	24.376	S	67.056	W	150	G		0.5	7	CHILE-ARGENTINA BORDER REGION
07	14	50	11.5?	1.30	N	99.91	W	10	G	3.7	1.1	8	WEST OF GALAPAGOS ISLANDS
07	14	53	05.8?	10.78	S	74.96	W	33	N	3.5	1.1	7	CENTRAL PERU
07	15	26	15.1&	59.386	N	153.502	W	101				31	SOUTHERN ALASKA. <AEIC>.

07	15	59	45.6?	14.42	N	90.67	W	200	G	3.8	1.3	15	GUATEMALA
07	16	42	55.9*	6.456	S	129.754	E	33	N	4.1	1.1	8	BANDA SEA
07	16	58	28.3?	8.94	S	123.55	E	100	G	4.3	1.1	9	FLORES REGION, INDONESIA
07	17	02	48.3&	33.158	S	70.358	W	5	G		0.6	7	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
07	17	05	08.3	33.332	N	132.334	E	53	*	4.4	0.8	23	SHIKOKU, JAPAN
07	17	26	03.5	44.362	N	7.335	E	10	G		0.6	15	NORTHERN ITALY. ML 2.2 (GEN), 1.8 (LDG).
07	17	32	11.1	53.626	N	169.824	E	33	N		0.8	21	KOMANDORSKY ISLANDS REGION
07	17	52	56.6*	4.693	S	105.045	W	10	G	4.8 5.3	1.1	66	CENTRAL EAST PACIFIC RISE. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:53:04.8; Lat 4.46 S; Lon 105.26 W; Dep 15.0 Fix; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=4.24, Plg=10, Azm=320; (N) Val=0.03, Plg=68, Azm=205; (P) Val=-4.28, Plg=20, Azm=53; Best double couple: Mo=4.3*10**17 Nm; NP1: Strike=95, Dip=69, Slip=-8; NP2: Strike=188, Dip=83, Slip=-159.
07	18	31	21.4*	7.873	S	127.199	E	200	G	4.2	0.9	8	BANDA SEA
07	19	42	45.2	34.396	S	70.313	W	10	G		1.3	15	CHILE-ARGENTINA BORDER REGION. MD 4.6 (SAN).
07	19	46	53.0?	34.45	S	70.40	W	10	G		0.1	6	CHILE-ARGENTINA BORDER REGION
07	20	08	54.8	45.620	N	6.986	E	10	G		0.8	23	FRANCE. ML 2.6 (GEN), 2.4 (LDG).
07	20	30	30.4*	51.220	N	179.204	E	33	N	4.0	1.3	31	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
07	21	08	29.5?	20.05	S	177.42	W	600	G	4.4	1.0	9	FIJI ISLANDS REGION
07	21	18	19.8&	33.141	S	70.261	W	5	G		0.4	8	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
07	21	22	54.5	39.402	N	76.728	E	33	N	4.3	1.1	22	SOUTHERN XINJIANG, CHINA
07	21	32	48.2*	0.471	N	98.520	E	43	D	4.5	0.9	22	NORTHERN SUMATERA, INDONESIA
07	21	36	18.3&	42.217	N	7.417	W	10	G		0.3	5	SPAIN. mbLg 3.2 (MDD).
07	21	53	09.5?	39.98	N	77.24	E	33	N	3.6	1.4	8	SOUTHERN XINJIANG, CHINA
07	22	01	38.0*	37.863	N	72.983	E	171	D	3.7	0.7	11	TAJIKISTAN
07	23	01	29.5*	16.694	S	72.840	W	46	D	4.5	1.2	29	NEAR COAST OF PERU
07	23	25	28.1	10.215	N	62.417	W	5	G	4.4	1.1	38	NEAR COAST OF VENEZUELA. MD 4.5 (TRN). Felt in central and parts of southern Trinidad.
07	23	37	21.0*	24.161	N	120.835	E	33	N	3.6	1.1	8	TAIWAN
08	00	54	14.2	6.492	S	130.640	E	33	N	4.7	1.0	32	BANDA SEA
08	01	25	38.2	23.938	S	66.701	W	196	*	4.6	0.9	45	JUJUY PROVINCE, ARGENTINA
08	01	29	07.8*	39.587	N	76.657	E	33	N	3.3	0.6	8	SOUTHERN XINJIANG, CHINA
08	01	54	44.6?	39.63	N	77.17	E	33	N		1.2	8	SOUTHERN XINJIANG, CHINA
08	02	05	06.6	43.949	N	8.847	E	5	G		0.9	28	CORSICA. ML 2.3 (GEN), 2.2 (LDG), 2.2 (STR).
08	02	15	30.8&	45.566	N	6.874	E	10	G		0.3	5	FRANCE. ML 1.5 (LDG).
08	03	04	15.0	11.465	N	86.347	W	33	N	4.2	1.0	51	NEAR COAST OF NICARAGUA
08	03	07	40.9?	5.58	S	148.12	E	33	N	3.7	0.5	5	NEW BRITAIN REGION, P.N.G.
08	03	12	54.8?	29.60	N	68.09	E	33	N	3.9	0.8	8	PAKISTAN
08	03	34	19.5*	39.561	N	76.928	E	33	N	4.3	1.2	19	SOUTHERN XINJIANG, CHINA
08	03	39	26.0&	0.388	S	99.953	E	33	N		0.7	10	SOUTHERN SUMATERA, INDONESIA
08	04	35	46.0	17.571	S	173.251	W	33	N	5.1 5.1	1.0	99	TONGA ISLANDS
08	04	46	59.7	19.113	N	145.482	E	144		5.1	0.9	127	MARIANA ISLANDS
08	05	12	42.6	14.883	N	119.918	E	33	N	4.8	1.0	32	LUZON, PHILIPPINE ISLANDS
08	05	44	13.8*	38.152	N	48.098	E	10	G	4.2	1.1	8	ARMENIA-AZERBAIJAN-IRAN BORD REG
08	06	32	56.8	33.560	N	137.555	E	355		4.3	0.8	25	NEAR S. COAST OF HONSHU, JAPAN
08	06	47	02.1?	7.60	N	82.58	W	50	?		1.0	9	SOUTH OF PANAMA. MD 4.4 (UPA). Felt at David.
08	07	42	35.4&	64.840	N	148.946	W	22				25	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
08	08	04	50.7?	39.17	N	77.24	E	33	N		0.8	8	SOUTHERN XINJIANG, CHINA
08	08	05	44.5&	59.750	N	153.463	W	120				75	SOUTHERN ALASKA. <AEIC>.
08	08	14	24.3*	16.202	S	178.057	E	33	N		0.7	9	FIJI ISLANDS
08	09	36	35.6*	8.173	S	158.315	E	105	*	4.6	1.0	31	SOLOMON ISLANDS
08	09	37	46.2	10.998	N	60.662	W	5	G	4.4	0.9	17	TRINIDAD. MD 3.9 (TRN). Felt on Tobago.
08	09	44	42.4&	59.759	N	153.695	W	142				29	SOUTHERN ALASKA. <AEIC>.
08	10	05	44.7?	11.04	N	60.77	W	5	G		1.5	4	WINDWARD ISLANDS. MD 2.8 (TRN).
08	10	14	55.2*	10.002	N	126.051	E	33	N	4.2	0.5	5	PHILIPPINE ISLANDS REGION
08	11	11	08.2&	11.406	N	61.005	W	5	G		0.5	6	WINDWARD ISLANDS. MD 2.9 (TRN).
08	11	13	37.1	44.304	N	7.268	E	10	G		0.5	17	NORTHERN ITALY. ML 2.5 (LDG), 2.0 (GEN).
08	11	23	15.8&	59.687	N	152.125	W	61				13	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
08	11	57	29.7*	43.917	N	146.924	E	33	N		1.0	9	KURIL ISLANDS
08	12	05	44.1?	34.48	S	71.51	W	55	G		0.3	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
08	12	16	53.1	44.902	N	9.034	E	10	G		0.9	31	NORTHERN ITALY. ML 2.7 (LDG), 2.6 (GEN).
08	12	24	20.1?	14.91	N	120.13	E	33	N	3.8	1.4	8	LUZON, PHILIPPINE ISLANDS
08	13	01	29.5*	57.871	S	25.589	W	33	N		1.0	13	SOUTH SANDWICH ISLANDS REGION
08	13	11	46.1*	39.481	N	76.938	E	33	N	4.3	0.5	13	SOUTHERN XINJIANG, CHINA
08	14	04	52.8	1.562	N	126.325	E	42	*	4.8	1.2	54	NORTHERN MOLUCCA SEA
08	14	13	40.9	11.059	N	60.623	W	10	G	4.1	1.0	15	WINDWARD ISLANDS. MD 4.0 (TRN). Felt on Tobago.
08	14	34	55.1	44.351	N	7.575	E	10	G		0.4	22	NORTHERN ITALY. ML 2.4 (GEN), 2.2 (LDG), 2.1 (STR).
08	14	42	59.0&	44.348	N	7.315	E	10	G		0.5	7	NORTHERN ITALY. ML 2.0 (GEN).
08	14	47	30.1*	18.947	N	146.334	E	80	*	3.9	1.0	22	MARIANA ISLANDS
08	15	14	23.3	52.060	N	171.408	W	46	D	5.2 5.2	0.9	254	FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.5 (HRV). ML 5.5 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 15:14:26.0; Lat 52.01 N; Lon 171.60 W; Dep 32.9; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.70, Plg=71, Azm=314; (N) Val=0.07, Plg=7, Azm=65; (P) Val=-1.77, Plg=17, Azm=157; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=258, Dip=28, Slip=105; NP2: Strike=62, Dip=63, Slip=82.
08	15	23	44.7	18.629	N	106.410	W	33	N	4.9 4.9	1.1	72	OFF COAST OF JALISCO, MEXICO. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:23:47.7; Lat 18.99 N; Lon 106.73 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.80, Plg=9, Azm=52; (N) Val=-0.77, Plg=73, Azm=175; (P) Val=-2.03, Plg=14, Azm=320; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=96, Dip=73, Slip=-177; NP2: Strike=5, Dip=87, Slip=-17.
08	15	52	48.9	9.986	N	126.232	E	69	*	4.6	0.9	37	MINDANAO, PHILIPPINE ISLANDS
08	15	55	23.6&	36.412	N	3.460	W	10	G		0.8	8	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
08	16	41	39.3?	14.86	N	91.34	W	150	G		0.9	15	GUATEMALA
08	16	42	02.0*	23.246	S	169.189	E	33	N	4.2	1.1	20	LOYALTY ISLANDS REGION
08	16	56	33.8	11.006	N	124.598	E	33	N	4.9	1.0	43	LEYTE, PHILIPPINE ISLANDS. Felt in the central part of Leyte.
08	17	10	43.6?	42.73	N	7.72	W	10	G		0.4	4	SPAIN. mbLg 2.5 (MDD).

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08 17 11 53.6  11.049 N   60.785 W    5 G  5.2 5.0  1.0  155  WINDWARD ISLANDS. Mw 5.5 (HRV). MD 4.7 (TRN). Felt (IV) on
                                                               Trinidad and Tobago.
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               17:11:59.0; Lat 11.33 N; Lon 61.04 W; Dep 15.0 Fix; Half-
                                                               duration 1.3 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=1.87, Plg=6, Azm=208; (N) Val=-0.32, Plg=14, Azm=299;
                                                               (P) Val=-1.55, Plg=75, Azm=94; Best double couple:
                                                               Mo=1.7*10**17 Nm; NP1: Strike=283, Dip=41, Slip=-111; NP2:
                                                               Strike=130, Dip=53, Slip=-73.
08 17 22 31.2% 11.084 N   60.807 W    5 G        0.9    9  WINDWARD ISLANDS. MD 3.2 (TRN).
08 17 30 02.8? 11.12  N   60.82  W    5 G        1.6    4  WINDWARD ISLANDS. MD 2.7 (TRN).
08 17 31 21.7? 11.04  N   60.76  W    5 G        1.0    4  WINDWARD ISLANDS. MD 2.8 (TRN).
08 17 40 08.1? 11.26  N   60.81  W    5 G        0.9    4  WINDWARD ISLANDS. MD 2.8 (TRN).
08 17 42 37.3% 11.027 N   60.755 W    5 G        1.1    7  WINDWARD ISLANDS. MD 3.3 (TRN).
08 17 44 52.5% 11.085 N   60.742 W   10 G        0.7    7  WINDWARD ISLANDS. MD 3.3 (TRN).
08 17 53 02.2% 11.065 N   60.803 W    5 G        0.9    9  WINDWARD ISLANDS. MD 2.4 (TRN).
08 17 59 06.8   8.380 S   75.695 W  114 D  4.7     0.8   34  CENTRAL PERU
08 18 05 24.4% 11.040 N   60.757 W    5 G        0.7    6  WINDWARD ISLANDS. MD 3.0 (TRN).
08 18 07 09.5  18.315 N  120.953 E   71 D  6.0     1.0  335  LUZON, PHILIPPINE ISLANDS. Mw 5.8 (GS), 5.8 (HRV). Me 5.5
                                                               (GS). Felt in the Laoag area.
                                                              Broadband Source Parameters (GS): Dep 68; NP1: Strike=285,
                                                               Dip=30, Slip=-60; NP2: Strike=71, Dip=64, Slip=-106;
                                                               Radiated energy 3.4*10**12 Nm.
                                                              Moment Tensor (GS): Dep 65; Principal axes (scale 10**17
                                                               Nm): (T) Val=7.20, Plg=27, Azm=177; (N) Val=-1.75, Plg=11,
                                                               Azm=81; (P) Val=-5.45, Plg=60, Azm=331; Best double couple:
                                                               Mo=6.3*10**17 Nm; NP1: Strike=293, Dip=20, Slip=-56; NP2:
                                                               Strike=78, Dip=73, Slip=-102.
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               18:07:10.7; Lat 18.41 N; Lon 120.90 E; Dep 65.4; Half-
                                                               duration 1.9 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=6.82, Plg=29, Azm=174; (N) Val=-1.74, Plg=10, Azm=78;
                                                               (P) Val=-5.09, Plg=59, Azm=330; Best double couple:
                                                               Mo=6.0*10**17 Nm; NP1: Strike=291, Dip=19, Slip=-56; NP2:
                                                               Strike=75, Dip=74, Slip=-101.
08 18 14 41.9% 11.043 N   60.720 W   10 G        0.5    7  WINDWARD ISLANDS. MD 3.2 (TRN).
08 18 18 29.1% 11.096 N   60.768 W    5 G        1.5    7  WINDWARD ISLANDS. MD 2.8 (TRN).
08 18 26 50.8   9.552 S  158.492 E   33 N  4.8     0.9   42  SOLOMON ISLANDS
08 18 41 18.9  11.005 N   60.624 W    5 G        1.0   16  WINDWARD ISLANDS. MD 3.6 (TRN).
08 18 57 10.8% 11.054 N   60.781 W    5 G        1.3    6  WINDWARD ISLANDS. MD 2.8 (TRN).
08 20 03 12.7? 7.49   N   82.46  W    5 G        1.0    6  SOUTH OF PANAMA. MD 3.9 (UPA).
08 21 18 46.0   2.135 S   68.115 E   22 D  4.8     0.9   46  CARLSBERG RIDGE
08 21 18 52.8? 12.56  S  166.52  E   33 N  4.0     0.8    7  SANTA CRUZ ISLANDS
08 21 38 09.1* 13.564 N  120.977 E  150 G        0.7    7  MINDORO, PHILIPPINE ISLANDS
08 22 00 20.3   2.380 S  133.998 E   33 N  4.9     0.9   42  IRIAN JAYA REGION, INDONESIA
08 22 10 53.2  20.314 N  122.184 E   33 N  4.3     0.9   19  PHILIPPINE ISLANDS REGION
08 22 54 37.7% 34.077 S   70.338 W   10 G        0.3   10  CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
08 23 46 12.0  10.984 N   60.614 W    5 G  4.1   1.1   21  TRINIDAD. MD 3.9 (TRN).
09 00 23 21.8? 32.28  S   71.78  W   20 G        0.7   10  NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
09 00 50 11.4  11.031 N   60.707 W    5 G  4.7 3.8  0.9   65  WINDWARD ISLANDS. MD 4.2 (TRN).
09 00 55 52.0% 11.081 N   60.801 W    5 G        0.9    9  WINDWARD ISLANDS. MD 3.3 (TRN).
09 01 26 41.7% 37.181 N    3.727 W   10 G        0.7    9  SPAIN. mbLg 2.8 (MDD).
09 01 46 32.0? 52.29  S  140.34  E   10 G  4.2     1.4   16  WEST OF MACQUARIE ISLAND
09 01 52 32.1* 23.627 S  179.905 W  550 G  4.3     0.7   11  SOUTH OF FIJI ISLANDS
09 02 11 34.2? 51.77  S  138.32  E   10 G  4.3 4.6  1.2   27  SOUTH OF AUSTRALIA
09 02 44 30.5*  7.678 N  127.428 E   63 D  4.4     1.0   19  PHILIPPINE ISLANDS REGION
09 03 11 41.4  17.908 N   71.451 W   10 G  4.7     0.9   84  DOMINICAN REPUBLIC REGION
09 03 39 12.5  23.832 S  179.801 E  550 G  4.7     0.9   47  SOUTH OF FIJI ISLANDS
09 03 50 30.2  33.037 N  140.419 E   67 D  5.1     0.8  134  SOUTH OF HONSHU, JAPAN. Felt (III JMA) on Hachijo-jima.
09 04 02 43.8  39.510 N   76.836 E   33 N  4.5 4.0  1.0   39  SOUTHERN XINJIANG, CHINA
09 04 20 37.6? 38.39  S  176.84  E   33 N  4.4     1.4    9  NORTH ISLAND, NEW ZEALAND
09 05 48 41.6? 59.15  S   27.23  W  100 G  4.6     0.8    5  SOUTH SANDWICH ISLANDS REGION
09 05 50 24.8? 42.88  N    9.06  W   10 G        0.6    4  SPAIN. mbLg 3.0 (MDD).
09 07 02 51.5  26.093 N  128.517 E   33 N  5.4 5.1  1.1  148  RYUKYU ISLANDS. Mw 5.5 (HRV).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               07:02:52.8; Lat 25.97 N; Lon 128.44 E; Dep 18.9; Half-
                                                               duration 1.4 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=1.80, Plg=62, Azm=327; (N) Val=0.13, Plg=5, Azm=227;
                                                               (P) Val=-1.93, Plg=27, Azm=135; Best double couple:
                                                               Mo=1.9*10**17 Nm; NP1: Strike=213, Dip=18, Slip=75; NP2:
                                                               Strike=49, Dip=72, Slip=95.
09 07 05 30.8* 26.061 N  128.739 E   33 N  4.6     1.0   18  RYUKYU ISLANDS
09 07 47 46.7& 59.964 N  153.293 W  134                 39  SOUTHERN ALASKA. <AEIC>.
09 07 59 49.7? 2.21   S   68.13  E   10 G        1.2    6  CARLSBERG RIDGE
09 08 18 21.7? 35.41  S   71.34  W  120 G        0.3   10  CENTRAL CHILE. MD 3.5 (SAN).
09 09 26 48.6? 19.47  S   69.54  W  100 G        1.4    5  NORTHERN CHILE
09 09 38 52.9%  7.719 N   82.432 W   10 G        1.4    9  SOUTH OF PANAMA. MD 4.1 (UPA).
09 09 49 29.0? 36.41  N   71.01  E  172 *  4.0     0.9    8  AFGHANISTAN-TAJIKISTAN BORD REG.
09 10 02 54.8& 58.971 N  154.550 W  121                 31  ALASKA PENINSULA. <AEIC>.
09 10 18 14.6  59.104 N  145.607 W   10 G        0.9   25  GULF OF ALASKA. ML 2.5 (AEIC).
09 10 19 11.4* 59.097 N  145.658 W   10 G        0.4   13  GULF OF ALASKA. ML 2.8 (AEIC).
09 10 29 07.8% 38.201 N   72.858 E  129 ?        1.3   10  TAJIKISTAN
09 11 38 48.5% 44.640 N    7.252 E   20 G        0.2    6  NORTHERN ITALY. ML 1.9 (GEN).
09 11 56 57.3& 59.255 N  151.467 W   64                 33  KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
09 12 04 08.7* 18.285 S   69.509 W  145 *  4.5     1.4   17  NORTHERN CHILE
09 13 04 54.8   5.397 S  146.253 E   58     4.6     1.1   30  EASTERN NEW GUINEA REG., P.N.G.
09 13 22 55.2   6.940 N  126.876 E   55 *  4.9 4.4  1.1   48  MINDANAO, PHILIPPINE ISLANDS
09 13 46 27.1* 26.009 N  128.317 E   33 N  4.4     1.2   12  RYUKYU ISLANDS
09 14 08 11.4% 33.107 S   71.600 W   10 G        0.5    9  NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
09 14 14 32.9% 11.074 N   60.821 W    5 G        1.1   10  WINDWARD ISLANDS. MD 3.7 (TRN).
09 14 20 08.7  31.855 N  130.460 E   10 G  4.7 4.5  1.1   34  KYUSHU, JAPAN
09 14 22 57.9* 31.862 N  130.372 E   10 G  4.7     1.1   21  KYUSHU, JAPAN
09 14 36 57.1  11.070 N   60.842 W    5 G        1.0    8  WINDWARD ISLANDS. MD 3.8 (TRN).
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09	14	54	15.1?	19.01	S	169.50	E	300	G	4.5	1.0	15	VANUATU ISLANDS
09	15	07	30.9?	43.34	N	66.94	E	33	N		1.5	7	CENTRAL KAZAKHSTAN
09	16	00	27.4%	37.309	N	3.656	W	5	G		0.6	7	SPAIN. mbLg 2.2 (MDD).
09	16	05	25.6?	18.23	S	70.01	W	100	G		0.9	4	NEAR COAST OF NORTHERN CHILE
09	16	45	24.9&	62.851	N	150.771	W	96				89	CENTRAL ALASKA. <AEIC>.
09	16	50	13.8?	60.98	S	160.92	E	10	G	4.1	1.4	7	MACQUARIE ISLANDS REGION
09	17	19	04.0?	34.40	S	70.31	W	5	G		0.4	7	CHILE-ARGENTINA BORDER REGION
09	17	53	17.8?	11.38	S	161.10	E	33	N	4.1	1.0	11	SOLOMON ISLANDS
09	18	01	51.6*	36.642	N	71.116	E	104	*	4.3	0.8	18	AFGHANISTAN-TAJIKISTAN BORD REG.
09	18	52	36.8	20.290	S	177.691	W	400	G	4.7	0.9	47	FIJI ISLANDS REGION
09	19	06	36.1*	8.042	S	117.845	E	222	*	4.6	1.3	19	SUMBAWA REGION, INDONESIA
09	19	07	12.9?	11.04	N	60.74	W	5	G		1.0	4	WINDWARD ISLANDS. MD 2.8 (TRN).
09	20	39	09.9%	11.052	N	60.764	W	5	G		0.6	8	WINDWARD ISLANDS. MD 3.5 (TRN).
09	20	42	19.7%	11.055	N	60.780	W	5	G		1.0	6	WINDWARD ISLANDS. MD 3.2 (TRN).
09	21	25	03.6*	2.389	S	134.020	E	33	N	4.5	1.1	12	IRIAN JAYA REGION, INDONESIA
09	21	34	27.5?	52.11	S	139.60	E	10	G	4.5	1.2	23	WEST OF MACQUARIE ISLAND
09	21	42	36.0?	32.53	S	70.25	W	100	G		0.2	8	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
09	23	42	07.0*	24.088	N	122.573	E	52	*	4.5	0.6	12	TAIWAN REGION
10	00	21	01.0*	3.044	N	127.030	E	33	N	4.6	1.3	21	TALAUD ISLANDS, INDONESIA
10	01	18	31.8?	31.47	S	69.01	W	100	G		1.3	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.3 (SAN).
10	01	51	18.6?	6.65	S	149.14	E	33	N	4.9	1.3	6	NEW BRITAIN REGION, P.N.G.
10	02	23	31.6	11.132	N	60.936	W	5	G	4.8	1.0	83	WINDWARD ISLANDS. MD 4.6 (TRN). Felt (III) in northern Trinidad.
10	02	50	39.5%	11.096	N	60.836	W	5	G		0.6	5	WINDWARD ISLANDS. MD 3.1 (TRN).
10	02	58	35.0	39.402	N	76.798	E	33	N	4.5 4.0	0.9	46	SOUTHERN XINJIANG, CHINA
10	03	01	50.7	39.651	N	76.832	E	33	N	4.4	0.8	44	SOUTHERN XINJIANG, CHINA
10	03	07	38.0?	34.94	S	70.81	W	90	G		0.8	10	CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
10	03	11	31.8*	26.309	S	177.759	W	150	G	4.0	0.3	8	SOUTH OF FIJI ISLANDS
10	03	49	45.6?	34.27	N	23.25	E	33	N		0.5	7	CRETE
10	04	29	19.0	9.198	S	119.003	E	89	*	4.2	0.7	20	SUMBA REGION, INDONESIA
10	04	31	20.7?	11.09	N	60.82	W	5	G		0.6	4	WINDWARD ISLANDS. MD 2.3 (TRN).
10	04	43	02.3*	33.283	N	47.714	E	33	N	4.6	1.2	18	WESTERN IRAN
10	04	43	07.3	35.102	N	140.122	E	78	*	4.4	1.1	22	NEAR EAST COAST OF HONSHU, JAPAN
10	04	46	29.8%	36.246	N	70.389	E	150	G		0.6	7	HINDU KUSH REGION, AFGHANISTAN
10	06	16	29.8	11.041	N	60.610	W	5	G		1.2	11	WINDWARD ISLANDS. MD 3.8 (TRN).
10	06	38	51.6%	33.106	S	70.276	W	100	G		0.3	8	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
10	07	27	39.5?	4.36	N	125.76	E	33	N	3.9	1.0	9	TALAUD ISLANDS, INDONESIA
10	07	59	05.6*	37.506	N	21.966	E	33	N		0.8	10	SOUTHERN GREECE
10	08	05	22.1?	32.19	S	70.82	W	80	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
10	08	28	03.9	38.960	N	26.183	E	10	G	4.0	1.3	47	AEGEAN SEA
10	08	35	07.2*	29.491	S	68.327	W	135	?	4.1	1.2	27	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).
10	08	58	37.0*	20.066	S	63.692	W	33	N		1.4	8	SOUTHERN BOLIVIA
10	08	59	25.2?	34.75	S	70.44	W	130	G		0.1	11	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
10	09	07	08.2	11.036	N	60.700	W	5	G	3.8	1.3	12	WINDWARD ISLANDS. MD 3.8 (TRN).
10	09	13	44.4%	11.044	N	60.740	W	5	G		0.8	5	WINDWARD ISLANDS. MD 3.1 (TRN).
10	09	53	25.3&	60.688	N	147.266	W	12		2.3		47	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
10	10	43	01.9	21.168	S	179.227	W	624	D	4.8	0.9	47	FIJI ISLANDS REGION
10	10	47	20.1%	56.132	N	163.580	E	33	N		0.3	6	NEAR EAST COAST OF KAMCHATKA
10	10	57	20.7%	37.221	N	3.730	W	10	G		1.1	9	SPAIN. mbLg 2.7 (MDD).
10	11	00	16.6%	37.221	N	3.697	W	10	G		1.4	6	SPAIN. mbLg 2.5 (MDD).
10	12	22	25.1?	31.54	S	69.05	W	150	G		0.5	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
10	12	33	31.7%	7.686	N	82.431	W	10	G		1.1	9	SOUTH OF PANAMA. MD 4.3 (UPA).
10	12	42	47.0&	37.598	N	118.909	W	6				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
10	12	49	57.8*	6.780	S	130.668	E	50	G	4.3	0.8	15	BANDA SEA
10	13	26	40.0	26.109	N	128.648	E	33	N	4.3	0.7	22	RYUKYU ISLANDS
10	13	52	51.8&	62.022	N	150.296	W	56				95	CENTRAL ALASKA. <AEIC>. ML 3.9 (AEIC), 3.9 (PMR). Felt (II) at Palmer. Also felt at Anchorage.
10	13	59	40.4	43.643	N	7.004	E	10	G		0.7	13	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG), 2.0 (STR).
10	15	42	47.6	46.538	N	27.416	W	10	G	4.1 3.6	1.1	41	NORTHERN MID-ATLANTIC RIDGE
10	15	59	05.5?	35.21	S	71.04	W	125	G		0.2	10	CENTRAL CHILE. MD 3.5 (SAN).
10	17	23	05.7*	18.396	S	69.281	W	135	D	4.2	1.5	21	NORTHERN CHILE
10	17	39	00.1*	32.245	S	71.632	W	20	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
10	18	01	34.3%	32.754	S	70.958	W	10	G		0.4	7	CHILE-ARGENTINA BORDER REGION
10	18	01	54.7*	36.184	N	71.219	E	134	?		1.1	11	AFGHANISTAN-TAJIKISTAN BORD REG.
10	18	04	49.6	10.372	S	74.916	W	33	N	4.5	0.9	27	CENTRAL PERU
10	18	58	54.7*	43.223	N	127.881	W	10	G		0.3	33	OFF COAST OF OREGON
10	19	10	15.8*	19.614	S	177.870	W	650	G	4.3	0.6	17	FIJI ISLANDS REGION
10	19	20	32.0*	24.729	S	179.738	W	500	G	4.5	0.8	18	SOUTH OF FIJI ISLANDS
10	19	43	41.4&	37.596	N	118.909	W	6				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
10	20	19	59.1*	43.723	N	12.161	E	10	G		0.8	19	CENTRAL ITALY. ML 3.0 (VIE), 2.7 (LDG).
10	22	17	46.6*	39.130	N	76.240	E	33	N		1.5	13	SOUTHERN XINJIANG, CHINA
10	22	32	31.9%	8.508	N	82.895	W	10	G		1.1	9	PANAMA-COSTA RICA BORDER REGION. MD 3.9 (UPA).
10	22	55	16.5?	17.16	N	146.43	E	33	N		1.0	10	MARIANA ISLANDS
10	23	30	12.8	36.307	N	140.572	E	72		4.6	1.1	28	NEAR EAST COAST OF HONSHU, JAPAN
11	00	08	29.3%	46.139	N	2.689	E	10	G		0.1	5	FRANCE
11	00	31	17.8%	11.143	N	60.857	W	5	G		0.6	7	WINDWARD ISLANDS
11	00	57	39.4	25.776	N	67.639	E	33	N	4.3	1.0	29	PAKISTAN
11	01	05	59.8	44.117	N	10.318	E	10	G		0.7	12	NORTHERN ITALY. ML 2.2 (LDG), 2.2 (GEN).
11	01	11	02.1	57.863	S	25.442	W	33	N	5.2 4.8	0.9	53	SOUTH SANDWICH ISLANDS REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:11:08.7; Lat 58.10 S; Lon 25.07 W; Dep 44.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.02, Plg=75, Azm=304; (N) Val=0.38, Plg=8, Azm=183; (P) Val=-7.40, Plg=13, Azm=91; Best double couple: Mo=7.2*10**16 Nm; NP1: Strike=171, Dip=33, Slip=75; NP2: Strike=8, Dip=58, Slip=99.
11	01	16	20.8*	8.885	S	118.961	E	116	*	4.4	1.5	26	SUMBAWA REGION, INDONESIA
11	01	30	10.1?	34.98	S	71.11	W	100	G		0.1	7	NEAR COAST OF CENTRAL CHILE
11	02	09	58.7?	26.03	N	128.66	E	33	N		0.7	6	RYUKYU ISLANDS
11	02	15	47.0*	26.050	N	128.882	E	33	N	4.1	1.1	14	RYUKYU ISLANDS
11	02	26	03.5?	34.99	S	70.89	W	95	G		0.1	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
11	02	36	03.0	30.198	N	139.230	E	329		4.3	0.8	38	SOUTH OF HONSHU, JAPAN
11	02	39	01.1%	45.441	N	26.361	E	150	G		0.7	9	ROMANIA

11	03	07	49.5?	33.00	S	72.00	W	20	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
11	03	08	26.0?	29.94	N	68.35	E	33	N		1.6	5	PAKISTAN
11	03	19	13.6*	39.442	N	76.833	E	33	N		0.6	9	SOUTHERN XINJIANG, CHINA
11	03	23	37.6	26.092	N	128.571	E	33	N	4.8 4.5	1.2	42	RYUKYU ISLANDS
11	03	33	47.1	39.449	N	76.744	E	33	N	4.4	0.6	58	SOUTHERN XINJIANG, CHINA
11	03	51	28.2	41.513	N	142.031	E	74	D	4.3	1.1	40	HOKKAIDO, JAPAN REGION
11	04	13	16.9?	39.69	N	76.74	E	33	N		1.0	8	SOUTHERN XINJIANG, CHINA
11	04	18	50.3*	4.567	S	125.273	E	450	G	4.4	0.9	15	BANDA SEA
11	04	24	30.5	1.780	N	127.167	E	126	*	5.1	1.1	66	HALMAHERA, INDONESIA
11	04	29	11.8	39.591	N	76.895	E	33	N	4.5 4.2	1.0	44	SOUTHERN XINJIANG, CHINA
11	04	32	12.7&	43.392	N	5.411	E	10	G		0.6	14	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR).
11	04	38	53.6*	6.337	S	131.152	E	33	N	4.3	1.3	7	TANIMBAR ISLANDS REG., INDONESIA
11	05	24	33.0	45.922	N	150.897	E	58	D	4.6	0.9	85	KURIL ISLANDS
11	05	34	42.7	39.527	N	76.941	E	15	G	5.8 6.1	1.0	433	SOUTHERN XINJIANG, CHINA. Mw 6.2 (HRV), 6.0 (GS). Me 5.8 (GS). Ms 6.0 (BRK). At least 9 people killed, 89 injured, 100,000 homeless, thousands of buildings destroyed and 11,000 livestock killed in Jiashi County. Felt in Bachu, Shule, Yingjisha and Yuehpuhu Counties. This is the largest earthquake to date in a swarm of large strike-slip and normal faulting events which began on January 21, 1997. Broadband Source Parameters (GS): Dep 15; NP1: Strike=195, Dip=60, Slip=-120; NP2: Strike=64, Dip=41, Slip=-49; Radiated energy 1.2*10**13 Nm. Moment Tensor (GS): Dep 8; Principal axes (scale 10**18 Nm): (T) Val=1.15, Plg=0, Azm=290; (N) Val=0.00, Plg=1, Azm=200; (P) Val=-1.16, Plg=89, Azm=40; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=21, Dip=45, Slip=-89; NP2: Strike=199, Dip=45, Slip=-91. Centroid, Moment Tensor (HRV): Centroid origin time 05:34:49.7; Lat 39.61 N; Lon 76.93 E; Dep 15.0 Fix; Half-duration 3.0 sec; Principal axes (scale 10**18 Nm): (T) Val=2.15, Plg=15, Azm=119; (N) Val=-0.18, Plg=25, Azm=22; (P) Val=-1.96, Plg=60, Azm=237; Best double couple: Mo=2.1*10**18 Nm; NP1: Strike=240, Dip=37, Slip=-45; NP2: Strike=9, Dip=65, Slip=-118.
11	05	48	17.9&	39.412	N	77.663	E	33	N		0.9	10	SOUTHERN XINJIANG, CHINA
11	06	02	20.1&	60.094	N	152.792	W	111				42	SOUTHERN ALASKA. <AEIC>.
11	06	10	42.7?	39.41	N	77.03	E	33	N		1.5	6	SOUTHERN XINJIANG, CHINA
11	06	18	51.0?	39.66	N	76.88	E	33	N		1.3	7	SOUTHERN XINJIANG, CHINA
11	06	25	31.7*	39.647	N	76.506	E	33	N		1.2	12	SOUTHERN XINJIANG, CHINA
11	06	34	15.9*	26.512	N	141.102	E	50	G		1.1	8	BONIN ISLANDS REGION
11	06	57	46.5	11.053	N	60.831	W	5	G	4.7	1.3	41	WINDWARD ISLANDS. MD 4.3 (TRN). Felt on Trinidad and Tobago.
11	07	45	42.3*	39.746	N	72.678	E	50	G		0.4	6	KYRGYZSTAN
11	07	50	07.5*	39.660	N	76.586	E	33	N		1.5	9	SOUTHERN XINJIANG, CHINA
11	07	50	29.4	5.659	N	125.179	E	77	D	4.9	1.3	57	MINDANAO, PHILIPPINE ISLANDS
11	08	09	39.2?	16.28	N	45.02	W	10	G		1.2	7	NORTHERN MID-ATLANTIC RIDGE
11	08	18	16.4*	36.069	N	7.209	W	70	G		0.6	22	STRAIT OF GIBRALTAR. MD 3.5 (MDD).
11	08	57	01.2	3.687	S	141.209	E	70		4.9	1.3	49	NEW GUINEA, PAPUA NEW GUINEA
11	09	05	17.5*	39.638	N	76.872	E	33	N	4.3	1.0	16	SOUTHERN XINJIANG, CHINA
11	09	32	58.1	26.118	N	128.591	E	33	N	5.1 4.9	0.9	61	RYUKYU ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:33:00.7; Lat 25.97 N; Lon 128.71 E; Dep 24.9; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.36, Plg=62, Azm=330; (N) Val=0.24, Plg=4, Azm=231; (P) Val=-1.60, Plg=28, Azm=139; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=217, Dip=18, Slip=75; NP2: Strike=53, Dip=73, Slip=95.
11	09	38	41.8*	14.287	S	75.672	W	62	*	4.2	1.1	16	NEAR COAST OF PERU
11	09	39	31.3*	26.089	N	128.710	E	33	N	4.3	0.8	11	RYUKYU ISLANDS
11	09	57	59.2	26.110	N	128.633	E	33	N	4.7	1.0	28	RYUKYU ISLANDS
11	10	04	39.7*	26.140	N	128.850	E	33	N	4.6	1.3	27	RYUKYU ISLANDS
11	10	24	31.6*	39.665	N	76.530	E	33	N		1.4	10	SOUTHERN XINJIANG, CHINA
11	10	28	38.4*	3.397	S	145.981	E	33	N	4.8	1.3	22	NEAR N COAST OF NEW GUINEA, PNG.
11	10	38	57.5&	44.716	N	6.807	E	10	G		0.3	5	FRANCE. ML 1.9 (GEN).
11	10	47	06.0&	44.339	N	7.594	E	10	G		0.3	7	NORTHERN ITALY. ML 2.1 (LDG).
11	11	25	33.6	39.505	N	77.153	E	33	N		1.0	17	SOUTHERN XINJIANG, CHINA
11	11	37	09.1*	20.454	S	68.810	W	146	?	4.0	1.4	8	CHILE-BOLIVIA BORDER REGION
11	11	41	33.7&	37.190	N	3.668	W	10	G		0.9	6	SPAIN
11	11	51	44.8?	39.26	N	76.77	E	33	N		1.3	5	SOUTHERN XINJIANG, CHINA
11	12	01	45.4	26.124	N	128.500	E	33	N	5.5 5.1	1.1	241	RYUKYU ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:01:50.0; Lat 26.12 N; Lon 128.67 E; Dep 19.8; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.66, Plg=62, Azm=336; (N) Val=0.14, Plg=8, Azm=231; (P) Val=-1.80, Plg=27, Azm=137; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=208, Dip=20, Slip=65; NP2: Strike=54, Dip=72, Slip=98.
11	12	32	09.1*	8.920	S	110.319	E	33	N	4.1	1.5	15	JAWA, INDONESIA
11	12	32	16.6*	39.398	N	76.641	E	33	N	4.5	1.3	15	SOUTHERN XINJIANG, CHINA
11	12	37	40.0?	30.98	S	68.93	W	120	G		0.6	8	SAN JUAN PROVINCE, ARGENTINA
11	12	42	18.2*	39.323	N	76.743	E	33	N		1.4	11	SOUTHERN XINJIANG, CHINA
11	13	39	07.2*	26.153	N	128.724	E	33	N	3.9	1.1	22	RYUKYU ISLANDS
11	14	13	57.7?	26.07	N	128.79	E	33	N	3.4	1.5	8	RYUKYU ISLANDS
11	14	17	36.8?	10.73	S	165.79	E	33	N		0.8	6	SANTA CRUZ ISLANDS
11	14	28	54.7&	34.617	N	116.640	W	5				26	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.8 (PAS).
11	14	50	27.7*	5.460	S	147.411	E	178	*	4.6	1.4	12	EASTERN NEW GUINEA REG., P.N.G.
11	14	58	17.4?	25.99	N	128.87	E	33	N		0.9	6	RYUKYU ISLANDS
11	15	25	55.7?	2.97	S	134.09	E	33	N	4.1	1.5	6	IRIAN JAYA REGION, INDONESIA
11	15	56	20.8	37.183	N	72.216	E	256	D	3.9	0.5	32	TAJIKISTAN
11	16	25	48.9?	5.10	S	152.88	E	100	G		1.3	10	NEW BRITAIN REGION, P.N.G.
11	16	30	50.6*	24.775	S	179.566	W	550	G	4.5	0.9	23	SOUTH OF FIJI ISLANDS
11	16	31	55.7*	30.217	N	68.007	E	33	N	3.6	1.3	7	PAKISTAN
11	17	11	26.7&	57.850	N	154.096	W	54		3.0		63	KODIAK ISLAND REGION. <AEIC>. ML 3.3 (AEIC).

11	17	16	53.5%	33.151	S	70.237	W	10	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
11	17	40	29.5*	17.781	S	178.642	W	550	G	4.6		1.0	21	FIJI ISLANDS REGION
11	18	08	31.9*	26.089	N	128.849	E	33	N	4.1		1.2	18	RYUKYU ISLANDS
11	18	53	58.5*	21.590	N	143.310	E	300	G			0.9	7	MARIANA ISLANDS REGION
11	18	56	22.8?	39.07	N	77.80	E	33	N	3.3		0.5	6	SOUTHERN XINJIANG, CHINA
11	19	07	32.4	11.730	N	142.017	E	33	N	4.9	4.4	1.0	94	SOUTH OF MARIANA ISLANDS
11	19	15	47.2&	37.597	N	118.909	W	6					7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
11	19	19	07.0&	61.009	N	146.144	W	23					64	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
11	19	58	22.4?	35.68	N	140.26	E	10	G			0.3	5	NEAR EAST COAST OF HONSHU, JAPAN
11	20	17	49.0%	5.804	N	127.000	E	100	G			0.6	6	PHILIPPINE ISLANDS REGION
11	20	48	48.9*	39.510	N	76.372	E	33	N	3.7		1.4	11	SOUTHERN XINJIANG, CHINA
11	22	57	56.7*	16.533	S	69.568	W	200		4.3		1.0	15	PERU-BOLIVIA BORDER REGION
11	23	07	16.8*	53.838	N	160.709	W	33	N	3.6		0.9	6	SOUTH OF ALASKA
11	23	11	43.5?	1.24	S	136.35	E	33	N	4.1		1.3	8	IRIAN JAYA REGION, INDONESIA
11	23	27	44.3%	44.694	N	8.942	E	10	G			0.5	10	NORTHERN ITALY. ML 2.0 (GEN).
12	00	01	57.6&	58.644	N	153.101	W	62					138	KODIAK ISLAND REGION. <AEIC>. ML 4.1 (AEIC), 4.6 (PMR).
12	00	06	06.6%	11.372	N	60.974	W	10	G			0.7	6	WINDWARD ISLANDS. MD 2.9 (TRN).
12	00	40	28.0	39.487	N	143.331	E	33	N	4.5		0.9	41	OFF EAST COAST OF HONSHU, JAPAN
12	02	24	49.2?	41.68	N	138.86	E	33	N	3.4		1.1	9	EASTERN SEA OF JAPAN
12	03	05	30.4	10.951	N	60.727	W	10	G	4.0		1.4	17	TRINIDAD. MD 3.9 (TRN).
12	04	11	51.4	4.521	S	152.920	E	39		5.0	4.5	0.8	112	NEW BRITAIN REGION, P.N.G. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:11:56.7; Lat 4.64 S; Lon 153.08 E; Dep 59.0; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=7.50, Plg=70, Azm=352; (N) Val=-2.04, Plg=10, Azm=234; (P) Val=-5.46, Plg=17, Azm=141; Best double couple: Mo=6.5*10**16 Nm; NP1: Strike=216, Dip=29, Slip=70; NP2: Strike=59, Dip=63, Slip=101.
12	05	35	24.1*	33.467	N	75.729	E	33	N			1.5	6	EASTERN KASHMIR
12	06	26	35.9?	16.41	S	177.29	W	300	G	3.8		0.8	14	FIJI ISLANDS REGION
12	06	36	14.1	40.457	N	63.335	E	33	N	4.1		1.0	34	NORTHWESTERN UZBEKISTAN
12	06	36	23.5?	25.49	N	108.84	W	10	G			0.4	5	GULF OF CALIFORNIA
12	06	43	23.5*	30.858	N	137.957	E	400	G	2.9		1.5	15	SOUTH OF HONSHU, JAPAN
12	06	57	16.4%	44.363	N	7.343	E	10	G			0.5	6	NORTHERN ITALY. ML 1.7 (GEN).
12	07	03	02.4%	33.410	S	71.477	W	33	N			0.4	9	NEAR COAST OF CENTRAL CHILE
12	07	03	32.0%	36.627	N	139.506	E	10	G			0.6	6	EASTERN HONSHU, JAPAN
12	07	05	07.4	38.314	N	120.526	E	33	N	4.5		1.1	20	NORTHEASTERN CHINA
12	07	16	24.3	61.348	N	150.736	W	69	*			0.7	19	SOUTHERN ALASKA. ML 2.9 (AEIC), 2.9 (PMR).
12	07	17	03.0?	16.26	S	173.57	W	33	N	4.4		1.4	12	TONGA ISLANDS
12	07	54	50.1?	31.75	S	71.75	W	33	N			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
12	08	17	16.7?	19.18	N	144.98	E	33	N	4.0		0.8	9	MARIANA ISLANDS
12	08	40	43.1*	19.930	S	177.961	W	450	G	3.8		0.5	10	FIJI ISLANDS REGION
12	09	01	13.1*	38.275	N	74.792	E	100	G	3.8		1.0	11	TAJIKISTAN-XINJIANG BORDER REG.
12	09	14	58.9%	33.041	S	70.327	W	100	G			0.6	8	CHILE-ARGENTINA BORDER REGION
12	09	21	56.4	28.171	S	178.369	W	184	D	5.8		0.9	359	KERMADEC ISLANDS REGION. Mw 6.0 (GS), 6.0 (HRV). Me 5.7 (GS). Broadband Source Parameters (GS): Dep 184; NP1: Strike=130, Dip=70, Slip=-135; NP2: Strike=21, Dip=48, Slip=-27; Radiated energy 9.4*10**12 Nm. Moment Tensor (GS): Dep 180; Principal axes (scale 10**17 Nm): (T) Val=9.77, Plg=21, Azm=238; (N) Val=0.00, Plg=22, Azm=139; (P) Val=-9.77, Plg=59, Azm=8; Best double couple: Mo=9.8*10**17 Nm; NP1: Strike=1, Dip=30, Slip=-43; NP2: Strike=130, Dip=70, Slip=-113. Centroid, Moment Tensor (HRV): Centroid origin time 09:22:01.8; Lat 27.94 S; Lon 178.10 W; Dep 191.9; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=0.93, Plg=10, Azm=264; (N) Val=0.08, Plg=37, Azm=167; (P) Val=-1.01, Plg=51, Azm=6; Best double couple: Mo=9.7*10**17 Nm; NP1: Strike=30, Dip=48, Slip=-36; NP2: Strike=146, Dip=64, Slip=-132.
12	09	46	13.0&	63.496	N	151.601	W	12					19	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
12	11	09	40.3	42.491	N	144.179	E	76	*	4.4		1.0	24	HOKKAIDO, JAPAN REGION
12	11	21	37.9%	35.961	N	3.217	W	10	G			1.0	20	STRAIT OF GIBRALTAR. mbLg 3.7 (MDD). Felt (II) in the Melilla area, Spain.
12	11	43	08.4*	27.656	S	65.673	E	10	G			0.8	12	SOUTH INDIAN OCEAN
12	12	03	32.0*	33.037	S	68.824	W	10	G			0.9	11	MENDOZA PROVINCE, ARGENTINA. MD 3.7 (SAN).
12	12	21	47.2?	27.56	S	65.29	E	10	G			1.2	6	SOUTH INDIAN OCEAN
12	13	00	02.1?	33.62	S	71.77	W	30	G			0.9	8	NEAR COAST OF CENTRAL CHILE. MD 2.9 (SAN).
12	13	26	20.4?	27.68	S	65.62	E	10	G			0.9	8	SOUTH INDIAN OCEAN
12	15	37	10.9*	46.979	N	11.772	E	10	G			0.9	7	NORTHERN ITALY. ML 2.4 (VIE), 2.3 (FUR).
12	15	40	40.7*	6.284	S	147.987	E	33	N	4.4		0.7	15	EASTERN NEW GUINEA REG., P.N.G.
12	16	41	30.4	43.249	N	126.347	W	10	G	3.7		0.7	93	OFF COAST OF OREGON
12	17	19	44.9?	29.33	S	74.49	E	10	G			1.1	6	MID-INDIAN RIDGE
12	17	39	33.5*	5.968	S	146.361	E	112		4.4		1.0	19	EASTERN NEW GUINEA REG., P.N.G.
12	17	40	43.8*	37.922	N	27.782	E	10	G	4.0		1.1	12	TURKEY. MD 3.8 (ISK). Felt at Germencik.
12	18	13	01.6*	51.761	N	178.683	W	33	N			1.0	8	ANDREANOF ISLANDS, ALEUTIAN IS.
12	18	21	53.5*	15.239	N	147.588	E	33	N	4.4		1.0	31	MARIANA ISLANDS REGION
12	18	42	27.1?	27.70	S	65.68	E	10	G	4.7		1.0	14	SOUTH INDIAN OCEAN
12	19	58	28.0*	27.638	S	65.703	E	10	G	4.6		1.0	12	SOUTH INDIAN OCEAN
12	20	30	19.6?	27.74	S	65.65	E	10	G			0.7	8	SOUTH INDIAN OCEAN
12	20	45	24.2?	23.72	S	169.40	E	100	G	4.2		1.1	11	LOYALTY ISLANDS REGION
12	21	09	08.9	39.474	N	76.899	E	20	D	5.2	5.0	1.0	228	SOUTHERN XINJIANG, CHINA. Mw 5.3 (HRV). Additional damage in Jiashi County. Centroid, Moment Tensor (HRV): Centroid origin time 21:09:15.0; Lat 39.64 N; Lon 77.20 E; Dep 16.0 Bdy; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.08, Plg=0, Azm=136; (N) Val=-0.04, Plg=19, Azm=46; (P) Val=-1.04, Plg=71, Azm=226; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=243, Dip=48, Slip=-65; NP2: Strike=28, Dip=48, Slip=-115.
12	21	10	28.7?	3.92	N	127.82	E	33	N	4.5		1.3	12	TALAUD ISLANDS, INDONESIA
12	21	14	36.7%	39.309	N	76.835	E	33	N			1.0	12	SOUTHERN XINJIANG, CHINA
12	21	41	25.3*	39.491	N	76.711	E	33	N	3.6		1.4	10	SOUTHERN XINJIANG, CHINA

12	22	00	37.2?	33.54	S	69.42	W	5	G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
12	22	17	48.9*	46.559	N	10.208	E	10	G			0.6	5	NORTHERN ITALY
12	22	29	37.0&	60.687	N	150.939	W	47					21	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC), 3.7 (PMR).
12	22	39	34.6?	34.40	S	70.44	W	100	G			0.9	8	CHILE-ARGENTINA BORDER REGION
12	22	45	22.2	30.354	N	97.380	E	33	N			0.9	16	XIZANG
12	22	48	03.8?	30.42	N	97.56	E	33	N			0.5	6	XIZANG
12	23	00	01.1	46.597	N	10.440	E	10	G			1.0	106	NORTHERN ITALY. ML 3.8 (GRF), 3.7 (FUR), 3.7 (STR), 3.6 (VIE), 3.4 (LDG).
12	23	04	44.0	64.032	N	21.358	W	10	G	4.1		1.2	32	ICELAND
12	23	57	50.1*	3.799	N	126.902	E	100	G	4.6		1.0	16	TALAUD ISLANDS, INDONESIA
13	00	16	41.3?	33.51	S	77.69	E	10	G			1.0	6	MID-INDIAN RIDGE
13	01	11	28.1*	3.202	S	134.402	E	33	N	4.4		1.3	14	IRIAN JAYA REGION, INDONESIA
13	01	19	13.1	42.116	N	142.320	E	73	D	4.5		1.0	64	HOKKAIDO, JAPAN REGION
13	01	39	50.3?	25.16	S	177.89	W	100	G	4.7		1.5	15	SOUTH OF FIJI ISLANDS
13	01	57	55.2*	30.488	N	142.714	E	33	N	3.5		1.0	13	SOUTH OF HONSHU, JAPAN
13	02	46	23.2%	17.401	N	62.291	W	33	N			0.2	6	LEEWARD ISLANDS
13	03	04	42.3	39.583	N	76.452	E	33	N	3.3		1.2	10	SOUTHERN XINJIANG, CHINA
13	03	11	17.8*	49.144	N	154.945	E	100	G	3.2		0.7	16	KURIL ISLANDS
13	03	17	12.7	7.201	S	120.146	E	350	G	4.5		0.7	29	FLORES SEA
13	03	47	15.1*	6.618	S	147.468	E	100	G	4.4		1.0	23	EASTERN NEW GUINEA REG., P.N.G.
13	04	33	40.6?	34.47	S	70.38	W	5	G			0.6	8	CHILE-ARGENTINA BORDER REGION
13	04	53	56.5	7.984	N	126.617	E	50	G	5.2	4.3	1.0	113	MINDANAO, PHILIPPINE ISLANDS
13	04	54	38.8%	37.206	N	3.711	W	10	G			0.7	11	SPAIN. mbLg 2.8 (MDD).
13	05	33	20.8*	0.765	S	67.633	E	10	G			1.2	13	CARLSBERG RIDGE
13	06	04	09.3%	37.250	N	3.686	W	10	G			0.8	6	SPAIN. mbLg 2.0 (MDD).
13	06	57	01.4?	44.51	N	129.72	W	10	G			0.6	30	OFF COAST OF OREGON
13	07	02	41.2	51.620	N	175.230	W	25	D	4.3		1.1	62	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
13	08	48	34.5	21.163	S	176.607	W	200	G	4.7		1.0	62	FIJI ISLANDS REGION
13	09	38	10.3?	3.95	N	127.67	E	33	N	3.8		0.4	7	TALAUD ISLANDS, INDONESIA
13	09	52	47.4	51.670	N	16.127	E	5	G			0.9	43	POLAND. ML 3.7 (FUR), 3.4 (CLL).
13	10	05	47.8?	3.15	S	134.71	E	33	N	4.0		1.2	8	IRIAN JAYA REGION, INDONESIA
13	10	34	09.0&	62.874	N	151.682	W	10					59	CENTRAL ALASKA. <AEIC>. ML 2.3 (AEIC), 3.0 (PMR).
13	10	44	11.2*	15.175	S	173.506	W	33	N	3.3		0.6	13	TONGA ISLANDS
13	11	15	37.2%	33.166	S	71.689	W	40	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
13	11	27	55.3	29.067	N	69.526	E	33	N	4.2		0.9	23	PAKISTAN
13	11	38	01.4%	37.323	N	3.752	W	10	G			0.3	5	SPAIN. mbLg 2.1 (MDD).
13	12	09	00.7*	8.268	N	127.902	E	64	D	4.1		0.9	12	PHILIPPINE ISLANDS REGION
13	12	24	05.5&	63.511	N	150.744	W	13					38	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.6 (PMR).
13	12	26	14.4	30.420	N	97.389	E	33	N	3.7		1.2	25	XIZANG
13	12	42	48.5?	17.26	S	178.12	W	500	G	4.0		0.9	15	FIJI ISLANDS REGION
13	12	43	08.1&	63.489	N	150.831	W	9					28	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
13	13	15	57.5*	39.682	N	76.345	E	33	N	3.5		1.4	12	SOUTHERN XINJIANG, CHINA
13	13	55	51.6*	8.722	N	125.793	E	33	N			1.2	7	MINDANAO, PHILIPPINE ISLANDS
13	14	31	41.3%	31.866	N	99.529	E	33	N			1.0	7	SICHUAN, CHINA
13	15	17	23.6*	19.727	S	175.299	W	100	G	4.8		1.0	19	TONGA ISLANDS
13	17	27	24.2*	13.343	N	120.468	E	33	N	4.3		0.7	11	MINDORO, PHILIPPINE ISLANDS
13	17	45	14.5	23.718	N	121.582	E	69	D	5.2		0.9	148	TAIWAN. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:45:14.6; Lat 23.91 N; Lon 121.61 E; Dep 61.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.09, Plg=12, Azm=310; (N) Val=1.71, Plg=10, Azm=218; (P) Val=-5.80, Plg=74, Azm=90; Best double couple: Mo=4.9*10**16 Nm; NP1: Strike=53, Dip=34, Slip=-72; NP2: Strike=212, Dip=58, Slip=-102.
13	18	04	12.8	55.947	N	109.103	E	10	G	4.8	4.6	0.7	92	LAKE BAYKAL REGION, RUSSIA. Felt (V) at Nizhneangarsk and Severobaykalsk.
13	18	04	16.1*	45.114	N	126.461	W	10	G	2.5		0.7	36	OFF COAST OF OREGON
13	18	57	07.4*	52.925	N	160.683	E	33	N			0.9	18	OFF EAST COAST OF KAMCHATKA
13	19	09	22.1%	11.231	N	61.393	W	20	G			0.3	6	WINDWARD ISLANDS
13	19	13	11.5	33.435	S	179.460	W	53	D	5.3		1.1	172	SOUTH OF KERMADEC ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:13:15.6; Lat 33.24 S; Lon 179.15 W; Dep 45.2; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.28, Plg=74, Azm=277; (N) Val=0.39, Plg=0, Azm=9; (P) Val=-1.66, Plg=16, Azm=99; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=190, Dip=29, Slip=91; NP2: Strike=8, Dip=61, Slip=89.
13	19	35	56.1*	39.746	N	76.544	E	33	N	3.3		0.9	8	SOUTHERN XINJIANG, CHINA
13	19	53	51.9	10.671	S	164.212	E	33	N	5.3	5.2	1.0	113	SANTA CRUZ ISLANDS REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:53:53.0; Lat 10.80 S; Lon 164.37 E; Dep 22.2; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.92, Plg=12, Azm=153; (N) Val=-0.67, Plg=70, Azm=28; (P) Val=-2.25, Plg=16, Azm=247; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=290, Dip=70, Slip=-3; NP2: Strike=20, Dip=87, Slip=-160.
13	20	25	58.6	51.626	N	130.807	W	10	G	4.3		1.2	106	QUEEN CHARLOTTE ISLANDS REGION. ML 4.0 (PGC).
13	20	51	07.6	0.655	N	120.283	E	33	N	4.8		0.9	47	MINAHASSA PENINSULA, SULAWESI
13	21	05	51.1&	58.133	N	151.559	W	45					46	KODIAK ISLAND REGION. <AEIC>. ML 2.6 (AEIC).
13	21	21	44.3	22.836	S	176.397	W	63	D	4.6		0.9	43	SOUTH OF FIJI ISLANDS
13	21	22	23.5	38.017	S	48.658	E	10	G	4.7	4.6	0.7	28	SOUTHWEST INDIAN RIDGE
13	21	34	04.5&	61.872	N	150.772	W	64					35	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 3.1 (PMR).
13	22	03	55.6&	63.056	N	149.880	W	95					57	CENTRAL ALASKA. <AEIC>.
13	22	14	38.1	30.468	N	97.414	E	33	N	4.5		1.3	21	XIZANG
13	22	23	11.3&	61.671	N	149.913	W	41					74	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
13	22	23	58.1?	38.23	S	48.44	E	10	G			0.6	8	SOUTHWEST INDIAN RIDGE
13	22	53	16.9&	38.824	N	122.800	W	5					13	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
13	22	54	00.4*	36.457	N	69.592	E	300	G	3.6		1.1	28	HINDU KUSH REGION, AFGHANISTAN
13	23	09	41.3%	38.067	S	48.644	E	10	G			0.6	9	SOUTHWEST INDIAN RIDGE
13	23	13	25.6%	38.118	S	48.577	E	10	G			0.6	8	SOUTHWEST INDIAN RIDGE
13	23	18	02.9*	38.101	S	48.585	E	10	G	4.4	3.7	0.5	13	SOUTHWEST INDIAN RIDGE
13	23	20	33.3	18.371	S	71.255	W	33	N	5.1	5.1	1.0	128	OFF COAST OF NORTHERN CHILE. Mw 5.5 (HRV). Felt (II) at Arequipa, Peru.

													Centroid, Moment Tensor (HRV): Centroid origin time 23:20:38.4; Lat 18.56 S; Lon 71.87 W; Dep 50.5; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.06, Plg=80, Azm=36; (N) Val=0.44, Plg=3, Azm=144; (P) Val=-2.49, Plg=9, Azm=235; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=328, Dip=36, Slip=95; NP2: Strike=142, Dip=54, Slip=86.
13	23	23	30.6	37.742	S	48.967	E	10	G	4.3		0.7	6	SOUTHWEST INDIAN RIDGE
13	23	27	58.0*	17.235	S	70.634	W	150	G	4.6		0.9	25	NEAR COAST OF PERU
13	23	31	29.0*	19.496	S	71.633	W	33	N	4.2		0.9	11	OFF COAST OF NORTHERN CHILE
13	23	38	01.5&	38.050	S	48.641	E	10	G			0.6	9	SOUTHWEST INDIAN RIDGE
13	23	40	18.0	38.018	S	48.725	E	10	G	4.8		0.7	24	SOUTHWEST INDIAN RIDGE
13	23	43	22.0*	18.732	S	71.653	W	33	N	4.7		1.1	17	OFF COAST OF NORTHERN CHILE
13	23	43	41.5*	38.032	S	48.832	E	10	G	4.6	4.1	1.2	14	SOUTHWEST INDIAN RIDGE
13	23	47	37.7*	37.668	S	48.720	E	10	G	4.1		0.9	10	SOUTHWEST INDIAN RIDGE
14	00	02	11.4	39.534	N	76.941	E	33	N	4.5		0.8	52	SOUTHERN XINJIANG, CHINA
14	00	06	00.4*	38.002	S	48.571	E	10	G	4.6	4.6	0.9	22	SOUTHWEST INDIAN RIDGE
14	00	06	17.8?	7.22	N	126.12	E	33	N	4.5		1.3	8	MINDANAO, PHILIPPINE ISLANDS
14	00	08	54.0*	38.586	N	141.773	E	60	D			1.0	17	NEAR EAST COAST OF HONSHU, JAPAN
14	00	14	33.0&	38.072	S	48.446	E	10	G			0.2	8	SOUTHWEST INDIAN RIDGE
14	00	29	03.2*	37.995	S	48.508	E	10	G	4.3		0.4	8	SOUTHWEST INDIAN RIDGE
14	00	38	17.1?	38.57	S	48.16	E	10	G			1.3	7	SOUTHWEST INDIAN RIDGE
14	00	46	49.9*	38.007	S	48.699	E	10	G	4.5		1.0	12	SOUTHWEST INDIAN RIDGE
14	01	02	32.7*	37.404	S	48.542	E	10	G	4.7		1.3	15	SOUTHWEST INDIAN RIDGE
14	01	07	36.9*	38.018	S	48.559	E	10	G	4.9	4.5	1.1	28	SOUTHWEST INDIAN RIDGE
14	01	11	48.0?	38.13	S	48.52	E	10	G			0.5	7	SOUTHWEST INDIAN RIDGE
14	01	31	16.8*	38.067	S	48.486	E	10	G	4.3	4.4	0.4	14	SOUTHWEST INDIAN RIDGE
14	01	33	13.5*	37.879	S	48.679	E	10	G	4.0		0.7	11	SOUTHWEST INDIAN RIDGE
14	01	33	37.6*	34.226	N	89.643	E	33	N	4.6	4.2	1.0	17	XIZANG
14	01	51	51.7?	38.02	S	48.64	E	10	G			0.2	6	SOUTHWEST INDIAN RIDGE
14	01	54	25.1?	37.96	S	48.59	E	10	G			0.3	6	SOUTHWEST INDIAN RIDGE
14	02	03	19.4	50.438	N	18.782	E	10	G			1.2	10	POLAND. MG 2.9 (WAR).
14	02	29	26.3&	12.842	S	166.000	E	33	N			0.6	8	SANTA CRUZ ISLANDS
14	02	35	10.1	8.506	S	158.943	E	109	D	5.0		0.9	89	SOLOMON ISLANDS
14	02	45	36.2&	11.105	N	60.795	W	10	G			0.8	5	WINDWARD ISLANDS. MD 3.3 (TRN).
14	03	04	26.5*	37.990	S	48.799	E	10	G	4.5	4.1	0.5	16	SOUTHWEST INDIAN RIDGE
14	03	13	04.5?	38.74	S	48.19	E	10	G	4.4	4.4	1.0	11	SOUTHWEST INDIAN RIDGE
14	03	25	37.3?	38.00	S	48.63	E	10	G			0.6	8	SOUTHWEST INDIAN RIDGE
14	03	36	00.2	15.122	N	119.803	E	300	G			0.9	10	LUZON, PHILIPPINE ISLANDS
14	03	38	06.8&	11.105	N	60.854	W	5	G			0.6	6	WINDWARD ISLANDS. MD 3.0 (TRN).
14	03	41	22.5?	38.11	S	48.44	E	10	G			0.6	7	SOUTHWEST INDIAN RIDGE
14	03	53	17.4?	38.19	S	48.47	E	10	G	4.3		1.1	11	SOUTHWEST INDIAN RIDGE
14	03	55	43.1*	15.183	N	146.573	E	33	N			0.7	15	MARIANA ISLANDS
14	03	58	20.1?	38.02	S	49.67	E	10	G			1.0	8	SOUTHWEST INDIAN RIDGE
14	04	27	35.1?	37.95	S	48.57	E	10	G	4.1	4.3	0.2	5	SOUTHWEST INDIAN RIDGE
14	05	07	17.0*	38.190	S	48.592	E	10	G	4.7	4.5	1.1	22	SOUTHWEST INDIAN RIDGE
14	05	33	09.9?	32.19	S	71.66	W	20	G			0.7	9	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
14	05	53	33.3*	37.965	S	48.565	E	10	G	5.1	5.1	1.3	41	SOUTHWEST INDIAN RIDGE. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:53:39.1; Lat 37.98 S; Lon 48.48 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.14, Plg=0, Azm=149; (N) Val=-0.32, Plg=0, Azm=59; (P) Val=-0.81, Plg=90, Azm=180; Best double couple: Mo=9.7*10**16 Nm; NP1: Strike=239, Dip=45, Slip=-90; NP2: Strike=59, Dip=45, Slip=-90.
14	05	58	21.3?	7.91	S	127.38	E	200	G	4.3		1.2	6	BANDA SEA
14	06	27	53.5&	44.747	N	7.251	E	10	G			0.4	12	NORTHERN ITALY. ML 2.2 (GEN).
14	06	35	24.1	44.773	N	7.303	E	10	G			0.8	36	NORTHERN ITALY. ML 2.7 (GEN), 2.7 (LDG), 2.3 (STR).
14	06	58	21.6?	21.48	S	178.59	W	300	G	3.9		1.3	9	FIJI ISLANDS REGION
14	07	03	06.9*	37.206	S	48.937	E	10	G	4.3	4.1	1.0	9	SOUTHWEST INDIAN RIDGE
14	07	23	13.4?	23.35	S	179.81	E	500	G	4.1		0.3	10	SOUTH OF FIJI ISLANDS
14	07	44	38.6*	18.422	S	71.252	W	43	D	4.1		1.4	20	OFF COAST OF NORTHERN CHILE
14	07	46	38.2*	18.357	S	71.273	W	33	N	3.8		1.1	7	OFF COAST OF NORTHERN CHILE
14	08	03	12.3?	38.20	S	47.97	E	10	G			0.2	6	SOUTHWEST INDIAN RIDGE
14	08	24	16.7	9.886	N	126.219	E	33	N	4.8	4.5	1.0	69	MINDANAO, PHILIPPINE ISLANDS
14	08	37	20.7	34.155	S	70.212	W	10	G			0.3	12	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
14	08	39	46.1&	36.447	N	70.556	E	200	G			0.8	8	HINDU KUSH REGION, AFGHANISTAN
14	08	52	07.9?	37.95	S	48.65	E	10	G			1.1	5	SOUTHWEST INDIAN RIDGE
14	08	57	22.4&	38.067	N	118.734	W	6					26	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK).
14	09	11	09.3?	34.19	S	70.14	W	10	G			0.3	7	CHILE-ARGENTINA BORDER REGION
14	09	25	17.2?	18.49	S	168.93	E	250	G	4.1		0.9	9	VANUATU ISLANDS
14	09	29	26.6	38.074	S	48.482	E	10	G	5.1	5.1	0.8	57	SOUTHWEST INDIAN RIDGE. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:29:32.1; Lat 38.06 S; Lon 48.60 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.09, Plg=12, Azm=339; (N) Val=-0.19, Plg=15, Azm=246; (P) Val=-0.90, Plg=71, Azm=106; Best double couple: Mo=9.9*10**16 Nm; NP1: Strike=88, Dip=35, Slip=-64; NP2: Strike=236, Dip=59, Slip=-108.
14	09	30	48.4	39.048	N	111.389	W	5	G			0.9	15	UTAH. MD 3.1 (SLC).
14	09	43	00.6*	6.592	S	129.858	E	186	*	4.5		0.9	11	BANDA SEA
14	10	03	03.4	47.306	N	10.857	E	5	G			1.2	10	AUSTRIA. ML 2.2 (VIE).
14	10	21	20.2&	50.927	N	128.772	W	10	G			1.4	6	VANCOUVER ISLAND REGION
14	11	20	53.2&	38.068	N	118.764	W	0		4.2			66	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 4.0 (GM). ML 4.2 (BRK).
14	11	27	37.7&	38.791	N	122.756	W	3					21	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK).
14	11	42	44.4	9.927	N	126.255	E	33	N	4.9	4.5	0.9	59	MINDANAO, PHILIPPINE ISLANDS
14	11	44	21.2&	11.145	N	60.875	W	5	G			1.1	7	WINDWARD ISLANDS. MD 3.7 (TRN).
14	12	01	19.5&	7.754	N	82.424	W	10	G			1.2	6	SOUTH OF PANAMA. MD 4.2 (UPA).
14	12	09	45.2	15.734	N	96.475	W	33	N	4.6		1.0	52	NEAR COAST OF OAXACA, MEXICO
14	12	40	58.4	29.735	N	68.271	E	33	N	4.2		1.2	21	PAKISTAN
14	12	44	45.2&	11.081	N	60.768	W	10	G			1.2	5	WINDWARD ISLANDS. MD 2.9 (TRN).

14	13	28	57.3?	37.99	S	48.72	E	10	G	4.0		1.4	9	SOUTHWEST INDIAN RIDGE
14	13	36	49.9*	30.055	N	67.920	E	33	N	3.9		1.1	8	PAKISTAN
14	14	15	10.1&	58.156	N	151.557	W	20					4	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
14	14	58	19.6	6.366	N	124.070	E	550	G	4.9		1.0	68	MINDANAO, PHILIPPINE ISLANDS
14	15	12	25.6*	25.736	N	103.645	E	10	G	3.7		1.0	10	YUNNAN, CHINA
14	15	30	49.2?	34.40	N	89.86	E	33	N	3.2		1.0	8	XIZANG
14	15	32	02.6?	19.98	S	177.90	W	400	G	4.1		0.6	9	FIJI ISLANDS REGION
14	17	53	33.1	22.574	N	94.459	E	97	D	4.9		0.8	168	MYANMAR. Mw 5.3 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 17:53:38.2; Lat 22.55 N; Lon 94.18 E; Dep 110.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.77, Plg=30, Azm=112; (N) Val=-0.21, Plg=58, Azm=268; (P) Val=-8.55, Plg=11, Azm=15; Best double couple: Mo=8.7*10**16 Nm; NP1: Strike=150, Dip=61, Slip=165; NP2: Strike=247, Dip=77, Slip=30.
14	18	54	24.6&	38.001	S	48.651	E	10	G			0.6	8	SOUTHWEST INDIAN RIDGE
14	19	27	07.9?	5.70	S	150.67	E	33	N	4.1		0.9	6	NEW BRITAIN REGION, P.N.G.
14	19	35	07.9*	5.127	S	77.896	W	100	G	3.8		1.0	22	NORTHERN PERU
14	19	47	00.1	34.527	N	32.248	E	33	N	4.2		0.8	66	CYPRUS REGION
14	19	48	15.8	26.097	N	128.674	E	33	N	4.5		0.9	22	RYUKYU ISLANDS
14	20	07	15.3	38.038	S	48.613	E	10	G	4.8	4.4	0.9	32	SOUTHWEST INDIAN RIDGE
14	20	27	34.8?	10.63	S	124.01	E	70	G	3.8		1.0	7	TIMOR REGION, INDONESIA
14	20	27	37.4&	11.068	N	60.785	W	5	G			0.6	6	WINDWARD ISLANDS. MD 2.9 (TRN).
14	21	39	06.1&	33.608	S	70.694	W	70	G			0.2	6	CHILE-ARGENTINA BORDER REGION
14	22	11	48.0&	33.067	N	116.442	W	12					21	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.9 (PAS).
14	22	32	48.3	42.679	N	144.399	E	75	?	4.4		0.7	25	HOKKAIDO, JAPAN REGION
14	22	44	51.1&	33.031	S	71.428	W	50	G			0.2	7	NEAR COAST OF CENTRAL CHILE
14	22	57	03.0&	66.399	N	148.293	W	112					14	NORTHERN ALASKA. <AEIC>.
14	23	16	57.9?	9.70	S	110.12	E	33	N	4.0		1.4	9	SOUTH OF JAWA, INDONESIA
14	23	51	18.5*	7.694	N	82.359	W	10	G			1.4	10	SOUTH OF PANAMA. MD 4.3 (UPA).
14	23	54	58.3&	36.081	N	120.631	W	6					18	CENTRAL CALIFORNIA. <GM-P>. MD 3.4 (GM). ML 3.2 (BRK).
15	00	09	59.1	9.920	N	126.213	E	33	N	4.9	3.9	0.9	48	MINDANAO, PHILIPPINE ISLANDS
15	00	13	16.3	22.672	N	94.592	E	120	D	4.9		0.7	152	MYANMAR
15	00	25	08.4*	10.375	N	126.930	E	100	G	4.0		1.2	10	PHILIPPINE ISLANDS REGION
15	00	31	44.8?	37.70	S	49.59	E	10	G			1.0	5	SOUTHWEST INDIAN RIDGE
15	00	34	33.3	48.703	N	147.637	E	492	D	4.5		0.6	120	SEA OF OKHOTSK
15	01	10	19.7&	33.186	S	70.405	W	100	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.3 (SAN).
15	01	10	35.6*	24.057	S	179.878	W	500	G	4.5		0.8	22	SOUTH OF FIJI ISLANDS
15	01	12	34.0?	19.63	N	95.76	W	250	G	3.8		1.5	16	VERACRUZ, MEXICO
15	01	18	07.6*	32.736	S	57.144	E	10	G	4.2		0.8	8	SOUTHWEST INDIAN RIDGE
15	02	39	47.8*	9.751	N	125.913	E	33	N	4.5		1.1	14	MINDANAO, PHILIPPINE ISLANDS
15	02	43	34.2	31.313	S	68.570	W	105	D	4.3		1.2	32	SAN JUAN PROVINCE, ARGENTINA. MD 4.5 (SAN).
15	02	49	20.3*	3.456	S	135.400	E	33	N	4.3		1.2	13	IRIAN JAYA REGION, INDONESIA
15	03	08	42.4?	31.60	S	69.14	W	170	G			0.3	8	SAN JUAN PROVINCE, ARGENTINA. MD 3.5 (SAN).
15	03	49	47.6*	42.637	N	0.104	E	5	G			1.0	5	PYRENEES. ML 1.9 (LDG). mbLg 1.9 (MDD).
15	04	12	21.9*	39.508	N	76.853	E	33	N	4.2		1.0	24	SOUTHERN XINJIANG, CHINA
15	04	29	46.1	9.896	N	126.221	E	33	N	4.5		0.9	27	MINDANAO, PHILIPPINE ISLANDS
15	04	37	19.9?	10.14	N	126.39	E	33	N	3.8		1.4	6	PHILIPPINE ISLANDS REGION
15	04	58	47.4?	65.26	N	165.96	W	10	G			0.9	7	NORTHERN ALASKA
15	05	06	26.6*	49.539	N	159.210	E	33	D	4.4		0.9	21	EAST OF KURIL ISLANDS
15	05	09	33.9	38.086	S	48.519	E	10	G	4.8	4.9	0.9	48	SOUTHWEST INDIAN RIDGE. Mw 5.1 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 05:09:36.2; Lat 38.09 S; Lon 48.41 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.46, Plg=0, Azm=154; (N) Val=-1.43, Plg=90, Azm=180; (P) Val=-5.03, Plg=0, Azm=64; Best double couple: Mo=5.8*10**16 Nm; NP1: Strike=199, Dip=90, Slip=-180; NP2: Strike=289, Dip=90, Slip=0.
15	05	50	07.7	28.896	N	138.789	E	493		2.9		0.4	16	BONIN ISLANDS REGION
15	05	51	48.9?	35.30	N	77.69	E	33	N	3.3		1.5	7	EASTERN KASHMIR
15	05	58	42.3*	52.121	N	178.292	E	125	*	3.6		1.0	12	RAT ISLANDS, ALEUTIAN ISLANDS
15	05	59	26.2	37.146	N	141.457	E	46	D			0.9	19	NEAR EAST COAST OF HONSHU, JAPAN
15	07	38	02.2	11.054	N	60.801	W	5	G	3.5		0.4	10	WINDWARD ISLANDS. MD 3.5 (TRN).
15	07	51	02.8	16.453	N	86.842	W	33	N	5.0	4.9	1.1	177	CARIBBEAN SEA. Mw 5.5 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 07:51:01.4; Lat 16.54 N; Lon 87.03 W; Dep 27.0; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.07, Plg=6, Azm=110; (N) Val=0.19, Plg=77, Azm=353; (P) Val=-2.26, Plg=12, Azm=201; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=245, Dip=77, Slip=-4; NP2: Strike=336, Dip=86, Slip=-167.
15	09	10	06.6?	31.56	S	70.00	W	150	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
15	09	18	25.0?	9.10	S	150.30	E	33	N	3.3		1.1	6	EASTERN NEW GUINEA REG., P.N.G.
15	09	54	08.6	30.238	N	138.440	E	432	D	4.8		1.3	81	SOUTH OF HONSHU, JAPAN
15	11	59	20.1*	59.788	S	26.598	W	100	G	4.5		1.1	25	SOUTH SANDWICH ISLANDS REGION
15	12	39	46.4?	6.82	S	130.01	E	100	G	3.7		1.3	7	BANDA SEA
15	12	48	07.2	28.775	N	130.144	E	33	N	4.7		1.1	25	RYUKYU ISLANDS
15	13	36	47.4	51.481	N	176.324	W	33	N	4.3		1.0	32	ANDREANOF ISLANDS, ALEUTIAN IS.
15	13	58	37.7*	46.563	N	152.981	E	33	N	3.3		0.3	13	KURIL ISLANDS
15	14	14	19.4*	9.996	N	126.730	E	33	N	3.7		1.1	8	MINDANAO, PHILIPPINE ISLANDS
15	14	35	37.4?	1.07	N	98.09	E	33	N	4.3		1.0	10	NORTHERN SUMATERA, INDONESIA
15	14	43	12.7*	20.521	S	177.613	W	250	G	3.6		0.9	12	FIJI ISLANDS REGION
15	15	26	30.3*	6.701	S	127.717	E	300	G	4.6		1.1	19	BANDA SEA
15	15	41	45.5*	10.777	S	161.878	E	33	N	4.0		1.4	10	SOLOMON ISLANDS
15	16	25	05.9*	10.848	S	166.097	E	200	G	4.3		1.2	19	SANTA CRUZ ISLANDS
15	17	41	26.9	3.732	N	96.141	E	52	D	4.9		0.8	78	NORTHERN SUMATERA, INDONESIA
15	18	02	17.6*	39.495	N	77.028	E	33	N	4.2		1.1	18	SOUTHERN XINJIANG, CHINA
15	18	19	10.1	39.634	N	76.992	E	23	D	5.4	5.8	1.0	339	SOUTHERN XINJIANG, CHINA. Mw 5.8 (GS), 5.8 (HRV). Me 5.7 (GS). One person injured and some buildings destroyed in Jiashi County.
														Broadband Source Parameters (GS): Dep 16; NP1: Strike=170, Dip=65, Slip=-145; NP2: Strike=64, Dip=59, Slip=-30; Radiated energy 9.2*10**12 Nm.

													Moment Tensor (GS): Dep 7; Principal axes (scale 10**17 Nm): (T) Val=5.32, Plg=10, Azm=295; (N) Val=0.06, Plg=28, Azm=200; (P) Val=-5.38, Plg=60, Azm=43; Best double couple: Mo=5.4*10**17 Nm; NP1: Strike=55, Dip=43, Slip=-46; NP2: Strike=182, Dip=61, Slip=-123. Centroid, Moment Tensor (HRV): Centroid origin time 18:19:15.6; Lat 39.69 N; Lon 76.99 E; Dep 23.0 Fix; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=8.16, Plg=5, Azm=123; (N) Val=-3.19, Plg=60, Azm=222; (P) Val=-4.97, Plg=29, Azm=30; Best double couple: Mo=6.6*10**17 Nm; NP1: Strike=170, Dip=66, Slip=-162; NP2: Strike=73, Dip=74, Slip=-25.
15	18	30	28.7&	54.901	N	158.738	W	0				9	SOUTH OF ALASKA. <AEIC>. ML 2.8 (AEIC).
15	18	51	27.8*	39.668	N	77.292	E	33	N	4.3	1.1	20	SOUTHERN XINJIANG, CHINA
15	18	55	40.1*	39.480	N	76.990	E	33	N		0.8	11	SOUTHERN XINJIANG, CHINA
15	19	00	06.7	42.952	N	0.088	E	5	G		0.3	6	PYRENEES. ML 2.3 (LDG), 2.3 (STR). mbLg 2.3 (MDD).
15	19	04	27.3	8.735	S	26.359	E	10	G	5.0 4.8	0.9	98	ZAIRE
15	19	35	14.0	36.848	N	142.060	E	33	N		0.8	17	OFF EAST COAST OF HONSHU, JAPAN
15	20	00	24.6	19.117	N	104.359	W	33	N	4.7 4.7	1.1	70	NEAR COAST OF JALISCO, MEXICO
15	20	27	58.2	10.697	N	69.491	W	10	G	5.2 4.5	0.8	258	VENEZUELA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:28:03.8; Lat 10.69 N; Lon 69.63 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.03, Plg=29, Azm=70; (N) Val=-0.29, Plg=60, Azm=235; (P) Val=-0.74, Plg=6, Azm=336; Best double couple: Mo=8.9*10**16 Nm; NP1: Strike=109, Dip=65, Slip=163; NP2: Strike=206, Dip=75, Slip=26.
15	20	40	14.2	56.229	N	164.319	E	29	D	4.6	1.1	43	KOMANDORSKY ISLANDS REGION
15	20	43	44.8*	30.120	N	97.132	E	100	G		0.7	11	XIZANG
15	21	33	26.7?	24.14	N	122.42	E	54	*	4.8 4.5	1.3	47	TAIWAN REGION
15	22	16	43.8?	16.76	S	179.12	W	400	G	3.7	0.6	9	FIJI ISLANDS REGION
15	22	20	06.0	40.129	N	21.847	E	33	N	3.5	1.3	20	GREECE
15	22	32	49.6*	46.433	N	13.675	E	5	G		0.9	6	AUSTRIA. ML 2.4 (VIE).
15	23	41	25.6*	24.077	N	122.502	E	33	N	3.9	0.9	14	TAIWAN REGION
16	00	03	01.6	52.217	N	159.696	E	33	N	4.5	0.9	48	OFF EAST COAST OF KAMCHATKA
16	00	17	29.3*	39.702	N	76.350	E	33	N	3.9	1.0	14	SOUTHERN XINJIANG, CHINA
16	00	22	36.5*	7.192	N	82.977	W	20	G		0.7	10	SOUTH OF PANAMA. MD 4.3 (UPA).
16	00	34	08.4%	30.213	N	68.010	E	33	N		1.3	11	PAKISTAN
16	01	23	26.5*	39.568	N	76.870	E	33	N	4.5 4.0	1.2	23	SOUTHERN XINJIANG, CHINA
16	02	49	45.4?	35.29	S	71.14	W	120	G		0.2	10	CENTRAL CHILE. MD 3.4 (SAN).
16	03	46	23.0%	17.940	N	100.734	W	33	N		1.2	7	GUERRERO, MEXICO
16	04	00	23.0*	21.166	S	71.145	W	33	N		1.2	8	OFF COAST OF NORTHERN CHILE
16	04	35	50.4&	46.433	N	122.332	W	15				79	WASHINGTON. <SEA-P>. MD 2.6 (SEA).
16	04	53	41.6*	46.607	N	155.311	E	33	N	4.7	1.0	23	EAST OF KURIL ISLANDS
16	05	10	46.1*	73.016	N	5.827	E	10	G	4.0	0.4	5	GREENLAND SEA
16	06	21	33.2	44.617	N	148.101	E	33	N	4.7	0.9	72	KURIL ISLANDS
16	06	28	44.3*	44.219	S	38.993	E	10	G	4.3	1.5	16	PRINCE EDWARD ISLANDS REGION
16	06	47	23.7&	64.660	N	151.012	W	19				22	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
16	07	10	53.3&	63.360	N	145.215	W	3				22	CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.5 (PMR).
16	07	27	21.9?	51.64	N	177.26	W	33	N		1.1	7	ANDREANOF ISLANDS, ALEUTIAN IS.
16	08	24	12.9&	60.098	N	153.007	W	103				101	SOUTHERN ALASKA. <AEIC>.
16	08	42	27.5	78.510	N	125.515	E	10	G	4.8 4.3	0.9	141	EAST OF SEVERNAYA ZEMLYA, RUSSIA
16	08	47	44.4*	4.999	S	152.428	E	64	*	4.6	0.9	17	NEW BRITAIN REGION, P.N.G.
16	09	09	00.9	22.116	S	63.701	W	529		4.1	0.8	39	SALTA PROVINCE, ARGENTINA
16	09	15	57.2	7.167	N	80.411	W	10	G	4.1	1.0	28	PANAMA. MD 4.6 (UPA). Felt (III) at Arraijan and on Peninsula de Azuero. Also felt at Panama City.
16	10	20	37.0	58.913	N	146.087	W	10	G		0.6	41	GULF OF ALASKA. ML 2.5 (AEIC).
16	10	23	16.8?	9.81	S	124.77	E	33	N	4.1	1.2	11	TIMOR REGION, INDONESIA
16	11	27	59.6?	17.68	S	178.60	W	550	G	4.4	1.1	18	FIJI ISLANDS REGION
16	11	42	56.5	10.995	N	60.640	W	5	G	4.3	1.3	16	TRINIDAD. MD 4.1 (TRN).
16	12	45	09.6*	4.209	N	32.520	W	10	G	4.4	1.0	25	CENTRAL MID-ATLANTIC RIDGE
16	12	50	06.9&	63.367	N	145.202	W	6				48	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
16	12	57	00.2*	28.564	S	68.924	W	86	*		1.1	20	LA RIOJA PROVINCE, ARGENTINA
16	13	26	16.5*	19.144	N	121.357	E	33	N	4.3 3.8	1.1	18	PHILIPPINE ISLANDS REGION
16	13	30	23.6%	4.900	N	32.544	W	10	G		0.9	9	CENTRAL MID-ATLANTIC RIDGE
16	14	17	20.5%	36.680	N	2.915	W	5	G		0.5	6	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
16	14	40	14.4*	6.535	S	147.887	E	75	*	3.6	0.7	9	EASTERN NEW GUINEA REG., P.N.G.
16	15	37	48.8	13.370	N	90.591	W	33	N	4.4	1.1	56	NEAR COAST OF GUATEMALA
16	15	59	10.9	17.673	S	178.870	W	550	G	4.5	0.9	77	FIJI ISLANDS REGION
16	16	41	03.5&	36.880	N	121.614	W	8				25	CENTRAL CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.3 (GS), 3.3 (BRK). Felt in the epicentral area.
16	16	46	24.8%	33.159	S	70.326	W	5	G		0.3	6	CHILE-ARGENTINA BORDER REGION
16	16	47	45.3*	7.225	S	126.737	E	391	*	4.3	0.8	16	BANDA SEA
16	16	53	45.7?	32.23	S	69.71	W	150	G		0.2	8	MENDOZA PROVINCE, ARGENTINA. MD 3.4 (SAN).
16	17	02	47.9&	36.879	N	121.615	W	8				20	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.2 (GS), 3.1 (BRK). Felt in the epicentral area.
16	17	42	05.7*	4.637	N	127.675	E	120	*	4.2	0.9	16	TALAUD ISLANDS, INDONESIA
16	17	50	22.1*	9.080	N	40.457	W	10	G	4.4	1.0	19	CENTRAL MID-ATLANTIC RIDGE
16	18	06	46.4&	36.871	N	121.606	W	7				5	CENTRAL CALIFORNIA. <GM-P>. MD 2.2 (GM).
16	18	19	45.9?	38.00	S	49.35	E	10	G	4.3	1.5	9	SOUTHWEST INDIAN RIDGE
16	18	52	16.4&	53.842	N	165.749	W	60				20	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.6 (AEIC).
16	19	15	41.1	51.679	N	16.213	E	5	G		0.6	17	POLAND. ML 3.4 (GRF), 3.1 (VIE).
16	19	17	53.9*	18.534	N	146.006	E	167	D	4.4	1.1	26	MARIANA ISLANDS
16	19	19	38.6	13.201	N	90.497	W	33	N	4.8 4.4	1.1	106	NEAR COAST OF GUATEMALA
16	19	51	14.0%	10.001	N	126.437	E	33	N		1.1	8	PHILIPPINE ISLANDS REGION
16	19	53	21.4	51.692	N	16.092	E	5	G		0.9	28	POLAND. ML 3.9 (GRF), 3.7 (FUR), 3.6 (VIE).
16	19	59	44.7?	44.35	N	7.42	E	10	G		0.2	4	NORTHERN ITALY. ML 1.8 (GEN).
16	20	09	58.2*	47.474	N	129.231	W	10	G	3.7	0.9	10	OFF COAST OF WASHINGTON
16	20	51	32.2*	11.235	N	140.551	E	33	N	3.8	0.7	9	WESTERN CAROLINE ISLANDS
16	22	20	08.9%	16.871	N	100.321	W	10	G		0.7	6	NEAR COAST OF GUERRERO, MEXICO
16	22	53	56.1	12.809	N	124.886	E	33	N	4.9	1.2	49	SAMAR, PHILIPPINE ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:53:57.1; Lat 12.91 N; Lon 125.42 E; Dep 19.6; Half-

duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.91, Plg=11, Azm=10; (N) Val=1.54, Plg=24, Azm=275; (P) Val=-6.45, Plg=63, Azm=123; Best double couple: Mo=5.7*10**16 Nm; NP1: Strike=128, Dip=40, Slip=-50; NP2: Strike=260, Dip=60, Slip=-118.

17	00	21	32.7?	17.48	S	178.46	W	550	G	4.0	0.7	10	FIJI ISLANDS REGION
17	00	30	59.0	2.744	S	127.309	E	33	N	5.4 5.0	1.4	76	CERAM SEA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:31:03.1; Lat 2.23 S; Lon 127.37 E; Dep 50.0; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.48, Plg=20, Azm=337; (N) Val=0.30, Plg=70, Azm=146; (P) Val=-1.78, Plg=4, Azm=246; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=20, Dip=73, Slip=168: NP2: Strike=113, Dip=79, Slip=17.
17	00	38	04.1&	53.388	N	163.800	W	38		4.6 4.5		53	UNIMAK ISLAND REGION. <AEIC>. ML 4.3 (AEIC).
17	01	18	49.5*	19.825	S	177.526	W	350	G	3.8	0.6	13	FIJI ISLANDS REGION
17	01	29	26.5	47.684	N	82.940	E	33	N	4.4	1.1	44	KAZAKHSTAN-XINJIANG BORDER REG.
17	01	33	15.7	31.898	S	57.301	E	10	G	4.9	0.7	19	SOUTHWEST INDIAN RIDGE
17	01	43	13.8&	36.882	N	121.620	W	8				8	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK). Felt in the epicentral area.
17	01	44	36.8&	36.881	N	121.618	W	8				9	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK). Felt in the epicentral area.
17	01	51	16.3?	38.13	S	48.47	E	10	G		0.2	6	SOUTHWEST INDIAN RIDGE
17	01	52	54.4&	36.878	N	121.611	W	8				11	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.2 (BRK). Felt in the epicentral area.
17	02	13	10.6?	10.01	N	125.96	E	33	N	4.2	0.7	8	LEYTE, PHILIPPINE ISLANDS
17	02	22	50.5?	31.92	S	70.69	W	100	G		0.3	8	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
17	02	24	46.0?	24.97	S	176.92	W	100	G		0.9	9	SOUTH OF FIJI ISLANDS
17	03	21	27.0*	48.971	S	9.715	W	10	G	4.5	1.1	14	SOUTHERN MID-ATLANTIC RIDGE
17	03	26	32.7	51.621	N	179.731	E	68		4.6	0.9	97	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.0 (PMR).
17	03	56	23.0*	39.135	N	77.207	E	33	N	3.6	1.1	13	SOUTHERN XINJIANG, CHINA
17	04	28	06.6?	33.03	S	70.24	W	100	G		0.2	8	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
17	04	37	29.3*	52.816	N	166.752	W	33	N		1.1	18	FOX ISLANDS, ALEUTIAN ISLANDS
17	05	26	21.8?	42.92	N	12.81	E	10	G	3.1	0.2	7	CENTRAL ITALY
17	07	29	09.9?	11.04	N	144.71	E	33	N	3.5	1.1	5	SOUTH OF MARIANA ISLANDS
17	08	10	37.4*	37.106	N	57.623	E	33	N	3.2	1.2	9	TURKMENISTAN-IRAN BORDER REGION
17	08	47	53.3?	41.93	N	142.24	E	85	*		1.0	6	HOKKAIDO, JAPAN REGION
17	08	51	06.4	4.864	N	127.578	E	110	*	4.6	0.8	30	TALAUD ISLANDS, INDONESIA
17	09	28	29.3?	7.29	N	72.68	W	150	G	3.5	1.2	8	NORTHERN COLOMBIA
17	09	43	58.2	44.659	N	130.098	W	10	G	2.7	1.0	44	OFF COAST OF OREGON
17	09	56	10.6	51.637	N	16.236	E	5	G	3.0	0.9	12	POLAND. ML 2.6 (CLL).
17	10	21	39.5?	65.67	S	176.21	W	10	G	4.2	1.3	8	PACIFIC-ANTARCTIC RIDGE
17	10	35	11.6	51.647	N	16.185	E	5	G	3.8	0.8	30	POLAND. ML 4.1 (FUR), 4.0 (VIE), 3.6 (CLL).
17	11	41	58.1?	38.10	S	48.32	E	10	G		0.9	6	SOUTHWEST INDIAN RIDGE
17	11	54	41.9&	37.451	N	118.596	W	11				5	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
17	12	06	40.2	51.614	N	16.210	E	5	G	4.0	1.0	36	POLAND. ML 4.4 (GRF), 3.9 (VIE).
17	12	16	26.0	43.310	N	18.902	E	10	G	4.0	1.2	89	NORTHWESTERN BALKAN REGION
17	12	43	30.5	43.016	N	145.214	E	65	*	4.3	0.9	50	HOKKAIDO, JAPAN REGION
17	12	47	24.1*	0.132	N	16.610	W	10	G	4.3	1.4	10	NORTH OF ASCENSION ISLAND
17	12	50	43.2	46.181	N	7.918	E	10	G		0.5	15	SWITZERLAND. ML 2.5 (GEN).
17	13	05	17.9*	33.766	N	134.934	E	33	N		1.1	7	SHIKOKU, JAPAN
17	13	15	59.0%	44.427	N	7.453	E	10	G		0.4	8	NORTHERN ITALY. ML 2.6 (LDG).
17	13	17	14.5?	20.22	S	178.79	W	550	G	3.8	0.7	11	FIJI ISLANDS REGION
17	13	18	03.8*	13.524	S	171.939	E	33	N	4.3	1.1	8	VANUATU ISLANDS REGION
17	14	17	28.4	44.530	N	129.678	W	10	G	3.7	1.0	73	OFF COAST OF OREGON
17	14	19	28.0?	11.59	S	165.00	E	33	N	4.0	1.3	11	SANTA CRUZ ISLANDS
17	14	39	38.2	40.369	N	116.177	W	5	G		1.0	29	NEVADA. ML 4.3 (GS).
17	15	05	01.1	39.712	N	110.634	W	5	G		0.8	18	UTAH. MD 2.9 (SLC).
17	15	07	31.1*	5.606	S	153.378	E	100	G		0.8	9	NEW IRELAND REGION, P.N.G.
17	15	10	38.1*	2.117	N	127.530	E	100	G		1.3	14	NORTHERN MOLUCCA SEA
17	16	17	52.4	51.641	N	16.419	E	5	G		1.1	11	POLAND. ML 3.2 (VIE).
17	16	19	17.8?	10.14	N	57.18	E	10	G		1.3	9	CARLSBERG RIDGE
17	16	36	14.7?	51.85	N	175.99	W	33	N	2.8	0.9	5	ANDREANOF ISLANDS, ALEUTIAN IS.
17	16	38	55.3*	27.996	S	178.147	W	200	G	4.2	1.0	34	KERMADEC ISLANDS REGION
17	17	24	18.7	37.052	N	4.220	W	5	G		0.7	21	SPAIN. mbLg 3.4 (MDD).
17	17	30	37.0&	45.189	N	120.083	W	2				47	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 3.2 (SEA).
17	17	47	44.0*	12.978	N	144.430	E	33	N	4.2	1.4	16	SOUTH OF MARIANA ISLANDS. Felt at Agana, Agana Heights and Dededo, Guam.
17	18	03	42.5&	59.028	N	152.720	W	70				48	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
17	18	30	00.4	44.509	N	9.759	E	10	G		0.7	28	NORTHERN ITALY. ML 2.7 (LDG), 2.7 (GEN).
17	18	30	25.9	45.525	N	26.471	E	110	G		0.7	18	ROMANIA
17	18	34	08.4?	13.96	N	126.13	E	33	N		1.3	6	PHILIPPINE ISLANDS REGION
17	18	46	24.4	37.033	N	4.222	W	5	G		0.8	22	SPAIN. mbLg 3.6 (MDD).
17	19	28	29.4?	33.94	S	71.87	W	33	N		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
17	19	29	12.2	13.142	N	143.953	E	141		4.7	0.8	78	SOUTH OF MARIANA ISLANDS
17	20	03	17.0*	40.090	N	22.821	E	33	N		0.9	11	GREECE
17	20	11	42.3?	35.35	N	140.07	E	33	N		0.5	5	NEAR EAST COAST OF HONSHU, JAPAN
17	20	24	37.3%	37.025	N	4.205	W	5	G		0.8	10	SPAIN. mbLg 2.2 (MDD).
17	21	00	58.8?	13.63	S	173.07	E	33	N	4.1	0.5	9	FIJI ISLANDS REGION
17	21	38	50.6*	63.802	S	172.739	E	10	G	4.6	0.9	18	BALLENY ISLANDS REGION
17	21	42	24.6*	41.234	N	14.473	E	10	G		1.2	20	SOUTHERN ITALY. ML 3.3 (LDG).
17	23	29	27.4*	39.691	N	76.293	E	33	N	3.5	1.3	8	SOUTHERN XINJIANG, CHINA
17	23	42	45.8*	44.440	N	129.582	W	10	G	3.0	1.1	16	OFF COAST OF OREGON
18	00	15	24.3*	24.369	N	142.134	E	98	*	4.2	0.5	12	VOLCANO ISLANDS REGION
18	00	48	07.5&	61.512	N	150.615	W	60		3.7		58	SOUTHERN ALASKA. <AEIC>. ML 4.0 (AEIC), 4.1 (PMR). Felt (II) at Anchorage and Palmer. Also felt at Eagle River.
18	01	25	59.4?	44.63	N	149.40	E	33	N	4.2	1.0	9	KURIL ISLANDS
18	01	55	26.6%	44.382	N	7.337	E	10	G		0.4	6	NORTHERN ITALY. ML 1.7 (GEN).
18	01	59	38.0*	14.781	S	173.743	W	33	N	4.3	0.7	21	SAMOA ISLANDS REGION
18	02	12	42.2*	13.928	N	121.413	E	33	N	4.4	0.7	7	MINDORO, PHILIPPINE ISLANDS
18	04	03	33.9*	10.746	N	62.666	W	81	D	3.9	0.9	19	NEAR COAST OF VENEZUELA
18	04	09	18.1*	33.292	S	179.495	W	33	N	4.9	1.1	21	SOUTH OF KERMADEC ISLANDS
18	05	24	40.2?	31.24	S	72.03	W	10	G		0.2	10	OFF COAST OF CENTRAL CHILE

18	05	32	18.4?	29.75	N	68.00	E	33	N	3.5		1.4	8	PAKISTAN
18	05	46	41.1*	38.025	S	48.577	E	10	G	4.5	3.5	1.1	22	SOUTHWEST INDIAN RIDGE
18	06	38	56.7?	15.73	S	173.80	W	33	N			0.4	9	TONGA ISLANDS
18	06	43	01.5?	38.69	S	178.02	E	33	N	4.6		1.0	9	OFF E. COAST OF N. ISLAND, N.Z.
18	07	27	18.5	8.561	N	83.008	W	10	G			1.1	14	COSTA RICA. MD 4.5 (UPA).
18	07	34	20.9?	19.69	S	177.87	W	500	G	4.0		0.9	7	FIJI ISLANDS REGION
18	07	50	42.6*	1.495	N	120.218	E	33	N			0.7	6	MINAHASSA PENINSULA, SULAWESI
18	07	58	10.1*	0.541	N	125.216	E	33	N			1.1	5	NORTHERN MOLUCCA SEA
18	08	03	11.7	0.066	N	123.453	E	163		4.8		1.1	39	MINAHASSA PENINSULA, SULAWESI
18	09	04	37.1&	36.509	N	4.567	W	10	G			0.5	8	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
18	09	10	20.2	1.568	S	150.441	E	33	N	4.8		1.0	34	NEW IRELAND REGION, P.N.G.
18	09	44	45.6&	62.566	N	152.078	W	13		3.5			91	CENTRAL ALASKA. <AEIC>. ML 3.9 (AEIC), 3.8 (PMR).
18	10	03	53.8&	63.293	N	151.204	W	17					51	CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC), 3.6 (PMR).
18	10	16	58.5?	43.33	N	67.06	E	33	N	3.7		1.7	12	CENTRAL KAZAKHSTAN
18	11	09	10.3*	55.343	N	162.106	W	33	N			0.5	7	ALASKA PENINSULA
18	12	27	27.1&	37.033	N	4.201	W	10	G			0.8	5	SPAIN. mbLg 2.4 (MDD).
18	12	39	48.2*	49.275	N	155.620	E	33	N	4.2		1.0	23	KURIL ISLANDS
18	12	43	22.8*	8.741	S	129.426	E	169	?	4.2		1.4	10	TIMOR SEA
18	12	49	24.3	41.069	S	91.406	W	10	G	5.1	4.7	1.0	61	SOUTHERN PACIFIC OCEAN. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:49:27.4; Lat 41.22 S; Lon 91.47 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.98, Plg=24, Azm=42; (N) Val=-0.36, Plg=66, Azm=208; (P) Val=-1.62, Plg=5, Azm=309; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=83, Dip=70, Slip=166; NP2: Strike=178, Dip=77, Slip=21.
18	12	57	08.5	3.157	S	134.452	E	33	N	4.7		1.0	34	IRIAN JAYA REGION, INDONESIA
18	13	00	59.3*	41.532	N	142.023	E	104	?			1.0	14	HOKKAIDO, JAPAN REGION
18	13	48	04.9*	38.206	N	142.751	E	10	G	4.5		0.7	7	NEAR EAST COAST OF HONSHU, JAPAN
18	14	51	41.6?	40.52	N	127.58	W	10	G	3.1		1.6	9	OFF COAST OF NORTHERN CALIFORNIA
18	14	57	35.3?	25.78	N	86.55	W	33	N	3.9		0.8	7	GULF OF MEXICO
18	15	06	30.9	21.818	S	177.982	W	361	D	4.7		1.0	83	FIJI ISLANDS REGION
18	15	35	40.6*	10.160	S	161.191	E	112	*	4.5		0.8	18	SOLOMON ISLANDS
18	16	06	31.9*	8.353	S	128.734	E	56	?	4.1		1.6	16	TIMOR SEA
18	16	08	34.0?	0.05	S	16.47	W	10	G			0.9	6	NORTH OF ASCENSION ISLAND
18	19	02	51.7&	35.316	N	80.950	E	33	N			1.3	7	KASHMIR-XIZANG BORDER REGION
18	19	25	47.7*	31.088	S	177.814	W	33	N	4.9		1.4	29	KERMADEC ISLANDS REGION
18	20	01	24.5?	26.36	S	27.81	E	5	G			0.3	4	REPUBLIC OF SOUTH AFRICA
18	20	32	32.3*	2.917	S	138.665	E	95	*	4.4		1.1	18	IRIAN JAYA, INDONESIA
18	20	42	30.7*	25.250	S	179.582	E	536	?	4.6		1.0	26	SOUTH OF FIJI ISLANDS
18	21	10	45.7?	20.86	S	177.74	W	500	G	4.0		1.0	15	FIJI ISLANDS REGION
18	22	03	22.1&	30.071	N	68.184	E	33	N			1.1	15	PAKISTAN
18	22	03	59.3?	32.71	S	71.88	W	10	G			0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
18	22	09	31.0	51.189	N	178.926	E	33	N	4.6	4.5	1.0	78	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.0 (PMR).
18	22	09	46.1*	5.963	S	153.524	E	41	*	4.4		1.0	30	NEW IRELAND REGION, P.N.G.
18	22	15	21.7?	6.19	S	153.41	E	33	N	3.8		0.5	6	NEW BRITAIN REGION, P.N.G.
18	22	46	30.4*	6.889	S	155.327	E	116	?	4.3		0.8	28	SOLOMON ISLANDS
19	00	37	57.7?	1.30	N	97.57	E	33	N			0.8	7	NORTHERN SUMATERA, INDONESIA
19	01	29	41.9*	6.964	S	145.077	E	48	*	4.2		1.2	10	NEW GUINEA, PAPUA NEW GUINEA
19	02	54	39.0&	33.763	N	79.580	E	33	N			0.4	5	KASHMIR-XIZANG BORDER REGION
19	03	00	22.0?	20.22	S	68.52	W	100	G	4.4		1.6	11	CHILE-BOLIVIA BORDER REGION
19	03	20	09.2&	37.212	N	3.705	W	10	G			0.8	8	SPAIN. mbLg 2.5 (MDD).
19	03	25	01.1?	63.88	S	158.80	W	10	G	4.9	5.1	1.6	16	PACIFIC-ANTARCTIC RIDGE. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:25:07.4; Lat 62.96 S; Lon 158.10 W; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.87, Plg=17, Azm=355; (N) Val=-0.39, Plg=70, Azm=142; (P) Val=-2.48, Plg=11, Azm=262; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=38, Dip=70, Slip=175; NP2: Strike=129, Dip=85, Slip=20.
19	04	39	12.1&	34.504	S	70.389	W	5	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
19	05	00	29.1*	18.208	N	100.187	W	33	N			0.9	6	GUERRERO, MEXICO
19	05	53	14.1	28.042	N	56.894	E	27	D	5.5	5.4	0.9	266	SOUTHERN IRAN. Mw 5.6 (HRV), 5.5 (GS). Moment Tensor (GS): Dep 16; Principal axes (scale 10**17 Nm): (T) Val=2.06, Plg=38, Azm=72; (N) Val=0.05, Plg=44, Azm=294; (P) Val=-2.11, Plg=22, Azm=181; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=223, Dip=45, Slip=13; NP2: Strike=123, Dip=80, Slip=135. Centroid, Moment Tensor (HRV): Centroid origin time 05:53:17.2; Lat 27.64 N; Lon 57.01 E; Dep 19.0 Bdy; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.15, Plg=37, Azm=70; (N) Val=0.86, Plg=52, Azm=268; (P) Val=-3.01, Plg=8, Azm=167; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=215, Dip=58, Slip=22; NP2: Strike=113, Dip=71, Slip=146.
19	06	06	49.9?	27.93	N	56.90	E	33	N			1.2	9	SOUTHERN IRAN
19	07	41	07.7	38.099	N	142.624	E	33	D	4.7		0.9	76	NEAR EAST COAST OF HONSHU, JAPAN
19	08	27	47.7	51.636	N	16.359	E	5	G			0.8	15	POLAND. ML 3.7 (GRF), 3.5 (VIE).
19	08	32	28.9	32.856	N	94.229	E	33	N	4.4		0.8	38	XIZANG
19	08	39	34.4&	16.139	N	119.645	E	33	N			0.8	8	LUZON, PHILIPPINE ISLANDS
19	08	40	28.0*	51.189	N	15.783	E	5	G			1.0	10	POLAND. ML 3.6 (VIE), 3.6 (GRF).
19	08	51	19.8?	27.87	N	56.93	E	33	N	4.1		0.7	9	SOUTHERN IRAN
19	08	56	55.3	32.930	N	135.656	E	33	N	4.3		0.8	24	SOUTHEAST OF SHIKOKU, JAPAN
19	09	34	35.8&	64.930	N	147.585	W	12					1	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC). Felt at Fairbanks and North Pole.
19	09	53	54.7?	13.26	N	91.55	W	33	N	3.9		1.1	11	NEAR COAST OF GUATEMALA
19	10	10	45.5	27.984	N	56.819	E	33	N	4.5	3.7	0.7	58	SOUTHERN IRAN
19	12	04	47.0?	50.43	N	147.96	E	10	G	3.3		1.5	6	SEA OF OKHOTSK
19	12	15	07.8*	7.642	S	69.001	E	10	G	4.5		0.4	15	CHAGOS ARCHIPELAGO REGION
19	12	22	27.8*	51.149	N	15.837	E	5	G			1.4	6	POLAND. MG 2.2 (WAR).
19	12	44	52.5&	36.062	N	120.084	W	10					10	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
19	14	13	59.1*	58.504	S	143.739	W	10	G	5.0	5.2	1.2	33	PACIFIC-ANTARCTIC RIDGE. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time

													14:14:02.5; Lat 56.16 S; Lon 143.34 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.13, Plg=11, Azm=160; (N) Val=0.43, Plg=78, Azm=358; (P) Val=-2.56, Plg=4, Azm=251; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=296, Dip=80, Slip=5; NP2: Strike=205, Dip=85, Slip=169.
19	14	36	41.4&	59.826	N	153.701	W	134		2.9		53	SOUTHERN ALASKA. <AEIC>.
19	14	46	58.6*	22.576	S	12.477	W	10	G	4.3	1.4	13	SOUTHERN MID-ATLANTIC RIDGE
19	15	10	26.2*	32.496	S	179.843	E	300	G	4.3	1.2	26	SOUTH OF KERMADEC ISLANDS
19	15	26	33.4	78.445	N	125.821	E	10	G	5.7 5.0	0.8	363	EAST OF SEVERNAYA ZEMLYA, RUSSIA. Mw 5.5 (GS). Me 6.2 (GS). Broadband Source Parameters (GS): Dep 12; NP1: Strike=285, Dip=60, Slip=180; NP2: Strike=195, Dip=90, Slip=-30; Radiated energy 4.0*10**13 Nm. Moment Tensor (GS): Dep 14; Principal axes (scale 10**17 Nm): (T) Val=2.21, Plg=43, Azm=271; (N) Val=-0.10, Plg=2, Azm=3; (P) Val=-2.11, Plg=47, Azm=95; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=311, Dip=3, Slip=-142; NP2: Strike=183, Dip=88, Slip=-88.
19	15	41	52.4*	18.385	N	67.305	W	33	N		1.3	8	MONA PASSAGE. MD 3.5 (MPR). Felt (III) in southwestern Puerto Rico.
19	16	08	18.7	64.342	N	17.751	W	10	G	4.3 3.9	1.0	36	ICELAND
19	16	23	38.1	44.569	N	7.329	E	10	G		0.8	38	NORTHERN ITALY. ML 2.6 (GEN), 2.4 (LDG), 2.3 (STR).
19	17	22	32.9*	8.143	S	119.964	E	200	G	4.6	1.2	18	FLORES REGION, INDONESIA
19	17	36	24.0?	30.50	N	56.67	E	33	N		1.1	8	NORTHERN IRAN
19	17	38	56.6*	5.503	S	129.774	E	200	G	4.5	1.1	10	BANDA SEA
19	17	43	49.8	22.343	S	68.511	W	116	D	4.7	1.0	52	NORTHERN CHILE
19	20	26	16.4%	37.192	N	3.728	W	10	G		1.1	6	SPAIN. mbLg 2.1 (MDD).
19	21	00	41.3*	43.124	N	29.159	E	10	G	3.6	1.2	20	BLACK SEA
19	21	38	36.6?	22.40	S	168.68	E	33	N	4.1	1.2	13	NEW CALEDONIA
19	21	49	54.6?	5.91	S	148.73	E	100	G	4.3	1.6	9	NEW BRITAIN REGION, P.N.G.
19	22	31	37.3	27.943	N	56.869	E	22	D	4.8 4.0	0.9	52	SOUTHERN IRAN
19	22	33	29.0%	44.465	N	6.860	E	5	G		0.5	8	FRANCE. ML 1.9 (GEN).
19	23	03	02.1?	16.50	S	173.58	W	33	N	4.0	0.7	12	TONGA ISLANDS
19	23	16	53.6%	36.266	N	139.415	E	33	N		0.5	5	EASTERN HONSHU, JAPAN
20	00	17	34.4	44.351	N	7.288	E	10	G		0.6	14	NORTHERN ITALY. ML 2.0 (GEN), 1.8 (LDG).
20	00	36	01.5&	40.338	N	124.640	W	23				3	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.7 (GM).
20	01	38	11.9*	9.469	N	126.277	E	100	G	4.4	1.3	19	MINDANAO, PHILIPPINE ISLANDS
20	05	04	09.8	35.192	N	140.566	E	33	N	4.2	1.2	13	NEAR EAST COAST OF HONSHU, JAPAN
20	05	06	22.7&	61.467	N	147.482	W	20		3.1		26	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.8 (PMR).
20	05	08	28.7*	24.638	S	179.635	E	500	G	4.8	1.0	46	SOUTH OF FIJI ISLANDS
20	05	50	31.5	31.616	N	141.629	E	33	N	4.8 4.5	0.9	74	SOUTH OF HONSHU, JAPAN
20	06	15	24.9*	45.125	N	149.764	E	33	N	4.2	0.7	18	KURIL ISLANDS
20	06	38	40.0&	38.835	N	122.877	W	2				9	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.9 (GS).
20	06	55	15.5%	37.048	N	2.680	W	10	G		0.7	7	SPAIN. mbLg 2.2 (MDD).
20	07	27	26.3?	0.42	S	123.97	E	100	G	3.7	1.2	8	MINAHASSA PENINSULA, SULAWESI
20	08	33	27.2?	31.65	S	70.17	W	140	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
20	11	40	00.7%	44.642	N	7.241	E	10	G		0.2	9	NORTHERN ITALY. ML 1.9 (GEN).
20	12	18	45.5*	51.614	N	176.702	W	64	*	4.1	1.0	22	ANDREANOF ISLANDS, ALEUTIAN IS.
20	12	27	08.9*	24.956	N	92.251	E	33	N		1.0	12	INDIA-BANGLADESH BORDER REGION
20	13	11	43.3	44.737	N	6.619	E	5	G		0.7	16	FRANCE. ML 2.2 (GEN), 1.9 (LDG).
20	13	17	58.2*	6.064	S	131.008	E	33	N	4.2	1.5	9	TANIMBAR ISLANDS REG., INDONESIA
20	13	20	32.3*	0.048	N	16.608	W	10	G	4.6 3.9	1.3	23	NORTH OF ASCENSION ISLAND
20	13	44	24.9	55.296	N	162.367	E	31	D	4.1	0.8	29	NEAR EAST COAST OF KAMCHATKA
20	14	12	21.2*	49.437	N	129.427	W	10	G	3.6	0.9	7	VANCOUVER ISLAND REGION
20	14	24	45.0*	11.805	S	119.865	E	33	N	3.5	1.2	10	SOUTH OF SUMBA, INDONESIA
20	14	43	16.5&	59.946	N	153.129	W	107				22	SOUTHERN ALASKA. <AEIC>.
20	14	57	09.4%	13.732	S	34.811	E	33	N		0.6	8	MALAWI
20	15	49	11.0?	32.13	S	71.16	W	80	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
20	16	20	43.5*	20.202	S	178.220	W	500	G	4.2	1.0	31	FIJI ISLANDS REGION
20	17	12	46.4*	15.475	S	167.043	E	33	N	4.1	1.0	32	VANUATU ISLANDS
20	18	45	21.9	19.732	S	177.680	W	400	G	5.1	1.3	91	FIJI ISLANDS REGION
20	19	53	15.5	34.040	S	69.984	W	105	D	5.3	0.9	125	CHILE-ARGENTINA BORDER REGION. Mw 5.6 (HRV). MD 5.5 (SAN). Centroid, Moment Tensor (HRV): Centroid origin time 19:53:22.3; Lat 33.85 S; Lon 70.39 W; Dep 115.5; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.96, Plg=32, Azm=93; (N) Val=-0.30, Plg=1, Azm=184; (P) Val=-2.66, Plg=58, Azm=275; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=181, Dip=13, Slip=-93; NP2: Strike=4, Dip=77, Slip=-89.
20	19	53	27.0&	58.557	N	155.730	W	155		2.7		13	ALASKA PENINSULA. <AEIC>.
20	20	05	13.1%	34.056	S	70.445	W	110	G		0.1	10	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
20	20	11	10.1%	19.034	N	99.126	W	33	N		1.5	6	CENTRAL MEXICO
20	20	24	22.8%	39.672	N	77.019	E	33	N		0.5	8	SOUTHERN XINJIANG, CHINA
20	20	35	18.3*	52.955	N	35.190	W	10	G	4.2	1.0	9	NORTH ATLANTIC OCEAN
20	21	08	07.7*	36.811	N	42.960	E	33	N	3.9	1.2	17	IRAQ
20	21	42	07.0*	19.236	S	177.490	W	500	G	4.5	1.1	27	FIJI ISLANDS REGION
20	22	27	50.7*	14.182	N	120.953	E	100	G	4.0	1.4	11	LUZON, PHILIPPINE ISLANDS
20	22	29	38.3	16.043	N	93.836	W	84	D	4.6	1.0	77	CHIAPAS, MEXICO
20	23	02	20.3	51.971	N	174.764	W	33	N	4.0	1.0	27	ANDREANOF ISLANDS, ALEUTIAN IS.
20	23	11	19.0&	35.618	N	116.901	W	0				19	CENTRAL CALIFORNIA. <PAS-P>. MD 3.1 (PAS). ML 3.1 (GS).
20	23	11	45.4&	38.074	N	118.726	W	10				5	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK).
20	23	54	51.1?	35.15	S	71.21	W	100	G		0.3	10	CENTRAL CHILE. MD 3.3 (SAN).
21	00	34	16.7%	34.023	S	70.483	W	100	G		0.1	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
21	01	09	35.5&	60.866	N	150.952	W	13				26	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
21	01	16	02.8&	61.541	N	151.998	W	4				51	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
21	01	26	43.2%	48.214	N	2.862	W	10	G		0.4	5	FRANCE. ML 2.2 (LDG).
21	02	15	14.8?	0.15	N	16.64	W	10	G	4.2	1.0	7	NORTH OF ASCENSION ISLAND
21	02	42	45.2	0.149	S	124.073	E	50	G	5.4 4.8	1.0	121	SOUTHERN MOLUCCA SEA. Mw 5.5 (GS), 5.5 (HRV). Moment Tensor (GS): Dep 40; Principal axes (scale 10**17 Nm): (T) Val=2.06, Plg=75, Azm=246; (N) Val=0.31, Plg=2, Azm=342; (P) Val=-2.36, Plg=15, Azm=72; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=165, Dip=30, Slip=93; NP2:

Strike=341, Dip=60, Slip=88.
Centroid, Moment Tensor (HRV): Centroid origin time 02:42:53.8; Lat 0.04 S; Lon 124.71 E; Dep 55.0; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.15, Plg=68, Azm=245; (N) Val=0.32, Plg=16, Azm=23; (P) Val=-2.47, Plg=14, Azm=117; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=229, Dip=35, Slip=120; NP2: Strike=14, Dip=61, Slip=71.

21	02	50	26.6&	61.150	N	152.154	W	119				25	SOUTHERN ALASKA. <AEIC>.
21	03	03	31.0	19.244	N	145.593	E	129	*	4.5	0.8	46	MARIANA ISLANDS
21	03	21	48.7&	37.019	N	3.843	W	10	G		0.8	17	SPAIN. mbLg 3.1 (MDD).
21	03	43	41.3	37.239	N	28.563	E	10	G		0.8	15	TURKEY. MD 3.7 (ISK). Felt at Mugla.
21	04	08	28.7?	15.70	N	100.13	W	33	N	4.0	1.3	16	OFF COAST OF GUERRERO, MEXICO
21	04	45	25.1	51.958	N	170.874	W	33	N	4.6 4.4	0.6	63	FOX ISLANDS, ALEUTIAN ISLANDS
21	05	12	14.1?	5.76	S	147.48	E	128	*	4.2	1.2	6	EASTERN NEW GUINEA REG., P.N.G.
21	05	41	58.9?	25.38	S	179.83	W	500	G	4.2	0.9	10	SOUTH OF FIJI ISLANDS
21	06	10	48.8&	62.553	N	151.235	W	89				32	CENTRAL ALASKA. <AEIC>.
21	06	15	25.2?	54.13	N	156.48	E	300	G	3.6	0.7	10	KAMCHATKA
21	06	32	29.7*	4.952	S	68.484	E	10	G	4.7 4.6	0.9	17	CHAGOS ARCHIPELAGO REGION
21	07	05	23.1?	29.64	N	67.80	E	33	N		0.2	5	PAKISTAN
21	07	16	42.5	1.750	S	100.048	E	33	N	4.8	0.8	36	SOUTHERN SUMATERA, INDONESIA
21	07	34	13.0&	61.819	N	148.904	W	17				56	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.5 (PMR). Felt (II) at Anchorage.
21	07	38	47.0&	34.975	N	116.812	W	1				27	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.6 (PAS). ML 3.4 (GS).
21	07	45	13.9?	50.94	N	179.03	E	33	N	3.9	0.9	7	RAT ISLANDS, ALEUTIAN ISLANDS
21	08	54	26.8?	5.52	S	153.67	E	33	N	4.3	0.7	7	NEW IRELAND REGION, P.N.G.
21	09	16	20.8	37.021	N	71.843	E	154	D	4.8	0.8	111	AFGHANISTAN-TAJIKISTAN BORD REG.
21	09	26	51.9?	20.32	S	178.14	W	500	G	4.0	0.3	8	FIJI ISLANDS REGION
21	10	15	44.1*	25.796	N	67.802	E	33	N	3.7	0.5	7	PAKISTAN
21	10	27	48.5	13.277	N	145.713	E	33	N	4.3	1.2	29	MARIANA ISLANDS
21	10	42	08.3?	3.13	N	78.53	W	33	N	3.8	1.2	6	SOUTH OF PANAMA
21	11	38	00.9*	41.448	N	7.737	E	10	G		0.6	33	WESTERN MEDITERRANEAN SEA. ML 3.8 (STR), 3.6 (LDG).
21	11	47	24.0?	6.51	S	150.84	E	33	N	3.9	0.9	8	NEW BRITAIN REGION, P.N.G.
21	12	02	26.4	12.584	S	166.676	E	33	N	6.4 7.9	0.9	299	SANTA CRUZ ISLANDS. Mw 7.7 (GS), 7.7 (HRV). Me 7.7 (GS). Ms 7.9 (BRK). Local tsunami generated with wave heights up to 3 meters along the coasts of the Solomon and Vanuatu Islands, causing damage to some houses. Minor tsunami recorded on Funafuti, Tuvalu and at Suva, Fiji. Felt at Honiara, Solomon Islands and on Santo, Vanuatu Islands.

Broadband Source Parameters (GS): Dep 28; NP1: Strike=180, Dip=75, Slip=120; NP2: Strike=294, Dip=33, Slip=28; Radiated energy 8.3*10**15 Nm. Complex earthquake with at least one large event occurring about 26 seconds after small initial onset. Depth and focal mechanism based on largest event.
Moment Tensor (GS): Dep 28; Principal axes (scale 10**20 Nm): (T) Val=3.65, Plg=64, Azm=138; (N) Val=0.12, Plg=12, Azm=22; (P) Val=-3.77, Plg=22, Azm=287; Best double couple: Mo=3.7*10**20 Nm; NP1: Strike=355, Dip=25, Slip=61; NP2: Strike=207, Dip=68, Slip=103.
Centroid, Moment Tensor (HRV): Centroid origin time 12:03:08.7; Lat 13.21 S; Lon 166.20 E; Dep 51.2; Half-duration 14.4 sec; Principal axes (scale 10**20 Nm): (T) Val=4.31, Plg=57, Azm=131; (N) Val=0.16, Plg=29, Azm=344; (P) Val=-4.46, Plg=15, Azm=245; Best double couple: Mo=4.4*10**20 Nm; NP1: Strike=301, Dip=39, Slip=40; NP2: Strike=178, Dip=66, Slip=122.
Scalar Moment (PPT): Mo=7.0*10**20 Nm.

21	12	06	34.3*	12.881	S	166.464	E	33	N	6.1	0.9	32	SANTA CRUZ ISLANDS
21	12	11	27.8	13.500	S	166.541	E	33	N	6.2	1.1	194	VANUATU ISLANDS
21	12	14	40.2?	13.45	S	166.63	E	33	N	5.3	0.6	23	VANUATU ISLANDS
21	12	15	56.8?	13.41	S	166.34	E	33	N	6.0	1.3	22	VANUATU ISLANDS
21	12	20	50.2?	13.60	S	166.83	E	33	N	5.7	1.0	25	VANUATU ISLANDS
21	12	23	46.2*	13.673	S	166.455	E	33	N	5.5	0.9	21	VANUATU ISLANDS
21	12	27	57.9?	13.51	S	166.06	E	33	N		1.0	10	VANUATU ISLANDS
21	12	28	28.2	13.541	S	166.426	E	33	N	5.5	1.0	104	VANUATU ISLANDS
21	12	33	51.3*	36.320	N	141.615	E	33	N	4.1	0.6	7	NEAR EAST COAST OF HONSHU, JAPAN
21	12	34	36.2?	13.31	S	166.23	E	33	N	5.2	1.1	9	VANUATU ISLANDS
21	12	39	10.1	13.576	S	166.368	E	33	N	5.3	1.1	98	VANUATU ISLANDS
21	12	41	47.5?	13.45	S	167.13	E	33	N		0.8	11	VANUATU ISLANDS
21	12	47	13.7?	13.34	S	166.42	E	33	N		1.4	9	VANUATU ISLANDS
21	12	48	37.9	13.137	S	166.258	E	33	N	5.3	1.1	61	VANUATU ISLANDS
21	12	51	29.4	13.218	S	166.435	E	33	N	5.1	0.9	40	VANUATU ISLANDS
21	13	00	24.1	13.382	S	166.519	E	33	N	4.7	0.8	47	VANUATU ISLANDS
21	13	02	39.6?	13.55	S	166.56	E	33	N		1.2	15	VANUATU ISLANDS
21	13	10	57.8	13.228	S	166.446	E	33	N	5.4	1.0	76	VANUATU ISLANDS
21	13	24	11.0	13.583	S	166.554	E	33	N	5.0	0.9	88	VANUATU ISLANDS
21	13	27	52.1	13.393	S	166.677	E	33	N	5.1	0.9	109	VANUATU ISLANDS
21	13	37	05.8*	17.820	N	120.224	E	33	N	4.6	0.8	12	LUZON, PHILIPPINE ISLANDS
21	13	40	10.6*	13.644	S	166.358	E	33	N	4.4	1.0	35	VANUATU ISLANDS
21	13	42	10.7?	13.10	S	165.93	E	33	N	4.9	1.3	11	VANUATU ISLANDS
21	13	45	13.1*	13.452	S	166.461	E	33	N	5.0	1.0	21	VANUATU ISLANDS
21	13	55	06.1*	13.213	S	165.505	E	33	N	4.0	1.4	11	VANUATU ISLANDS
21	13	56	45.0*	13.248	S	166.221	E	33	N	4.9	1.2	32	VANUATU ISLANDS
21	14	01	24.3	7.382	S	125.715	E	432	D	5.9	0.9	132	BANDA SEA
21	14	22	15.6	23.433	N	94.948	E	120	*	4.6	0.7	43	MYANMAR-INDIA BORDER REGION
21	14	31	50.9	13.520	S	166.429	E	33	N	5.1	0.9	79	VANUATU ISLANDS
21	14	47	36.3*	13.585	S	166.242	E	33	N	4.7	0.9	25	VANUATU ISLANDS
21	14	50	07.8*	13.262	S	166.346	E	33	N		0.8	13	VANUATU ISLANDS
21	14	51	29.5*	13.059	S	166.494	E	33	N	4.6	0.9	17	VANUATU ISLANDS
21	14	56	32.6?	13.62	S	166.37	E	33	N		1.5	5	VANUATU ISLANDS
21	14	59	30.5	13.545	S	166.551	E	33	N	4.6	0.8	43	VANUATU ISLANDS
21	15	11	49.1&	60.665	N	150.650	W	11		3.2		75	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.5 (AEIC), 3.7 (PMR).

Felt at Anchorage.

21	15	13	29.4	13.435	S	166.592	E	33	N	4.7	0.9	43	VANUATU ISLANDS
21	15	17	33.8	13.483	S	166.526	E	33	N	5.1	1.0	87	VANUATU ISLANDS
21	15	19	55.0?	13.10	S	166.51	E	33	N	4.7	0.8	15	VANUATU ISLANDS
21	15	25	23.8	24.280	S	67.641	W	136	D	4.9	0.9	37	CHILE-ARGENTINA BORDER REGION
21	15	26	16.0	52.599	N	172.489	E	33	N	4.9	0.9	111	NEAR ISLANDS, ALEUTIAN ISLANDS. Felt on Shemya.
21	15	33	42.7&	61.560	N	146.483	W	30				58	SOUTHERN ALASKA. <AEIC>. ML 4.0 (AEIC), 4.3 (PMR). Felt at Anchorage and Valdez.
21	15	41	09.7*	13.594	S	166.840	E	33	N	4.1	0.8	16	VANUATU ISLANDS
21	15	47	56.6	29.781	N	68.211	E	33	N	4.7	1.1	53	PAKISTAN. Felt at Quetta.
21	15	48	57.7*	13.492	S	166.201	E	33	N	4.5	1.1	17	VANUATU ISLANDS
21	15	52	43.4*	46.348	N	12.867	E	10	G		0.9	7	NORTHERN ITALY. ML 2.7 (VIE).
21	15	55	42.5*	13.305	S	166.287	E	33	N	4.7	0.9	28	VANUATU ISLANDS
21	15	55	58.3&	34.291	N	118.695	W	12				22	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.8 (PAS). Felt at Simi Valley.
21	16	10	11.0?	13.24	S	165.88	E	33	N	4.4	1.1	11	VANUATU ISLANDS
21	16	26	24.0*	13.377	S	166.422	E	33	N	4.4	1.1	36	VANUATU ISLANDS
21	16	34	35.5?	13.04	S	165.62	E	33	N	4.5	1.0	15	VANUATU ISLANDS
21	16	37	14.7	51.661	N	16.315	E	5	G		1.1	11	POLAND. ML 3.4 (VIE).
21	16	40	00.0?	13.24	S	165.98	E	33	N	4.5	1.1	8	VANUATU ISLANDS
21	16	43	20.4	13.210	S	166.401	E	33	N	5.0	1.0	46	VANUATU ISLANDS
21	17	08	10.4?	13.07	S	166.02	E	33	N	4.5	1.3	12	VANUATU ISLANDS
21	17	12	44.9*	27.906	N	56.860	E	20	D	4.7	0.7	14	SOUTHERN IRAN
21	17	24	38.6*	13.324	S	166.322	E	33	N	4.4	1.3	13	VANUATU ISLANDS
21	17	53	58.1	21.345	S	179.219	W	616	D	5.0	0.9	140	FIJI ISLANDS REGION
21	18	06	34.4?	13.26	S	166.04	E	33	N	4.7	1.0	11	VANUATU ISLANDS
21	18	11	05.2?	13.20	S	166.28	E	33	N	4.3	1.2	14	VANUATU ISLANDS
21	18	20	13.3?	12.73	S	165.83	E	33	N	4.2	0.7	8	SANTA CRUZ ISLANDS
21	18	44	16.8?	22.51	S	170.09	E	33	N		1.1	7	LOYALTY ISLANDS REGION
21	19	37	58.2&	34.976	N	116.816	W	3				27	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.0 (PAS).
21	19	38	36.6*	13.343	S	166.382	E	33	N	4.4	1.1	29	VANUATU ISLANDS
21	19	44	21.6	51.597	N	16.258	E	5	G	3.4	0.6	22	POLAND. ML 3.9 (GRF), 3.7 (VIE).
21	19	55	18.8?	14.62	S	167.07	E	33	N	4.4	0.8	6	VANUATU ISLANDS
21	20	03	07.0	13.342	S	166.455	E	33	N	5.1 5.1	1.0	51	VANUATU ISLANDS
21	20	17	36.3&	61.406	N	152.024	W	13				48	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
21	20	18	21.2	13.193	S	166.498	E	33	N	4.7	0.9	44	VANUATU ISLANDS
21	20	33	00.6?	13.38	S	166.75	E	33	N	4.3	1.2	14	VANUATU ISLANDS
21	20	35	04.8	13.652	S	166.403	E	33	N	5.2 5.0	0.9	77	VANUATU ISLANDS
21	20	52	18.3?	13.47	S	165.81	E	33	N		1.0	7	VANUATU ISLANDS
21	20	56	34.5*	23.708	S	67.370	W	200	G		1.0	13	CHILE-ARGENTINA BORDER REGION
21	20	57	20.0?	13.67	S	166.41	E	33	N	4.0	1.1	9	VANUATU ISLANDS
21	21	02	14.8*	36.292	S	96.895	W	10	G	4.6	1.1	22	WEST CHILE RISE
21	21	16	20.1?	12.47	S	165.75	E	33	N		1.0	8	SANTA CRUZ ISLANDS
21	21	20	20.6&	36.581	N	121.173	W	6				6	CENTRAL CALIFORNIA. <GM-P>. MD 2.5 (GM).
21	21	23	53.8	13.158	S	166.522	E	33	N	5.2 5.5	0.9	121	VANUATU ISLANDS
21	21	57	27.6?	13.82	S	166.34	E	33	N		1.0	7	VANUATU ISLANDS
21	22	04	39.2?	30.19	N	68.51	E	76	?		1.4	11	PAKISTAN
21	22	41	23.7*	48.925	S	75.781	W	33	N	5.1 5.2	1.2	27	SOUTHERN CHILE
21	23	06	51.6*	52.594	N	153.063	E	500	G	3.1	1.0	11	NORTHWEST OF KURIL ISLANDS
21	23	12	49.6	13.223	S	166.310	E	33	N	4.7	0.8	27	VANUATU ISLANDS
21	23	13	03.9?	13.72	N	92.09	W	33	N	3.4	0.7	8	OFF COAST OF CHIAPAS, MEXICO
22	00	07	31.2?	20.41	S	178.65	W	550	G	4.2	0.9	12	FIJI ISLANDS REGION
22	00	14	15.0%	17.374	N	100.160	W	33	N		1.4	11	GUERRERO, MEXICO
22	00	44	32.4?	30.40	N	113.67	W	10	G		1.5	11	GULF OF CALIFORNIA
22	00	53	46.2?	13.05	S	166.31	E	33	N	4.4	0.9	16	VANUATU ISLANDS
22	01	03	23.8?	6.82	S	122.44	E	33	N	3.7	1.1	7	FLORES SEA
22	01	15	36.4&	61.485	N	150.455	W	48				105	SOUTHERN ALASKA. <AEIC>. ML 4.1 (AEIC), 4.2 (PMR). Felt at Anchorage and Willow.
22	01	18	27.4?	35.85	S	71.68	W	150	G		0.3	10	CENTRAL CHILE. MD 3.5 (SAN).
22	01	21	24.4	13.516	S	166.175	E	33	N	5.1 4.9	1.1	68	VANUATU ISLANDS
22	01	55	25.9?	17.16	S	172.04	W	33	N	4.3	0.4	10	TONGA ISLANDS REGION
22	02	05	00.6?	45.58	N	151.27	E	33	N	3.4	1.0	6	KURIL ISLANDS
22	02	44	45.6?	35.57	N	71.65	E	33	N		1.4	6	PAKISTAN
22	02	49	59.3?	14.97	N	142.95	E	33	N		0.7	7	MARIANA ISLANDS REGION
22	03	00	10.3?	13.24	S	166.17	E	33	N	4.6	1.4	7	VANUATU ISLANDS
22	03	12	03.5	41.421	N	14.644	E	21		3.7	0.9	45	SOUTHERN ITALY. ML 3.7 (LDG), 3.6 (VIE). Felt throughout Molise. Also felt in parts of Benevento Province.
22	03	39	12.1*	7.297	S	155.011	E	33	N	4.2	1.0	12	SOLOMON ISLANDS
22	03	49	01.1&	63.790	N	149.640	W	8				8	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.9 (PMR).
22	03	54	33.2?	14.21	S	166.69	E	33	N	4.3	1.3	5	VANUATU ISLANDS
22	05	33	58.6*	0.111	S	125.255	E	33	N	4.2	1.1	15	SOUTHERN MOLUCCA SEA
22	05	55	59.3	3.370	S	102.144	E	108	D	5.6	1.0	226	SOUTHERN SUMATERA, INDONESIA. Mw 5.9 (GS), 5.9 (HRV). Felt at Bengkulu. Moment Tensor (GS): Dep 97; Principal axes (scale 10**17 Nm): (T) Val=7.71, Plg=43, Azm=51; (N) Val=0.08, Plg=39, Azm=271; (P) Val=-7.79, Plg=22, Azm=162; Best double couple: Mo=7.8*10**17 Nm; NP1: Strike=207, Dip=42, Slip=20; NP2: Strike=102, Dip=77, Slip=130. Centroid, Moment Tensor (HRV): Centroid origin time 05:56:03.9; Lat 3.44 S; Lon 101.87 E; Dep 107.9; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=7.25, Plg=42, Azm=46; (N) Val=-0.16, Plg=34, Azm=278; (P) Val=-7.09, Plg=29, Azm=167; Best double couple: Mo=7.2*10**17 Nm; NP1: Strike=205, Dip=35, Slip=13; NP2: Strike=104, Dip=82, Slip=124.
22	06	12	31.2	27.938	S	67.154	W	30	D	4.8	0.9	35	CATAMARCA PROVINCE, ARGENTINA
22	06	19	24.0	42.201	N	141.842	E	96		4.7	0.8	56	HOKKAIDO, JAPAN REGION
22	06	30	04.5?	34.57	S	70.50	W	5	G		0.7	9	CHILE-ARGENTINA BORDER REGION. MD 4.2 (SAN).
22	06	39	43.7?	12.71	S	165.78	E	33	N	4.6	1.1	11	SANTA CRUZ ISLANDS
22	07	18	33.0%	34.604	S	70.478	W	5	G		0.5	10	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
22	07	20	51.3?	13.28	S	166.33	E	33	N	4.4	1.5	9	VANUATU ISLANDS
22	07	25	58.9?	12.44	S	165.75	E	33	N	4.2	1.4	11	SANTA CRUZ ISLANDS
22	07	26	50.6?	14.67	S	76.83	W	33	N		0.6	5	NEAR COAST OF PERU

22	07	33	38.0%	32.716	S	71.676	W	20	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
22	07	42	32.6*	13.306	S	165.892	E	33	N	4.2	0.9	26	VANUATU ISLANDS
22	07	47	45.5?	13.24	S	166.45	E	33	N	4.2	1.4	12	VANUATU ISLANDS
22	08	02	11.0*	13.469	S	166.497	E	33	N	4.7	0.9	36	VANUATU ISLANDS
22	08	29	31.9*	33.748	S	57.021	E	10	G	4.6	0.9	17	SOUTHWEST INDIAN RIDGE
22	08	41	00.2*	12.900	S	166.498	E	33	N	4.6	1.1	19	SANTA CRUZ ISLANDS
22	08	47	44.2%	37.010	N	4.175	W	10	G		0.6	10	SPAIN. mbLg 2.8 (MDD).
22	09	00	32.0*	28.652	N	102.096	E	33	N	4.6	1.2	18	SICHUAN, CHINA
22	09	01	57.5*	13.318	S	166.342	E	33	N	4.4	1.0	21	VANUATU ISLANDS
22	09	07	35.1?	13.62	S	165.86	E	33	N	4.4	0.9	12	VANUATU ISLANDS
22	09	09	17.6	13.437	N	146.374	E	33	N	4.3	1.0	25	SOUTH OF MARIANA ISLANDS
22	09	17	27.3*	1.779	N	126.436	E	33	N	4.5	1.0	16	NORTHERN MOLUCCA SEA
22	09	29	02.9*	17.583	N	70.222	W	33	N	4.1	0.8	13	DOMINICAN REPUBLIC REGION
22	09	31	23.2	11.112	N	60.892	W	5	G	6.0 6.5	0.9	330	WINDWARD ISLANDS. Mw 6.7 (GS), 6.7 (HRV). Me 6.7 (GS). Ms 6.5 (BRK). MD 5.9 (TRN). Two people injured, three houses destroyed and extensive damage in the western part of Tobago. Damage estimated at more than 25 million U.S. dollars. One of the largest known earthquakes to occur on or near Trinidad and Tobago. Seismicity in this possible triple junction zone results from the highly oblique, right-lateral collision between the Caribbean and South American plates and subduction of either the North or South American plate beneath the Caribbean plate. Note the Windward Islands magnitude 6.2 (Mw) event of April 2, located about 50 km to the north.
													Broadband Source Parameters (GS): Dep 18; NP1: Strike=145, Dip=75, Slip=-20; NP2: Strike=240, Dip=71, Slip=-164; Radiated energy 2.2*10**14 Nm. Two events about 3 seconds apart. Depth based on first event.
													Moment Tensor (GS): Dep 4; Principal axes (scale 10**19 Nm): (T) Val=1.46, Plg=39, Azm=194; (N) Val=-0.05, Plg=16, Azm=298; (P) Val=-1.41, Plg=47, Azm=46; Best double couple: Mo=1.4*10**19 Nm; NP1: Strike=223, Dip=17, Slip=-166; NP2: Strike=119, Dip=86, Slip=-73.
													Centroid, Moment Tensor (HRV): Centroid origin time 09:31:32.7; Lat 11.28 N; Lon 61.05 W; Dep 15.0 Fix; Half-duration 5.2 sec; Principal axes (scale 10**19 Nm): (T) Val=1.10, Plg=16, Azm=197; (N) Val=0.07, Plg=33, Azm=298; (P) Val=-1.16, Plg=52, Azm=86; Best double couple: Mo=1.1*10**19 Nm; NP1: Strike=250, Dip=41, Slip=-146; NP2: Strike=133, Dip=69, Slip=-54.
													Scalar Moment (PPT): Mo=1.1*10**19 Nm.
22	09	49	30.5?	11.28	N	60.97	W	5	G	4.5	1.0	14	WINDWARD ISLANDS
22	10	11	44.7	11.029	N	60.957	W	5	G	5.6	0.9	167	WINDWARD ISLANDS. Felt on Trinidad and Tobago.
22	10	18	53.4	11.057	N	61.169	W	5	G	5.0	0.9	53	WINDWARD ISLANDS
22	10	22	43.3	11.049	N	60.840	W	5	G	5.0	0.7	44	WINDWARD ISLANDS
22	10	30	12.8?	10.94	N	61.06	W	5	G		1.5	8	TRINIDAD
22	10	45	44.1?	13.99	S	166.84	E	33	N		0.5	7	VANUATU ISLANDS
22	10	49	26.4?	10.88	N	61.15	W	5	G		0.7	13	TRINIDAD
22	10	55	14.4*	36.613	N	5.333	E	10	G	3.4	0.8	14	NORTHERN ALGERIA
22	10	57	40.4*	13.345	S	166.477	E	33	N		0.8	20	VANUATU ISLANDS
22	11	00	22.7?	10.97	N	61.51	W	5	G	4.3	1.4	12	TRINIDAD
22	11	18	08.0&	37.427	N	121.771	W	10				25	CENTRAL CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.3 (BRK). Felt at Hayward.
22	11	28	29.3*	6.493	S	127.979	E	300	G	4.3	1.1	6	BANDA SEA
22	11	43	24.6?	39.68	N	76.76	E	33	N	3.6	1.2	7	SOUTHERN XINJIANG, CHINA
22	11	43	55.3?	23.11	N	105.06	E	33	N	3.6	1.5	7	YUNNAN, CHINA
22	11	44	12.2?	11.08	N	61.02	W	5	G	3.6	0.9	6	WINDWARD ISLANDS
22	11	46	52.5	11.091	N	60.710	W	5	G	4.8	0.9	46	WINDWARD ISLANDS
22	11	52	47.2?	11.47	N	60.88	W	5	G	3.9	0.6	5	WINDWARD ISLANDS
22	12	16	40.8*	43.035	N	145.719	E	52	?	3.2	0.9	13	HOKKAIDO, JAPAN REGION
22	12	36	03.6?	22.58	N	122.08	E	33	N	3.5	0.2	5	TAIWAN REGION
22	12	43	20.7*	2.536	S	141.345	E	65	*	3.6	0.8	7	NEAR N COAST OF NEW GUINEA, PNG.
22	12	45	47.2*	11.167	N	61.243	W	5	G	4.6	1.0	46	WINDWARD ISLANDS
22	13	09	18.9*	12.878	S	166.231	E	33	N	4.4	0.9	22	SANTA CRUZ ISLANDS
22	13	18	15.1%	17.040	N	100.702	W	33	N		0.8	10	GUERRERO, MEXICO
22	13	19	46.0	6.026	S	150.724	E	64		5.0	0.8	41	NEW BRITAIN REGION, P.N.G.
22	13	25	59.8*	13.854	S	166.232	E	33	N	4.8	1.3	27	VANUATU ISLANDS
22	13	48	15.7?	13.71	S	166.60	E	33	N	4.4	1.3	10	VANUATU ISLANDS
22	13	57	45.7	13.790	S	166.353	E	33	N	4.9	1.0	48	VANUATU ISLANDS
22	13	58	12.3?	7.15	S	154.91	E	33	N	3.8	1.1	5	SOLOMON ISLANDS
22	14	09	12.4?	31.45	S	69.20	W	180	G		0.4	9	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
22	14	15	35.6*	39.636	N	77.056	E	16	D		1.2	14	SOUTHERN XINJIANG, CHINA
22	14	25	39.8?	17.28	S	178.70	W	500	G	3.8	0.2	10	FIJI ISLANDS REGION
22	14	30	54.3*	36.772	S	176.944	E	200	G	4.8	0.9	23	OFF E. COAST OF N. ISLAND, N.Z.
22	15	10	22.2*	14.221	S	167.007	E	33	N	4.3	0.7	7	VANUATU ISLANDS
22	15	28	18.2*	13.161	S	166.479	E	33	N	4.9	1.1	40	VANUATU ISLANDS
22	15	28	46.1&	37.692	N	121.629	W	16				8	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).
22	15	35	36.8*	3.423	S	149.430	E	33	N	4.1	1.4	8	BISMARCK SEA
22	15	42	10.1*	13.173	S	166.633	E	33	N	4.3	0.8	18	VANUATU ISLANDS
22	15	44	53.1*	13.322	S	166.284	E	33	N	4.6	1.0	19	VANUATU ISLANDS
22	16	18	38.4*	13.536	S	166.435	E	33	N	4.5	1.0	12	VANUATU ISLANDS
22	16	33	42.8?	13.61	S	166.20	E	33	N	4.2	1.3	6	VANUATU ISLANDS
22	16	46	53.7*	13.237	S	166.367	E	33	N	4.5	0.9	37	VANUATU ISLANDS
22	16	51	53.5	13.221	S	166.450	E	33	N	5.5 5.8	1.0	156	VANUATU ISLANDS. Mw 5.8 (GS), 5.8 (HRV). Ms 5.9 (BRK).
													Moment Tensor (GS): Dep 22; Principal axes (scale 10**17 Nm): (T) Val=5.74, Plg=42, Azm=72; (N) Val=-0.26, Plg=33, Azm=197; (P) Val=-5.48, Plg=30, Azm=310; Best double couple: Mo=5.6*10**17 Nm; NP1: Strike=94, Dip=34, Slip=169; NP2: Strike=193, Dip=84, Slip=56.
													Centroid, Moment Tensor (HRV): Centroid origin time 16:51:58.1; Lat 13.15 S; Lon 166.10 E; Dep 29.4; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T)

Val=5.47, Plg=61, Azm=87; (N) Val=1.28, Plg=1, Azm=178; (P) Val=-6.75, Plg=29, Azm=269; Best double couple: Mo=6.1*10**17 Nm; NP1: Strike=0, Dip=16, Slip=92; NP2: Strike=178, Dip=74, Slip=89.
Scalar Moment (PPT): Mo=1.0*10**18 Nm.

22	17	03	12.3*	13.731	S	166.443	E	33	N	4.5	1.3	11	VANUATU ISLANDS
22	17	15	23.6*	13.166	S	166.501	E	33	N	4.7	0.9	33	VANUATU ISLANDS
22	17	17	50.7?	32.68	S	70.03	W	120	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
22	17	37	38.5	13.440	S	166.198	E	33	N	5.0	0.9	56	VANUATU ISLANDS
22	17	39	38.0	28.378	N	52.896	E	33	N	4.8	0.9	94	SOUTHERN IRAN. Some houses damaged in the epicentral area.
22	17	51	36.2*	45.830	S	75.998	W	33	N	4.7	1.1	16	OFF COAST OF SOUTHERN CHILE
22	17	54	34.2*	13.737	S	166.410	E	33	N	4.2	1.1	20	VANUATU ISLANDS
22	18	01	30.9*	29.430	N	68.257	E	33	N	3.8	1.1	10	PAKISTAN
22	18	34	03.1?	10.59	N	61.18	W	5	G	4.0	0.7	16	TRINIDAD
22	18	40	02.1?	54.28	N	164.06	W	33	N		1.0	10	UNIMAK ISLAND REGION
22	18	55	21.0	28.933	N	129.879	E	82	D	4.6	1.2	47	RYUKYU ISLANDS
22	19	03	12.4?	11.99	N	62.02	W	5	G	4.2	0.9	8	WINDWARD ISLANDS
22	19	05	49.3?	11.03	N	61.03	W	5	G	4.2	0.8	7	WINDWARD ISLANDS
22	19	26	57.2?	13.43	S	165.90	E	33	N	4.4	1.2	11	VANUATU ISLANDS
22	20	04	50.9&	47.507	N	3.048	W	10	G		0.5	5	FRANCE. ML 2.6 (LDG).
22	20	21	48.1?	13.09	S	166.29	E	33	N	4.6	0.7	15	VANUATU ISLANDS
22	20	34	38.1*	13.851	S	166.398	E	33	N	4.8	1.1	23	VANUATU ISLANDS
22	21	18	48.7	9.246	S	124.467	E	33	N	4.3	1.2	18	TIMOR REGION, INDONESIA
22	21	27	34.2*	50.175	N	6.143	E	5	G		0.2	5	GERMANY. ML 1.7 (UCC), 1.5 (DBN).
22	21	28	04.3	13.554	S	166.460	E	33	N	4.7	0.9	60	VANUATU ISLANDS
22	21	58	06.5*	21.073	N	122.411	E	100	G		0.6	8	TAIWAN REGION
22	22	01	41.7	53.661	N	163.597	W	33	N	4.6 4.4	1.1	82	UNIMAK ISLAND REGION
22	22	05	05.1	13.591	S	166.615	E	33	N	5.1 4.7	1.0	79	VANUATU ISLANDS
22	22	25	43.1?	18.78	S	172.07	W	33	N	4.3	0.6	8	TONGA ISLANDS REGION
22	22	42	06.5?	14.00	N	88.52	W	33	N	3.8	1.8	5	EL SALVADOR
22	22	50	57.4	14.133	S	166.766	E	33	N	4.8 4.9	1.0	99	VANUATU ISLANDS
22	23	16	03.1*	51.342	N	176.636	W	33	N	3.2	1.1	10	ANDREANOF ISLANDS, ALEUTIAN IS.
22	23	19	06.8*	14.099	S	166.646	E	33	N		0.8	20	VANUATU ISLANDS
22	23	28	56.6*	13.289	S	166.316	E	33	N	4.3	0.8	30	VANUATU ISLANDS
22	23	48	25.7*	13.122	S	166.431	E	33	N	4.9	0.8	35	VANUATU ISLANDS
23	00	05	49.7	14.133	S	166.784	E	33	N	5.1 5.3	1.2	148	VANUATU ISLANDS. Mw 5.7 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 00:05:55.1; Lat 14.18 S; Lon 166.47 E; Dep 28.2; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=4.66, Plg=67, Azm=348; (N) Val=0.02, Plg=23, Azm=168; (P) Val=-4.68, Plg=0, Azm=78; Best double couple: Mo=4.7*10**17 Nm; NP1: Strike=147, Dip=49, Slip=59; NP2: Strike=10, Dip=50, Slip=121.

23	00	13	41.7	14.134	S	166.947	E	33	N	4.6	1.1	54	VANUATU ISLANDS
23	00	22	22.1*	14.089	S	166.770	E	33	N	4.5	1.0	49	VANUATU ISLANDS
23	00	28	15.5*	13.457	S	166.361	E	33	N	4.0	1.1	17	VANUATU ISLANDS
23	00	54	37.5*	13.352	S	166.398	E	33	N	4.7	1.1	25	VANUATU ISLANDS
23	01	24	32.8?	33.12	N	130.70	E	33	N	3.0	1.5	8	KYUSHU, JAPAN
23	01	38	38.7	9.570	S	107.841	E	33	N	4.5	1.0	38	SOUTH OF JAWA, INDONESIA
23	01	40	57.6*	13.340	S	166.393	E	33	N	4.1	1.4	15	VANUATU ISLANDS
23	01	43	02.1&	60.566	N	151.620	W	72		3.5		60	KENAI PENINSULA, ALASKA. <AEIC>.
23	01	58	21.0?	14.18	S	166.76	E	33	N		1.3	11	VANUATU ISLANDS
23	02	21	40.2&	36.716	N	3.047	W	10	G		0.7	5	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
23	03	01	56.0	13.308	S	166.330	E	33	N	5.1 4.7	1.1	72	VANUATU ISLANDS
23	03	16	36.3*	14.013	S	166.814	E	33	N	4.3	0.9	12	VANUATU ISLANDS
23	03	47	18.3	13.599	S	166.390	E	33	N	5.5 6.0	1.3	238	VANUATU ISLANDS. Mw 6.0 (HRV), 5.9 (GS).

Moment Tensor (GS): Dep 20; Principal axes (scale 10**17 Nm): (T) Val=9.35, Plg=18, Azm=90; (N) Val=-0.86, Plg=17, Azm=355; (P) Val=-8.49, Plg=65, Azm=224; Best double couple: Mo=8.9*10**17 Nm; NP1: Strike=206, Dip=31, Slip=-55; NP2: Strike=346, Dip=65, Slip=-109.
Centroid, Moment Tensor (HRV): Centroid origin time 03:47:22.9; Lat 13.61 S; Lon 166.20 E; Dep 21.0 Bdy; Half-duration 2.4 sec; Principal axes (scale 10**17 Nm): (T) Val=9.70, Plg=22, Azm=94; (N) Val=-0.34, Plg=10, Azm=0; (P) Val=-9.36, Plg=65, Azm=247; Best double couple: Mo=9.5*10**17 Nm; NP1: Strike=203, Dip=24, Slip=-65; NP2: Strike=356, Dip=68, Slip=-101.

23	03	56	49.8	51.726	N	16.091	E	5	G		1.2	15	POLAND. ML 3.6 (GRF), 3.5 (VIE).
23	04	12	40.0&	61.900	N	149.692	W	0				43	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
23	04	26	30.0*	13.402	S	166.520	E	33	N	4.4	1.1	23	VANUATU ISLANDS
23	04	37	03.7*	13.588	S	166.470	E	33	N	4.6	0.9	22	VANUATU ISLANDS
23	04	41	12.0*	72.997	N	6.376	E	10	G	4.1	1.0	8	NORWEGIAN SEA
23	05	02	14.7*	13.360	S	166.217	E	33	N		0.9	6	VANUATU ISLANDS
23	05	48	46.6*	13.255	S	165.611	E	33	N	4.3	0.9	11	VANUATU ISLANDS
23	06	44	54.0&	45.635	N	15.261	E	10	G		1.1	5	NORTHWESTERN BALKAN REGION. ML 1.7 (LJU).
23	06	51	29.2&	32.485	S	70.628	W	80	G		0.4	11	CHILE-ARGENTINA BORDER REGION. MD 4.2 (SAN).
23	07	13	44.1*	13.422	S	166.509	E	33	N	4.4	1.5	17	VANUATU ISLANDS
23	07	41	08.1?	6.78	S	147.51	E	87	*	4.1	0.9	12	EASTERN NEW GUINEA REG., P.N.G.
23	07	57	12.4	13.615	S	166.603	E	33	N	5.2 5.2	1.1	83	VANUATU ISLANDS. Mw 5.4 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 07:57:17.6; Lat 13.41 S; Lon 166.21 E; Dep 27.1; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.71, Plg=52, Azm=11; (N) Val=-0.13, Plg=30, Azm=147; (P) Val=-1.58, Plg=22, Azm=250; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=21, Dip=35, Slip=149; NP2: Strike=137, Dip=73, Slip=59.

23	08	39	55.5	13.657	S	166.509	E	33	N	5.2 5.0	1.1	76	VANUATU ISLANDS. Mw 5.3 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 08:39:58.4; Lat 13.68 S; Lon 166.22 E; Dep 16.6; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.80, Plg=62, Azm=23; (N) Val=0.39, Plg=22, Azm=162; (P) Val=-1.19, Plg=17, Azm=259; Best double couple:

													Mo=9.9*10**16 Nm; NP1: Strike=19, Dip=34, Slip=132; NP2: Strike=151, Dip=65, Slip=65.
23	09	07	57.6%	41.151	N	7.138	W	10	G		0.8	7	PORTUGAL. mbLg 3.2 (MDD).
23	09	31	21.2*	13.225	S	166.160	E	33	N	4.3	1.4	13	VANUATU ISLANDS
23	10	04	00.4?	13.25	S	166.14	E	33	N	4.2	0.6	7	VANUATU ISLANDS
23	10	33	14.4*	18.311	N	64.149	W	33	N	3.8	0.4	9	VIRGIN ISLANDS. MD 4.0 (MPR).
23	10	39	58.5*	11.146	N	61.002	W	5	G	4.1	0.7	13	WINDWARD ISLANDS
23	10	40	33.6?	13.42	S	166.22	E	33	N	4.3	0.9	10	VANUATU ISLANDS
23	10	44	14.9*	13.368	S	166.308	E	33	N	4.7	1.3	33	VANUATU ISLANDS
23	10	46	23.5*	13.167	S	166.460	E	33	N	4.5	1.1	36	VANUATU ISLANDS
23	11	34	18.6?	2.88	S	148.53	E	33	N	4.0	0.2	6	ADMIRALTY ISLANDS REGION, P.N.G.
23	11	37	24.0*	8.574	N	127.087	E	33	N	4.1	1.4	11	PHILIPPINE ISLANDS REGION
23	11	45	46.0*	11.161	N	60.887	W	5	G	3.9	0.7	12	WINDWARD ISLANDS
23	11	47	27.4%	19.085	N	98.432	W	10	G		0.6	5	CENTRAL MEXICO
23	12	27	28.4	13.316	S	166.277	E	33	N	4.8	1.1	56	VANUATU ISLANDS
23	13	36	57.3*	6.434	S	152.959	E	33	N	3.7	0.9	9	NEW BRITAIN REGION, P.N.G.
23	14	23	59.5*	5.714	S	152.610	E	33	N	4.0	1.2	8	NEW BRITAIN REGION, P.N.G.
23	15	17	55.3%	37.995	N	72.711	E	150	G		0.8	7	TAJIKISTAN
23	15	20	33.7	43.077	N	139.206	E	33	N	4.8 4.0	1.0	89	EASTERN SEA OF JAPAN
23	15	22	03.3	51.635	N	16.332	E	5	G		0.9	11	POLAND. ML 3.0 (VIE).
23	15	35	29.7%	37.438	N	3.446	W	10	G		0.6	14	SPAIN. mbLg 2.9 (MDD).
23	16	07	06.9*	51.890	N	170.785	W	44	D	3.9	0.8	21	FOX ISLANDS, ALEUTIAN ISLANDS
23	16	20	21.0*	13.471	S	166.469	E	33	N		0.8	12	VANUATU ISLANDS
23	16	44	37.3	30.807	N	131.409	E	33	N	4.6 4.9	1.2	32	KYUSHU, JAPAN
23	16	47	24.3*	39.642	N	77.148	E	33	N		1.1	12	SOUTHERN XINJIANG, CHINA
23	16	54	43.8*	42.636	N	17.853	E	10	G		1.3	21	ADRIATIC SEA. ML 3.0 (LJU).
23	17	20	49.9*	10.868	S	164.335	E	33	N	4.3	1.3	21	SANTA CRUZ ISLANDS REGION
23	18	08	43.0?	20.39	S	168.52	E	33	N	4.0	1.5	12	LOYALTY ISLANDS
23	18	45	20.3*	6.088	S	146.776	E	63	*	3.3	1.3	11	EASTERN NEW GUINEA REG., P.N.G.
23	18	48	29.7?	13.35	S	166.29	E	33	N		1.2	5	VANUATU ISLANDS
23	19	01	12.8*	7.123	S	129.464	E	100	G	4.4	1.5	22	BANDA SEA
23	19	30	13.6*	31.658	S	70.186	W	120	G		0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
23	19	42	00.3*	6.689	S	147.659	E	84	*	3.4	0.9	10	EASTERN NEW GUINEA REG., P.N.G.
23	19	44	28.4	13.986	N	144.901	E	101	D	6.2	1.0	309	MARIANA ISLANDS. Mw 6.5 (GS), 6.5 (HRV). Me 6.2 (GS). Four people injured and some damage to buildings on Guam. Felt (VII) at Inarajan, Merizo and Yona; (VI) in central Guam; (IV) at Dededo and Yigo, Guam. Felt strongly on Rota, Saipan and Tinian. Power outages occurred on Guam and Rota. Broadband Source Parameters (GS): Dep 101; NP1: Strike=175, Dip=45, Slip=-40; NP2: Strike=296, Dip=63, Slip=-127; Radiated energy 4.4*10**13 Nm. Moment Tensor (GS): Dep 94; Principal axes (scale 10**18 Nm): (T) Val=7.00, Plg=5, Azm=40; (N) Val=-1.21, Plg=36, Azm=306; (P) Val=-5.78, Plg=53, Azm=138; Best double couple: Mo=6.4*10**18 Nm; NP1: Strike=163, Dip=51, Slip=-40; NP2: Strike=281, Dip=60, Slip=-133. Centroid, Moment Tensor (HRV): Centroid origin time 19:44:33.8; Lat 13.83 N; Lon 145.05 E; Dep 95.1; Half-duration 4.3 sec; Principal axes (scale 10**18 Nm): (T) Val=6.90, Plg=4, Azm=41; (N) Val=-0.97, Plg=30, Azm=309; (P) Val=-5.93, Plg=60, Azm=139; Best double couple: Mo=6.4*10**18 Nm; NP1: Strike=159, Dip=48, Slip=-49; NP2: Strike=286, Dip=56, Slip=-126.
23	20	36	43.2?	2.32	S	145.57	E	33	N	4.0	1.3	10	ADMIRALTY ISLANDS REGION, P.N.G.
23	21	47	25.8*	1.013	N	29.659	W	10	G	4.7	1.0	11	CENTRAL MID-ATLANTIC RIDGE
23	22	19	21.3?	31.70	S	70.42	W	130	G		0.3	8	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
23	22	25	01.4	11.156	N	60.872	W	5	G	4.9 4.0	0.8	81	WINDWARD ISLANDS
23	22	37	39.1	51.629	N	16.244	E	5	G		1.1	14	POLAND. ML 3.3 (VIE), 3.3 (GRF).
23	22	57	24.6	12.825	S	166.011	E	33	N	4.9	1.1	36	SANTA CRUZ ISLANDS
23	23	24	11.7*	32.761	S	67.301	W	164		3.7	1.0	23	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (SAN).
23	23	44	02.0*	22.685	S	175.359	W	33	N	4.4	1.0	12	TONGA ISLANDS REGION
23	23	45	51.1*	7.129	S	129.525	E	100	G	4.5	1.1	20	BANDA SEA
24	00	08	12.3?	5.75	S	11.18	W	10	G	4.7	0.9	7	ASCENSION ISLAND REGION
24	00	24	16.5*	13.267	S	166.417	E	33	N		1.3	9	VANUATU ISLANDS
24	00	52	11.4?	22.04	N	146.03	E	33	N	4.3	1.5	7	NORTH PACIFIC OCEAN
24	01	45	17.7?	20.17	S	178.48	W	550	G	4.4	0.8	18	FIJI ISLANDS REGION
24	02	47	01.2&	53.837	N	165.226	W	64				6	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.8 (AEIC).
24	02	52	56.5*	51.202	N	15.816	E	5	G		1.4	8	POLAND. ML 2.7 (VIE).
24	03	45	42.0*	13.416	S	66.745	E	10	G	4.8	0.6	22	MID-INDIAN RIDGE
24	03	51	48.0?	13.43	S	66.66	E	10	G		1.0	12	MID-INDIAN RIDGE
24	04	00	55.0*	14.713	N	143.684	E	33	N		1.5	21	MARIANA ISLANDS REGION. Felt (III) at Anigua and Tamuning, Guam.
24	04	12	03.2*	29.759	N	68.274	E	33	N		1.1	10	PAKISTAN
24	04	54	01.6%	41.363	N	23.388	E	5	G		0.9	5	GREECE-BULGARIA BORDER REGION
24	04	59	47.2?	13.56	S	66.58	E	10	G	4.1	1.0	16	MID-INDIAN RIDGE
24	05	21	46.3&	53.877	N	164.484	W	65				27	UNIMAK ISLAND REGION. <AEIC>. ML 4.0 (AEIC).
24	06	02	57.3?	6.15	S	103.78	E	33	N		0.5	9	SOUTHWEST OF SUMATERA, INDONESIA
24	06	10	44.6*	13.604	S	166.266	E	33	N		1.3	11	VANUATU ISLANDS
24	07	01	57.4%	38.435	N	72.045	E	100	G		0.9	9	TAJIKISTAN
24	07	03	02.9*	2.258	S	139.251	E	50	G	4.3	1.1	12	NEAR NORTH COAST OF IRIAN JAYA
24	07	29	20.5?	13.56	S	66.56	E	10	G		0.6	6	MID-INDIAN RIDGE
24	07	52	35.8?	6.64	S	153.04	E	33	N		0.3	6	NEW BRITAIN REGION, P.N.G.
24	07	56	10.3?	10.27	S	161.35	E	33	N		1.5	6	SOLOMON ISLANDS
24	08	18	54.4	84.945	N	99.932	E	10	G	4.5	0.8	51	NORTH OF SEVERNAYA ZEMLYA
24	08	45	53.0?	17.05	S	178.60	W	450	G	4.1	1.2	16	FIJI ISLANDS REGION
24	09	18	02.3*	37.347	N	32.249	W	10	G		0.8	7	AZORES ISLANDS REGION
24	09	30	39.2?	23.04	N	141.53	E	100	G		0.6	6	VOLCANO ISLANDS REGION
24	10	54	16.5?	13.71	S	166.28	E	33	N	4.2	1.5	9	VANUATU ISLANDS
24	10	58	47.4?	13.04	S	167.21	E	33	N		1.0	5	VANUATU ISLANDS
24	10	59	10.2%	33.790	S	71.508	W	40	G		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
24	11	51	51.9*	5.431	S	151.973	E	98		4.3	0.9	22	NEW BRITAIN REGION, P.N.G.
24	11	52	42.3*	51.190	N	15.815	E	5	G		1.0	7	POLAND. ML 2.7 (CLL).
24	11	53	09.2*	42.597	N	138.257	E	238	?		0.8	12	EASTERN SEA OF JAPAN

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24  12 32 22.1& 34.031 N  118.895 W   11                          2  SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS). Felt in the
                                                                     Malibu area.
24  12 32 42.7& 37.625 N  119.380 W   17                          6  CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).
24  12 44 39.8  11.129 N   60.939 W    5 G  4.8 4.2  1.0    72  WINDWARD ISLANDS
24  13 47 24.3? 13.52  S  166.49  E   33 N  4.3       1.4    12  VANUATU ISLANDS
24  13 48 04.1  24.455 S   66.888 W  174 *  4.2       0.9    33  SALTA PROVINCE, ARGENTINA
24  13 56 25.3* 23.150 S   66.393 W  250 G  4.0       1.5    10  JUJUY PROVINCE, ARGENTINA
24  14 48 15.8* 12.981 S  166.394 E   33 N  4.2       1.3    12  SANTA CRUZ ISLANDS
24  15 22 15.0? 5.71   S  152.58  E   33 N  4.0       1.1     5  NEW BRITAIN REGION, P.N.G.
24  15 48 58.7? 14.03  N   92.52  W   33 N  4.2       1.3    14  NEAR COAST OF CHIAPAS, MEXICO
24  16 21 14.8? 5.59   S  152.20  E   33 N  4.1       1.5    12  NEW BRITAIN REGION, P.N.G.
24  16 39 22.3  25.758 N  125.734 E   88 D  5.1       1.0    91  SOUTHWESTERN RYUKYU ISLANDS. Mw 5.1 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   16:39:20.7; Lat 25.52 N; Lon 125.43 E; Dep 94.6; Half-
                                                                   duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                   Val=5.14, Plg=56, Azm=217; (N) Val=0.77, Plg=6, Azm=118;
                                                                   (P) Val=-5.91, Plg=33, Azm=24; Best double couple:
                                                                   Mo=5.5*10**16 Nm; NP1: Strike=89, Dip=13, Slip=61; NP2:
                                                                   Strike=299, Dip=79, Slip=97.
24  16 47 00.9& 44.363 N    8.180 E    5 G        0.8     8  NORTHERN ITALY. ML 2.2 (LDG).
24  16 51 39.5* 5.365  S  151.977 E   33 N  4.3       1.4    14  NEW BRITAIN REGION, P.N.G.
24  17 12 37.4? 33.35  S  179.70  E  150 G  4.4       0.9    13  SOUTH OF KERMADEC ISLANDS
24  17 15 53.5* 51.483 S  139.823 E   10 G  4.5       1.1    20  SOUTH OF AUSTRALIA
24  17 19 48.1? 51.34  S  139.58  E   10 G  4.4       1.2    14  SOUTH OF AUSTRALIA
24  17 26 51.4? 51.55  S  139.50  E   10 G  4.5       1.5    16  SOUTH OF AUSTRALIA
24  17 31 31.0* 5.596  S  152.118 E   33 N  4.6       1.4    18  NEW BRITAIN REGION, P.N.G.
24  17 44 44.0? 1.48   N   98.94  E  100 G             0.2     5  NORTHERN SUMATERA, INDONESIA
24  17 54 26.8? 0.80   S  124.82  E   33 N  3.6       1.5     8  SOUTHERN MOLUCCA SEA
24  19 05 20.5& 62.803 N  150.795 W   93                         57  CENTRAL ALASKA. <AEIC>.
24  19 27 50.6* 32.088 S   13.892 W   10 G  4.4       1.1    12  SOUTHERN MID-ATLANTIC RIDGE
24  19 48 52.0? 13.97  S  166.27  E   33 N             1.2     7  VANUATU ISLANDS
24  20 12 16.2& 31.401 S  117.815 E   10 G             1.0     9  WESTERN AUSTRALIA
24  20 16 18.5? 30.73  N   67.85  E   33 N             1.4     9  PAKISTAN
24  20 28 02.6? 5.96   S  153.66  E   33 N             1.5     5  NEW IRELAND REGION, P.N.G.
24  21 00 24.0* 21.025 S   67.194 W  200 G             0.9    10  CHILE-BOLIVIA BORDER REGION
24  21 22 27.6& 55.423 N  162.784 E   33 N             0.6     9  NEAR EAST COAST OF KAMCHATKA
24  21 33 46.5* 13.217 S  165.603 E   33 N  4.4       1.0    24  VANUATU ISLANDS
24  21 57 40.4* 19.982 S  168.353 E   33 N  4.5       1.6    17  VANUATU ISLANDS
24  21 59 16.8* 7.511  S  107.415 E  100 G  4.1       1.3    27  JAWA, INDONESIA
24  22 16 02.2* 26.298 S   27.079 E    5 G             1.2     8  REPUBLIC OF SOUTH AFRICA
24  22 22 13.8? 41.15  N   23.93  E    5 G             0.8     5  GREECE-BULGARIA BORDER REGION
24  22 45 00.9* 5.485  S  152.165 E   33 N  4.6       1.5    21  NEW BRITAIN REGION, P.N.G.
24  22 55 04.5? 5.66   S  152.48  E   33 N  4.1       1.3     8  NEW BRITAIN REGION, P.N.G.
24  23 06 39.4& 31.436 S  117.693 E   10 G             0.6     5  WESTERN AUSTRALIA
24  23 15 41.6* 39.640 N   76.887 E   33 N             1.5    10  SOUTHERN XINJIANG, CHINA
24  23 20 27.4* 5.672  S  152.572 E   33 N  3.8       1.0     7  NEW BRITAIN REGION, P.N.G.
24  23 40 51.9* 13.486 S  166.178 E   33 N             1.0    10  VANUATU ISLANDS
24  23 58 07.5& 46.041 N   14.960 E   10 G             0.4     5  NORTHWESTERN BALKAN REGION
24  23 59 34.1* 56.172 N  153.545 W   33 N  3.5       1.2    16  KODIAK ISLAND REGION
25  00 08 33.1? 17.40  S  178.33  W  500 G             1.1     7  FIJI ISLANDS REGION
25  00 39 41.4& 31.430 S  117.689 E   10 G             0.5     5  WESTERN AUSTRALIA
25  00 39 44.2* 13.390 S  166.284 E   33 N  4.3       1.3    14  VANUATU ISLANDS
25  01 00 52.5* 13.434 S  166.302 E   33 N             1.2    12  VANUATU ISLANDS
25  01 09 19.9  6.449  S  105.248 E   33 N  4.8       1.1    54  SUNDA STRAIT
25  01 43 47.8& 58.838 N  151.814 W   40                         18  KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
25  01 45 08.6  26.521 N   96.202 E  100 G  4.5       0.8    31  MYANMAR
25  01 56 41.1* 53.348 N  163.516 W   33 N  2.9       0.9    14  UNIMAK ISLAND REGION. ML 3.0 (AEIC).
25  02 50 58.4  46.003 N  153.066 E   33 N  5.0 5.1  1.3   130  KURIL ISLANDS. Mw 5.6 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   02:51:01.2; Lat 46.19 N; Lon 152.84 E; Dep 15.5; Half-
                                                                   duration 1.4 sec; Principal axes (scale 10**17 Nm): (T)
                                                                   Val=2.39, Plg=69, Azm=320; (N) Val=0.14, Plg=3, Azm=224;
                                                                   (P) Val=-2.53, Plg=21, Azm=133; Best double couple:
                                                                   Mo=2.5*10**17 Nm; NP1: Strike=218, Dip=24, Slip=84; NP2:
                                                                   Strike=45, Dip=66, Slip=93.
25  02 52 39.2  12.640 N   44.512 W   10 G  4.8 4.2  1.0    67  NORTHERN MID-ATLANTIC RIDGE
25  02 55 27.9* 46.054 N  153.046 E   33 N  4.5       1.0    22  KURIL ISLANDS
25  03 07 40.2? 14.09  S  166.64  E   33 N             1.1     6  VANUATU ISLANDS
25  03 24 14.4& 31.526 S  117.641 E   10 G             1.3     5  WESTERN AUSTRALIA
25  03 32 03.3  46.198 N  153.072 E   33 N  4.2       0.9    30  KURIL ISLANDS
25  04 24 23.5  33.400 S   70.379 W  100 G             0.2    12  CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN). Felt (III) at
                                                                   Santiago, Chile.
25  04 29 26.5& 53.372 N  163.521 W    0                         5  UNIMAK ISLAND REGION. <AEIC>. ML 2.9 (AEIC).
25  04 52 03.0& 34.065 S   70.497 W  100 G             0.1    10  CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
25  05 01 49.5  32.400 S   70.843 W   70 G             0.4     9  CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
25  05 20 03.3* 46.144 N  153.222 E   33 N  3.7       0.7    11  KURIL ISLANDS
25  05 37 40.1  46.154 N  153.108 E   33 N  5.5 5.5  1.0   296  KURIL ISLANDS. Mw 5.9 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   05:37:42.7; Lat 46.27 N; Lon 153.02 E; Dep 15.0 Bdy; Half-
                                                                   duration 2.1 sec; Principal axes (scale 10**17 Nm): (T)
                                                                   Val=7.20, Plg=66, Azm=303; (N) Val=-0.10, Plg=0, Azm=33;
                                                                   (P) Val=-7.10, Plg=24, Azm=123; Best double couple:
                                                                   Mo=7.2*10**17 Nm; NP1: Strike=213, Dip=21, Slip=90; NP2:
                                                                   Strike=33, Dip=69, Slip=90.
25  05 41 47.1  46.214 N  152.818 E   33 N  5.0       1.0    93  KURIL ISLANDS
25  05 51 04.0  46.163 N  152.974 E   33 N  5.0       0.9   105  KURIL ISLANDS
25  06 04 16.1* 46.281 N  152.883 E   33 N  4.3       0.8    20  KURIL ISLANDS
25  06 04 35.8? 21.05  S   67.58  W  227 ?  3.7       0.7     5  CHILE-BOLIVIA BORDER REGION
25  06 06 43.5* 46.200 N  153.046 E   33 N  4.6       1.3    43  KURIL ISLANDS
25  06 20 32.7? 13.39  S  166.40  E   33 N             0.5     5  VANUATU ISLANDS
25  06 55 52.3& 63.403 N  151.246 W   10                        55  CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.2 (PMR).
25  07 04 12.3* 3.699  S  139.511 E   33 N  4.4       1.0    13  IRIAN JAYA, INDONESIA
25  07 18 26.5& 36.407 N    3.447 W    5 G             0.6    10  STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
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25  07 21 52.4? 18.39  S  169.12  E  229 ?  4.4        0.9   13  VANUATU ISLANDS
25  07 31 18.8* 19.468 S  174.113 W  150 G  4.3        1.0   25  TONGA ISLANDS
25  07 32 33.7  25.406 S  177.645 W  190 D  4.9        1.2   59  SOUTH OF FIJI ISLANDS. Mw 5.4 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                07:32:37.9; Lat 25.38 S; Lon 177.80 W; Dep 196.5; Half-
                                                                duration 1.1 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.66, Plg=41, Azm=250; (N) Val=-0.24, Plg=27, Azm=134;
                                                                (P) Val=-1.42, Plg=38, Azm=21; Best double couple:
                                                                Mo=1.5*10**17 Nm; NP1: Strike=48, Dip=27, Slip=4; NP2:
                                                                Strike=315, Dip=88, Slip=117.
25  08 22 06.1& 59.989 N  153.696 W  154                        50  SOUTHERN ALASKA. <AEIC>.
25  08 40 51.0* 37.169 N   56.874 E   10 G  4.0        1.5   18  NORTHERN IRAN
25  09 11 34.6  48.342 S   10.040 W   10 G  5.3 5.8     1.2  134  SOUTHERN MID-ATLANTIC RIDGE. Mw 5.8 (HRV), 5.6 (GS).
                                                               Moment Tensor (GS): Dep 1; Principal axes (scale 10**17 Nm):
                                                                (T) Val=3.39, Plg=22, Azm=240; (N) Val=-0.13, Plg=30,
                                                                Azm=137; (P) Val=-3.26, Plg=52, Azm=1; Best double couple:
                                                                Mo=3.3*10**17 Nm; NP1: Strike=11, Dip=35, Slip=-30; NP2:
                                                                Strike=127, Dip=73, Slip=-121.
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                09:11:41.6; Lat 48.19 S; Lon 9.41 W; Dep 15.0 Fix; Half-
                                                                duration 1.8 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=5.39, Plg=9, Azm=264; (N) Val=0.12, Plg=13, Azm=171;
                                                                (P) Val=-5.52, Plg=74, Azm=30; Best double couple:
                                                                Mo=5.4*10**17 Nm; NP1: Strike=9, Dip=37, Slip=-69; NP2:
                                                                Strike=163, Dip=56, Slip=-105.
25  09 33 49.3? 8.24   N  103.54  W   10 G  4.3        0.8   11  OFF COAST OF MEXICO
25  10 14 44.8% 44.688 N    7.281 E   10 G              0.5   31  NORTHERN ITALY. ML 2.8 (GEN), 2.7 (LDG).
25  10 22 14.1% 44.682 N    7.273 E   10 G              0.4    8  NORTHERN ITALY. ML 2.0 (GEN).
25  10 27 33.2* 39.658 N  141.805 E   96 ?  3.5        1.4   15  EASTERN HONSHU, JAPAN
25  10 36 17.3* 23.104 S   66.657 W  216 *  4.1        1.0   15  JUJUY PROVINCE, ARGENTINA
25  10 38 43.7& 53.478 N  165.793 W   16                        5  FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.9 (AEIC).
25  10 39 06.7  42.683 N  108.732 W    5 G              0.7   15  WYOMING. ML 3.1 (GS).
25  10 42 38.8* 36.525 N   70.749 E  202 ?  3.5        1.5   14  HINDU KUSH REGION, AFGHANISTAN
25  10 49 23.2? 14.20  S   66.75  E   10 G              0.9    7  MID-INDIAN RIDGE
25  11 42 54.5? 38.35  S   78.10  E   10 G              0.9    6  MID-INDIAN RIDGE
25  12 22 20.7? 31.42  S  179.81  E  400 G  3.8        1.0   11  KERMADEC ISLANDS REGION
25  13 09 53.5? 37.31  S   78.34  E   10 G  4.6        1.4   10  MID-INDIAN RIDGE
25  13 29 09.9? 37.72  S   78.10  E   10 G  4.2        0.7    6  MID-INDIAN RIDGE
25  14 22 25.9   4.943 N  127.633 E  155 D  4.7        0.7   32  TALAUD ISLANDS, INDONESIA
25  14 32 49.4* 37.171 N  137.294 E  274 *  3.5        0.9   10  NEAR WEST COAST OF HONSHU, JAPAN
25  14 33 40.7? 35.04  N   24.66  E   33 N              0.9    7  CRETE
25  14 40 34.2* 48.794 N  153.614 E   33 N  4.4        0.6   15  KURIL ISLANDS
25  15 01 35.9& 60.056 N  152.487 W   86                       29  SOUTHERN ALASKA. <AEIC>.
25  15 03 48.7? 36.56  N   72.93  E  255 ?              1.8    7  AFGHANISTAN-TAJIKISTAN BORD REG.
25  15 15 03.1* 46.161 N  153.127 E   33 N  4.1        1.0   21  KURIL ISLANDS
25  15 48 13.6* 33.524 N   71.038 E   33 N  3.6        0.7    8  PAKISTAN
25  16 04 50.1  11.136 N   61.024 W    5 G  5.0 4.3     0.8   97  WINDWARD ISLANDS
25  16 51 48.4? 29.46  S  179.51  W  441 ?  4.1        1.1   18  KERMADEC ISLANDS REGION
25  16 54 08.7& 54.385 N  162.254 W    0     3.4              25  ALASKA PENINSULA. <AEIC>. ML 3.9 (AEIC).
25  17 03 07.3& 63.338 N  151.262 W    9                      25  CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
25  18 07 49.2? 29.76  N   68.36  E   33 N  3.8        1.5    6  PAKISTAN
25  18 08 43.7  13.417 S  166.589 E   33 N  4.9 5.2     1.1   80  VANUATU ISLANDS. Mw 5.4 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                18:08:50.5; Lat 13.43 S; Lon 166.14 E; Dep 25.4; Half-
                                                                duration 1.3 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.23, Plg=59, Azm=50; (N) Val=0.40, Plg=26, Azm=195;
                                                                (P) Val=-1.63, Plg=15, Azm=292; Best double couple:
                                                                Mo=1.4*10**17 Nm; NP1: Strike=54, Dip=37, Slip=136; NP2:
                                                                Strike=182, Dip=65, Slip=61.
25  19 24 11.6& 54.399 N  162.125 W    0                      12  ALASKA PENINSULA. <AEIC>. ML 2.7 (AEIC).
25  19 31 10.7? 14.02  S  166.07  E   33 N  4.3        1.5   10  VANUATU ISLANDS
25  19 55 26.1*  4.744 N  124.401 E  378 *  4.4        1.0   25  CELEBES SEA
25  19 55 38.2% 53.252 N  153.405 E  500 G              0.6   10  SEA OF OKHOTSK
25  19 58 49.0? 14.08  S  166.22  E   33 N  3.5        1.4    5  VANUATU ISLANDS
25  20 20 34.0* 13.385 S  166.626 E   33 N  4.2        1.1   14  VANUATU ISLANDS
25  20 30 21.8* 36.702 N    7.541 W   50 G              0.7   20  STRAIT OF GIBRALTAR
25  21 41 19.9  29.345 N  141.988 E   33 N  4.9 4.8     1.0  103  SOUTH OF HONSHU, JAPAN
25  22 41 16.9  13.569 S  166.416 E   33 N  4.9 4.6     1.0   49  VANUATU ISLANDS
25  22 48 03.7? 5.95   S  130.14  E  100 G  4.4        0.8   11  BANDA SEA
25  23 03 04.9  13.423 S  166.659 E   33 N  5.1 5.3     1.1   87  VANUATU ISLANDS. Mw 5.4 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                23:03:09.9; Lat 13.40 S; Lon 166.18 E; Dep 34.0; Half-
                                                                duration 1.3 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.48, Plg=64, Azm=21; (N) Val=0.07, Plg=26, Azm=189;
                                                                (P) Val=-1.55, Plg=5, Azm=281; Best double couple:
                                                                Mo=1.5*10**17 Nm; NP1: Strike=37, Dip=46, Slip=127; NP2:
                                                                Strike=169, Dip=55, Slip=58.
26  00 06 06.2& 60.151 N  153.709 W  165     2.4              42  SOUTHERN ALASKA. <AEIC>.
26  01 01 58.1*  0.440 S  125.300 E   33 N  4.9 4.2     1.4   32  SOUTHERN MOLUCCA SEA
26  01 03 33.3   0.088 S   16.596 W   10 G  4.7 4.5     1.1   72  NORTH OF ASCENSION ISLAND
26  01 12 04.5  14.159 S  166.481 E   33 N  4.7        1.1   55  VANUATU ISLANDS
26  01 45 49.8* 37.128 S   78.253 E   10 G  4.6        1.1   12  MID-INDIAN RIDGE
26  01 49 35.2  37.160 N  115.937 W    5 G              0.9   46  SOUTHERN NEVADA. ML 4.3 (GS).
26  02 42 16.1? 37.09  S   94.20  W   10 G  4.3        1.0    9  WEST CHILE RISE
26  03 04 07.6* 13.456 S  166.518 E   33 N  4.5        1.1   15  VANUATU ISLANDS
26  03 54 02.2& 63.502 N  150.795 W   10                       29  CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.2 (PMR).
26  04 02 18.7* 13.597 S  166.380 E   33 N              1.3   11  VANUATU ISLANDS
26  04 44 28.2  41.294 N  139.959 E   33 N  4.5        1.0   47  HOKKAIDO, JAPAN  REGION
26  04 55 05.8* 39.529 N   76.087 E   33 N              1.1   13  SOUTHERN XINJIANG, CHINA
26  04 56 09.4*  5.338 N   72.965 W   33 N  4.2        1.2   30  COLOMBIA
26  05 14 17.0? 7.00   S  129.17  E  100 G  3.9        1.5    9  BANDA SEA
26  05 42 14.7* 38.900 N   45.610 E   10 G              0.7    7  ARMENIA-AZERBAIJAN-IRAN BORD REG
26  05 45 49.8  18.804 N  145.335 E  192 D  5.2        1.0  164  MARIANA ISLANDS. Mw 5.4 (HRV).
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													Centroid, Moment Tensor (HRV): Centroid origin time 05:45:54.8; Lat 18.84 N; Lon 145.68 E; Dep 198.7; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.25, Plg=55, Azm=207; (N) Val=-0.17, Plg=16, Azm=321; (P) Val=-1.08, Plg=30, Azm=61; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=189, Dip=21, Slip=140; NP2: Strike=317, Dip=77, Slip=73.
26	06	16	38.1	15.553	N	147.760	E	36	D	4.9	4.1	0.7	92	MARIANA ISLANDS REGION
26	06	51	54.0*	53.836	N	163.714	W	33	N	4.2		1.3	26	UNIMAK ISLAND REGION. ML 4.1 (PMR).
26	07	10	01.3*	14.568	S	166.213	E	33	N			1.0	16	VANUATU ISLANDS
26	07	15	18.9?	15.21	N	61.43	W	33	N	4.1		0.7	14	LEEWARD ISLANDS
26	07	28	54.0	43.127	N	1.831	W	10	G			0.9	18	PYRENEES. mbLg 3.2 (MDD). ML 3.0 (LDG).
26	07	30	19.2	42.872	N	17.640	E	10	G	4.1		1.4	110	ADRIATIC SEA. ML 4.2 (ROM). Some houses damaged and landslides occurred in the Ston area, Croatia.
26	08	24	12.6	46.192	N	7.765	E	10	G			0.8	39	SWITZERLAND. ML 2.8 (LDG).
26	08	25	38.1	13.581	S	166.666	E	33	N	4.8		1.2	57	VANUATU ISLANDS
26	08	52	38.7	34.926	N	25.404	E	33	N	3.9		1.4	40	CRETE
26	08	52	52.1	51.651	N	16.344	E	5	G			0.8	11	POLAND. ML 3.5 (VIE).
26	09	00	59.5&	44.325	N	7.361	E	10	G			0.4	5	NORTHERN ITALY. ML 1.7 (GEN).
26	09	01	44.1*	27.370	S	176.776	W	33	N	4.5		1.1	25	KERMADEC ISLANDS REGION
26	09	15	15.2	12.526	N	86.671	W	178	D	4.8		1.2	190	NICARAGUA
26	09	27	18.2*	13.225	S	166.506	E	33	N	4.5		1.1	24	VANUATU ISLANDS
26	09	42	50.9	21.426	S	68.578	W	100	G	4.2		1.0	25	CHILE-BOLIVIA BORDER REGION
26	09	46	28.4	13.415	S	166.443	E	33	N	4.8		0.9	44	VANUATU ISLANDS
26	10	04	53.1&	46.125	N	7.493	E	5	G			1.1	5	SWITZERLAND. ML 2.2 (LDG).
26	10	11	54.0*	53.404	S	139.709	E	33	N	4.7	5.3	1.2	36	WEST OF MACQUARIE ISLAND. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:11:55.2; Lat 53.78 S; Lon 140.89 E; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=3.18, Plg=9, Azm=221; (N) Val=-0.10, Plg=75, Azm=93; (P) Val=-3.08, Plg=11, Azm=313; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=357, Dip=75, Slip=-1; NP2: Strike=87, Dip=89, Slip=-165.
26	10	19	31.2&	59.365	N	152.890	W	82		3.6			94	SOUTHERN ALASKA. <AEIC>.
26	10	37	30.6&	34.369	N	118.672	W	17		5.0	5.0		145	SOUTHERN CALIFORNIA. <PAS-P>. Mw 4.8 (BRK). ML 5.1 (PAS), 5.1 (BRK). Felt (V) at Acton, Carpinteria, Culver City, Glendale, North Hills, Northridge, Santa Clarita, Santa Monica, Sylmar, Tarzana, Thousand Oaks, Tujunga and Van Nuys; (IV) at Agoura Hills, Canoga Park, Goleta, Lake Hughes, Lakewood, Lancaster, Leona Valley, Los Angeles, Montrose, North Hollywood, Norwalk, Oxnard, Pacoima, Palmdale, Placentia, Reseda, San Bernardino, San Fernando, Simi Valley, South Gate, Torrance, Ventura, Walnut and West Hills; (III) at Bonsall, La Mirada, Mojave, Ontario and Paramount. Scalar Moment (BRK): Mo=1.5*10**16 Nm.
26	10	40	29.7&	34.375	N	118.671	W	15					28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS), 4.1 (BRK). Felt.
26	10	54	30.7&	34.376	N	118.651	W	15					28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt.
26	11	01	29.3*	68.245	N	54.267	W	10	G	3.4		0.8	7	DAVIS STRAIT
26	11	10	04.6&	34.374	N	118.651	W	15					28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
26	11	33	37.8&	34.375	N	118.643	W	14					28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
26	11	52	48.9	25.171	N	143.279	E	46	D	4.3		0.9	24	VOLCANO ISLANDS REGION
26	11	55	47.5&	34.373	N	118.666	W	15					43	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS), 3.8 (GS).
26	12	01	29.0?	42.63	N	0.01	E	10	G			0.9	4	PYRENEES. ML 2.2 (LDG).
26	12	23	40.0	51.689	N	16.100	E	5	G	3.4		1.0	23	POLAND. ML 3.4 (VIE), 3.1 (CLL).
26	12	26	04.4	13.256	S	166.407	E	33	N	4.5		1.1	29	VANUATU ISLANDS
26	13	17	14.6*	9.959	S	121.051	E	100	G	3.9		1.2	9	SAVU SEA
26	13	32	21.5*	13.637	S	166.380	E	33	N	4.2		1.2	17	VANUATU ISLANDS
26	14	14	28.5*	7.692	N	126.706	E	100	G			1.1	10	MINDANAO, PHILIPPINE ISLANDS
26	14	22	10.4?	31.95	S	178.93	W	33	N	4.4		1.5	13	KERMADEC ISLANDS REGION
26	14	31	34.2&	34.377	N	118.647	W	14					26	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
26	14	58	12.7?	42.61	N	0.67	W	5	G			0.3	4	PYRENEES. ML 2.3 (LDG).
26	15	16	02.8&	45.392	N	6.063	E	10	G			0.4	6	FRANCE. ML 1.9 (LDG).
26	15	44	42.4	46.280	N	152.757	E	33	N	4.7	4.3	1.2	67	KURIL ISLANDS
26	15	52	46.1?	51.31	N	15.98	E	5	G			0.6	6	POLAND. ML 3.0 (VIE), 2.3 (CLL).
26	16	13	42.8&	34.366	N	118.683	W	17					30	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.4 (GS).
26	16	17	57.0	7.022	S	145.079	E	33	N	4.2		1.2	17	NEAR S COAST OF NEW GUINEA, PNG.
26	16	30	47.1?	12.56	N	90.18	W	33	N	4.1		1.3	17	OFF COAST OF CENTRAL AMERICA
26	17	43	20.9	46.209	N	153.008	E	33	N	4.7	4.0	1.1	50	KURIL ISLANDS
26	17	52	07.2&	61.554	N	151.034	W	65					32	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
26	18	08	05.3	36.622	N	21.975	E	33	N	3.8		0.8	46	SOUTHERN GREECE
26	19	16	12.3*	0.078	S	136.480	E	33	N	4.3		1.0	18	IRIAN JAYA REGION, INDONESIA
26	19	43	46.2	32.605	S	71.847	W	33	N	3.9		0.9	25	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN). Felt (II) at Papudo, Quillota, Quintero and Vina del Mar.
26	20	30	18.2*	24.307	S	179.600	W	500	G	4.3		1.4	17	SOUTH OF FIJI ISLANDS
26	20	56	32.4&	60.022	N	152.395	W	81					29	SOUTHERN ALASKA. <AEIC>.
26	22	18	34.1	37.232	N	21.483	E	33	N	4.5		1.1	135	SOUTHERN GREECE
26	22	59	25.2&	40.455	N	124.671	W	18					6	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
26	23	05	50.5*	1.439	N	99.512	E	100	G	4.9		0.9	13	NORTHERN SUMATERA, INDONESIA
26	23	17	14.4*	46.093	N	152.983	E	33	N	3.7		1.0	13	KURIL ISLANDS
26	23	38	39.6&	53.233	N	142.157	E	33	N			0.8	6	SAKHALIN ISLAND
26	23	46	54.1?	52.39	S	71.69	W	33	N	4.3		1.3	9	SOUTHERN CHILE
27	00	31	32.5	19.171	S	168.728	E	42	D	5.8	5.6	0.9	295	VANUATU ISLANDS. Mw 6.1 (GS), 6.0 (HRV). Me 5.8 (GS). Felt at Port-Vila. Broadband Source Parameters (GS): Dep 40; NP1: Strike=160, Dip=45, Slip=105; NP2: Strike=319, Dip=47, Slip=75; Radiated energy 1.2*10**13 Nm. Moment Tensor (GS): Dep 39; Principal axes (scale 10**18 Nm): (T) Val=1.47, Plg=84, Azm=143; (N) Val=-0.15, Plg=6, Azm=334; (P) Val=-1.31, Plg=1, Azm=244; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=327, Dip=44, Slip=81; NP2: Strike=160, Dip=47, Slip=99. Centroid, Moment Tensor (HRV): Centroid origin time

00:31:39.6; Lat 19.13 S; Lon 168.31 E; Dep 47.0 Bdy; Half-duration 2.6 sec; Principal axes (scale 10**18 Nm): (T) Val=1.21, Plg=88, Azm=73; (N) Val=0.14, Plg=0, Azm=168; (P) Val=-1.34, Plg=2, Azm=258; Best double couple: Mo=1.3*10**18 Nm; NP1: Strike=348, Dip=43, Slip=90; NP2: Strike=168, Dip=47, Slip=90.

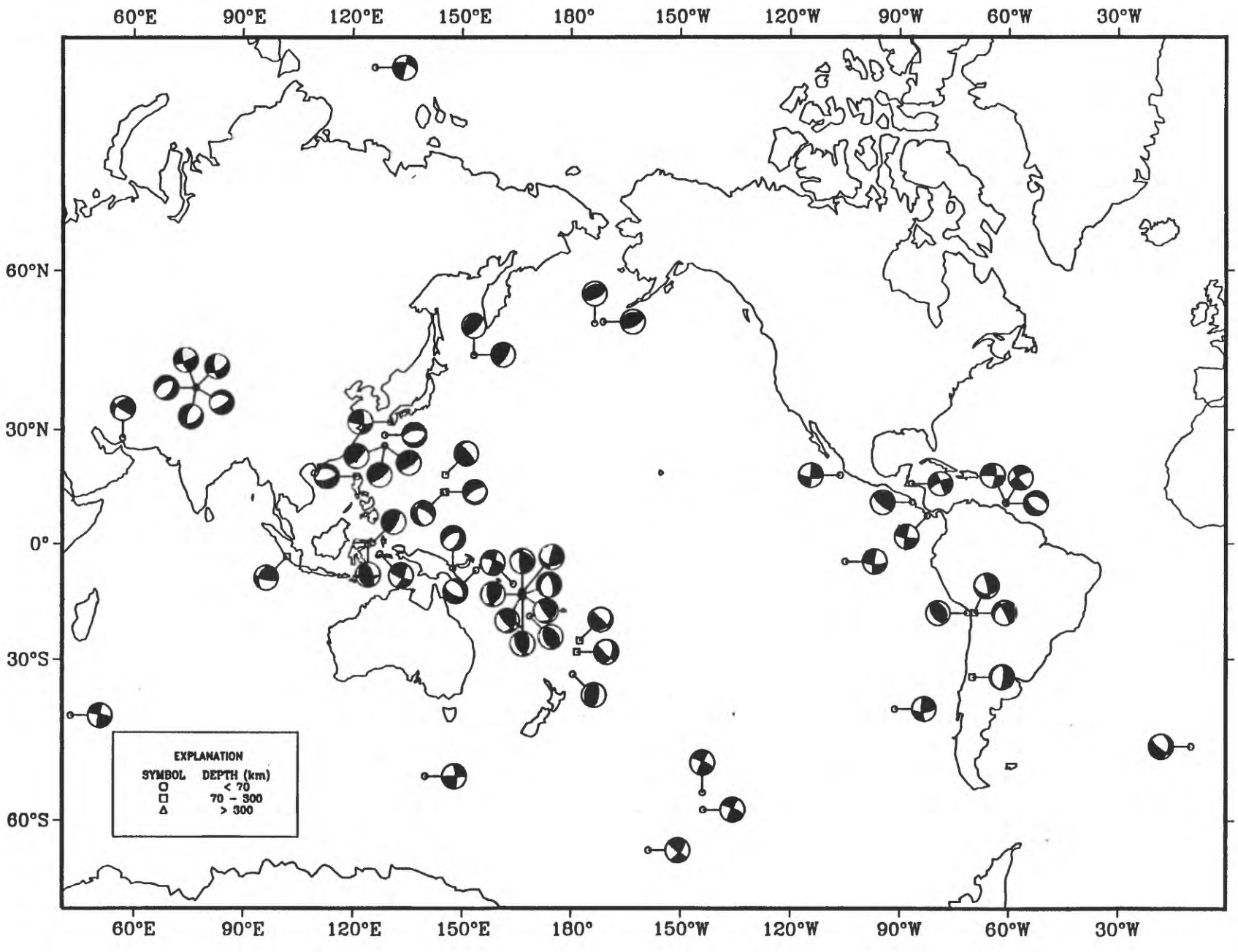
27	01	02	28.1?	15.01	N	120.09	E	33	N	4.1	1.1	14	LUZON, PHILIPPINE ISLANDS
27	01	07	09.2*	19.214	N	145.828	E	100	G	3.7	0.9	12	MARIANA ISLANDS
27	01	50	24.9?	27.67	S	69.49	W	100	G	4.7	1.3	13	NORTHERN CHILE
27	02	17	29.5?	7.20	S	154.98	E	33	N	4.0	0.5	7	SOLOMON ISLANDS
27	02	19	19.0&	33.732	S	71.137	W	60	G		0.2	10	NEAR COAST OF CENTRAL CHILE. MD 2.9 (SAN).
27	02	29	05.4?	15.04	N	98.09	W	33	N	3.9	1.4	17	OFF COAST OF GUERRERO, MEXICO
27	02	56	02.2*	0.023	N	16.641	W	10	G	4.4	0.8	16	NORTH OF ASCENSION ISLAND
27	03	55	38.0*	50.206	N	12.295	E	10	G		0.1	5	GERMANY. ML 1.8 (GRF).
27	04	01	50.3	11.286	N	86.858	W	33	N	4.5	1.0	46	NEAR COAST OF NICARAGUA
27	04	06	36.9*	35.181	S	179.948	E	33	N	4.9	1.3	23	OFF E. COAST OF N. ISLAND, N.Z.
27	04	08	24.0?	10.97	N	86.51	W	33	N	4.2	0.9	13	OFF COAST OF COSTA RICA
27	04	42	59.3&	24.455	N	121.251	E	33	N		1.3	9	TAIWAN
27	05	16	11.9*	24.742	N	122.435	E	126	?	3.9	0.9	11	TAIWAN REGION
27	05	19	55.2*	20.355	S	178.151	W	500	G	4.5	0.9	28	FIJI ISLANDS REGION
27	05	34	11.7	23.970	S	66.860	W	200	G	3.9	0.8	24	JUJUY PROVINCE, ARGENTINA
27	05	44	38.9	9.553	S	119.262	E	33	N	4.4	0.9	36	SUMBA REGION, INDONESIA
27	05	47	30.8&	53.511	N	165.111	W	14		2.7		17	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.3 (AEIC).
27	05	52	20.9*	7.414	S	127.685	E	33	N	4.2	0.9	17	BANDA SEA
27	06	02	32.3*	30.210	S	177.714	W	33	N	4.9	1.2	25	KERMADEC ISLANDS, NEW ZEALAND
27	06	25	24.9*	19.212	N	103.123	W	33	N	3.7	1.3	16	JALISCO, MEXICO
27	06	44	31.1	0.854	N	121.238	E	79	D	4.5	0.8	25	MINAHASSA PENINSULA, SULAWESI
27	07	08	08.0*	19.047	S	168.702	E	104	?	4.6	1.2	42	VANUATU ISLANDS
27	07	13	40.0*	6.006	N	126.777	E	33	N	4.8	1.2	29	MINDANAO, PHILIPPINE ISLANDS
27	07	16	33.4*	20.460	S	177.798	W	600	G	4.7	1.1	25	FIJI ISLANDS REGION
27	07	22	58.2&	36.441	N	3.451	W	10	G		0.9	11	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
27	09	59	47.1&	59.271	N	153.540	W	110				57	SOUTHERN ALASKA. <AEIC>.
27	10	22	29.5*	36.694	N	71.168	E	200	G	3.1	0.5	8	AFGHANISTAN-TAJIKISTAN BORD REG.
27	11	09	28.3&	34.377	N	118.649	W	15		4.9		128	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.8 (PAS), 4.9 (BRK). Felt throughout the Los Angeles area.
27	11	10	53.6?	18.17	S	178.20	W	500	G	4.2	0.4	11	FIJI ISLANDS REGION
27	11	17	27.5&	34.376	N	118.650	W	15				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
27	11	31	20.8&	34.380	N	118.642	W	14				32	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 4.0 (GS).
27	11	31	51.2&	34.372	N	118.647	W	15				19	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.4 (GS).
27	11	53	06.8?	6.33	S	106.60	E	33	N		1.4	11	JAWA, INDONESIA
27	12	36	38.0*	36.464	N	70.920	E	200	G	3.4	0.5	8	HINDU KUSH REGION, AFGHANISTAN
27	12	51	09.2&	44.605	N	7.087	E	10	G		0.7	5	NORTHERN ITALY. ML 1.7 (GEN).
27	13	01	55.2?	13.07	S	166.36	E	33	N	4.2	1.1	10	VANUATU ISLANDS
27	13	25	24.7*	12.674	S	165.688	E	33	N	4.5	1.1	15	SANTA CRUZ ISLANDS
27	13	38	51.2?	34.81	S	70.95	W	100	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
27	13	55	08.6&	9.909	S	161.010	E	100	G		0.8	9	SOLOMON ISLANDS
27	14	03	39.3?	32.55	S	71.85	W	10	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
27	14	09	08.8	46.150	N	153.135	E	33	N	5.1 4.7	1.0	148	KURIL ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:09:10.1; Lat 46.78 N; Lon 153.76 E; Dep 35.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.01, Plg=52, Azm=44; (N) Val=-0.94, Plg=36, Azm=204; (P) Val=-6.08, Plg=9, Azm=301; Best double couple: Mo=6.5*10**16 Nm; NP1: Strike=66, Dip=48, Slip=143; NP2: Strike=183, Dip=64, Slip=49.
27	14	12	31.0?	47.10	N	150.76	E	150	G	4.0	1.3	16	KURIL ISLANDS
27	14	13	04.7	46.394	N	153.141	E	33	N	4.8	1.0	74	KURIL ISLANDS
27	14	14	46.6	46.101	N	153.203	E	33	N	5.2	0.9	125	KURIL ISLANDS
27	14	17	01.5*	32.787	N	136.514	E	400	G	4.0	0.4	11	SOUTHEAST OF SHIKOKU, JAPAN
27	14	28	23.0	13.315	S	166.472	E	33	N	4.9 4.8	1.0	69	VANUATU ISLANDS
27	14	39	54.3?	43.83	N	85.21	E	33	N		1.6	8	NORTHERN XINJIANG, CHINA
27	14	48	23.3*	46.427	N	152.974	E	33	N		0.2	10	KURIL ISLANDS
27	15	18	34.9&	34.379	N	118.634	W	15				29	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.6 (GS).
27	15	31	48.4*	14.899	S	75.526	W	33	N	3.7	1.3	17	NEAR COAST OF PERU
27	15	33	20.1?	16.65	S	168.20	E	33	N	4.5	1.1	5	VANUATU ISLANDS
27	16	49	01.3?	29.78	S	178.46	W	33	N	4.1	1.6	7	KERMADEC ISLANDS, NEW ZEALAND
27	16	59	00.1?	55.77	S	27.16	W	33	N		1.0	7	SOUTH SANDWICH ISLANDS REGION
27	17	01	14.2	46.186	N	7.695	E	10	G		1.1	53	SWITZERLAND. ML 3.5 (GRF), 3.2 (LDG), 2.9 (VIE).
27	17	32	30.6	28.613	S	71.131	W	33	N	4.4	1.3	39	NEAR COAST OF CENTRAL CHILE. Felt (II) at Vallenar.
27	17	37	19.0	4.606	N	96.141	E	33	N	5.0 4.2	1.3	56	NORTHERN SUMATERA, INDONESIA
27	18	06	18.2&	45.167	N	27.140	E	10	G		0.5	6	ROMANIA
27	18	23	41.6&	36.030	N	118.459	W	15				27	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 2.9 (PAS), 2.9 (GS).
27	18	25	54.2	51.045	N	15.862	E	5	G		0.6	8	POLAND. ML 3.1 (VIE), 3.0 (GRF).
27	19	49	07.9&	45.758	N	26.697	E	100	G		0.4	7	ROMANIA
27	19	53	16.0?	11.10	N	86.18	W	100	G	4.0	1.6	9	NEAR COAST OF NICARAGUA
27	20	14	44.8	45.009	N	6.764	E	5	G		0.7	15	FRANCE. ML 2.1 (GEN), 1.9 (LDG).
27	20	27	24.5*	5.100	N	128.101	E	33	N	4.3	0.5	10	EAST OF PHILIPPINE ISLANDS
27	21	08	47.6&	37.140	N	15.850	E	10	G		1.2	11	SICILY. ML 3.0 (ROM).
27	22	45	09.9?	6.37	S	128.44	E	200	G	4.4	1.0	8	BANDA SEA
27	23	35	08.5&	60.269	N	152.719	W	111				35	SOUTHERN ALASKA. <AEIC>.
27	23	59	28.5*	24.629	N	122.275	E	33	N	4.2	1.1	17	TAIWAN REGION
28	00	25	46.0?	35.49	N	70.60	E	33	N	3.8	0.6	6	HINDU KUSH REGION, AFGHANISTAN
28	01	10	09.9*	53.741	N	163.661	W	33	N	4.1	1.2	23	UNIMAK ISLAND REGION. ML 4.4 (PMR).
28	01	20	37.9&	34.384	N	118.642	W	14				25	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.0 (GS).
28	01	22	36.8	13.279	S	166.465	E	33	N	5.2 5.4	1.1	79	VANUATU ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:22:37.8; Lat 13.41 S; Lon 166.29 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.98, Plg=50, Azm=32; (N) Val=-0.03, Plg=21, Azm=150; (P) Val=-1.95, Plg=32, Azm=254; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=33, Dip=24, Slip=155; NP2: Strike=146, Dip=80, Slip=68.

28	01	54	07.8?	13.51	S	166.01	E	33	N	4.5		0.8	7	VANUATU ISLANDS
28	02	05	30.2*	5.944	S	142.288	E	33	N	4.4		1.3	11	NEW GUINEA, PAPUA NEW GUINEA
28	02	24	33.7*	25.615	S	67.219	W	33	N	4.3		0.7	10	CATAMARCA PROVINCE, ARGENTINA
28	03	03	22.7?	9.33	N	126.75	E	33	N	3.8		1.3	6	MINDANAO, PHILIPPINE ISLANDS
28	03	16	59.3	37.466	N	20.825	E	33	N	4.5		1.1	118	IONIAN SEA
28	03	35	39.2*	6.244	S	146.570	E	33	N			1.5	9	EASTERN NEW GUINEA REG., P.N.G.
28	03	58	26.3	34.596	N	24.913	E	33	N	4.2		1.3	64	CRETE
28	03	59	20.2	51.838	N	174.381	W	49	D	4.7		0.9	41	ANDREANOF ISLANDS, ALEUTIAN IS.
28	04	17	07.7?	13.73	S	166.47	E	33	N	4.4		1.7	5	VANUATU ISLANDS
28	05	20	04.8	52.021	N	174.297	E	33	N	4.7		0.9	85	NEAR ISLANDS, ALEUTIAN ISLANDS
28	05	27	49.6*	52.089	N	174.117	E	33	N	4.0		1.1	16	NEAR ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
28	05	31	32.1?	53.63	N	163.02	W	33	N	3.3		1.3	6	UNIMAK ISLAND REGION
28	05	32	53.9*	20.672	S	178.197	W	550	G	4.7		1.0	25	FIJI ISLANDS REGION
28	06	52	09.1*	30.140	N	68.379	E	33	N	4.1		1.2	15	PAKISTAN
28	07	05	43.6	52.278	N	167.030	W	33	N	4.5		1.1	42	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
28	07	06	15.5&	63.272	N	151.143	W	9					52	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
28	07	55	29.4*	12.890	N	145.158	E	77		4.2		0.9	20	SOUTH OF MARIANA ISLANDS
28	08	29	59.2*	8.939	N	84.149	W	33	N	3.8		0.9	16	OFF COAST OF COSTA RICA
28	09	41	32.8*	13.299	S	166.306	E	33	N	4.5		1.3	12	VANUATU ISLANDS
28	09	46	24.8?	6.35	S	151.32	E	33	N	4.0		1.0	5	NEW BRITAIN REGION, P.N.G.
28	09	47	10.2*	42.135	S	42.545	E	10	G			0.6	5	PRINCE EDWARD ISLANDS REGION
28	09	47	58.3&	33.124	S	70.412	W	95	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
28	09	53	41.1?	36.69	N	71.05	E	200	G	3.1		1.4	6	AFGHANISTAN-TAJIKISTAN BORD REG.
28	10	28	25.3	37.340	N	20.951	E	10	G	4.2		1.0	28	IONIAN SEA
28	10	45	59.0	4.505	S	125.364	E	450	G	4.4		0.7	22	BANDA SEA
28	10	56	51.6	29.638	S	60.818	E	10	G	5.2	5.4	1.0	71	SOUTHWEST INDIAN RIDGE
28	11	07	16.8	37.235	N	141.311	E	55	D	4.6		1.0	36	NEAR EAST COAST OF HONSHU, JAPAN
28	12	03	22.5	44.128	N	10.207	E	5	G			0.8	12	NORTHERN ITALY. ML 2.8 (LDG), 2.7 (VIE).
28	12	07	37.8	42.504	S	42.686	E	10	G	5.7	6.3	1.1	163	PRINCE EDWARD ISLANDS REGION. Mw 6.8 (HRV), 6.6 (GS).
														Moment Tensor (GS): Dep 15; Principal axes (scale 10**18 Nm): (T) Val=7.53, Plg=9, Azm=147; (N) Val=-0.05, Plg=81, Azm=323; (P) Val=-7.48, Plg=1, Azm=57; Best double couple: Mo=7.5*10**18 Nm; NP1: Strike=192, Dip=83, Slip=174; NP2: Strike=282, Dip=84, Slip=7.
														Centroid, Moment Tensor (HRV): Centroid origin time 12:07:49.6; Lat 42.03 S; Lon 42.75 E; Dep 15.0 Fix; Half-duration 5.2 sec; Principal axes (scale 10**19 Nm): (T) Val=1.49, Plg=2, Azm=144; (N) Val=-0.04, Plg=88, Azm=339; (P) Val=-1.45, Plg=0, Azm=234; Best double couple: Mo=1.5*10**19 Nm; NP1: Strike=279, Dip=88, Slip=1; NP2: Strike=189, Dip=89, Slip=178.
														Scalar Moment (PPT): Mo=3.5*10**19 Nm.
28	12	55	58.4&	18.102	N	99.807	W	33	N			0.6	9	GUERRERO, MEXICO
28	13	31	42.4*	7.188	S	154.956	E	49	D	3.6		0.6	9	SOLOMON ISLANDS
28	13	41	00.7*	6.617	S	129.706	E	33	N	4.6		1.3	20	BANDA SEA
28	13	46	53.8&	63.258	N	151.104	W	6					54	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.1 (PMR).
28	13	55	37.7*	13.403	S	166.316	E	33	N	4.6		1.0	17	VANUATU ISLANDS
28	14	55	27.4&	46.219	N	27.099	E	33	N			1.3	6	ROMANIA
28	14	58	34.6&	40.300	N	124.489	W	21					4	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
28	15	22	39.1*	6.209	S	151.946	E	33	N			1.0	5	NEW BRITAIN REGION, P.N.G.
28	16	22	48.3*	36.180	N	139.954	E	61				1.1	13	EASTERN HONSHU, JAPAN
28	16	24	33.6&	38.284	N	0.685	E	10	G			0.7	5	SPAIN. mbLg 3.2 (MDD).
28	16	48	28.1&	60.707	N	148.268	W	26					65	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
28	16	53	23.3	4.847	N	97.716	E	33	N	4.9		1.1	65	NORTHERN SUMATERA, INDONESIA
28	17	22	42.9	31.179	N	130.362	E	168	D	4.7		1.2	61	KYUSHU, JAPAN
28	17	52	20.6?	31.37	S	69.04	W	100	G			1.0	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (SAN).
28	18	11	15.1	44.600	N	7.258	E	10	G			0.4	18	NORTHERN ITALY. ML 2.1 (GEN), 1.8 (LDG).
28	18	32	05.6	6.365	S	152.098	E	33	N	4.5		0.9	28	NEW BRITAIN REGION, P.N.G.
28	18	54	04.6?	22.83	S	169.71	E	33	N			1.3	7	LOYALTY ISLANDS REGION
28	20	43	00.5*	55.929	S	143.881	W	10	G	4.6	4.7	1.2	13	PACIFIC-ANTARCTIC RIDGE. Mw 5.4 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 20:43:09.9; Lat 55.99 S; Lon 143.34 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.40, Plg=6, Azm=161; (N) Val=-0.06, Plg=82, Azm=22; (P) Val=-1.34, Plg=5, Azm=251; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=296, Dip=82, Slip=1; NP2: Strike=206, Dip=89, Slip=172.
28	20	46	51.8&	45.365	N	5.357	E	5	G			0.4	6	FRANCE. ML 1.6 (LDG).
28	22	34	55.4	31.557	S	179.791	E	400	G	4.4		1.0	43	KERMADEC ISLANDS REGION
28	22	39	24.1	43.934	N	7.938	E	10	G			0.3	14	NEAR SOUTH COAST OF FRANCE. ML 2.1 (GEN), 1.7 (LDG).
28	23	25	51.5&	25.569	N	65.280	E	33	N			1.1	9	PAKISTAN
29	01	24	39.3&	59.671	N	150.881	W	41					24	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
29	01	25	50.9*	14.053	S	166.205	E	33	N			1.1	9	VANUATU ISLANDS
29	01	37	39.3	38.231	N	73.147	E	141	D	4.4		1.0	64	TAJIKISTAN-XINJIANG BORDER REG.
29	01	39	34.6	24.680	N	141.057	E	196	*	4.2		1.0	36	VOLCANO ISLANDS REGION
29	01	50	14.3?	54.24	N	161.46	E	33	N			0.6	7	NEAR EAST COAST OF KAMCHATKA
29	02	22	49.8	17.317	N	94.860	W	133	D	4.7		1.3	94	CHIAPAS, MEXICO
29	02	32	01.9	14.548	N	92.310	W	60	D	4.3		0.8	47	NEAR COAST OF CHIAPAS, MEXICO
29	02	49	53.8	14.785	N	144.392	E	27	D	4.5	4.2	1.1	27	MARIANA ISLANDS
29	02	52	48.2	43.517	N	126.368	W	10	G			0.6	75	OFF COAST OF OREGON
29	03	50	52.8	6.991	S	153.877	E	33	N	5.3	5.1	1.0	125	NEW BRITAIN REGION, P.N.G. Mw 5.5 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 03:50:53.9; Lat 7.08 S; Lon 153.95 E; Dep 15.0 Bdy; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.82, Plg=12, Azm=219; (N) Val=0.12, Plg=18, Azm=125; (P) Val=-1.94, Plg=68, Azm=341; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=332, Dip=37, Slip=-58; NP2: Strike=114, Dip=59, Slip=-111.
29	03	52	00.8	30.373	N	138.539	E	423		4.3		1.1	62	SOUTH OF HONSHU, JAPAN
29	04	42	04.3	14.608	N	144.216	E	33	N	4.6	4.2	1.0	17	MARIANA ISLANDS
29	04	50	48.9*	14.681	N	144.237	E	33	N	4.2		1.1	10	MARIANA ISLANDS
29	05	05	43.7*	4.807	N	97.975	E	170	?	4.0		0.5	13	NORTHERN SUMATERA, INDONESIA
29	05	33	26.8	9.458	N	126.212	E	91	*	4.6		1.1	36	MINDANAO, PHILIPPINE ISLANDS

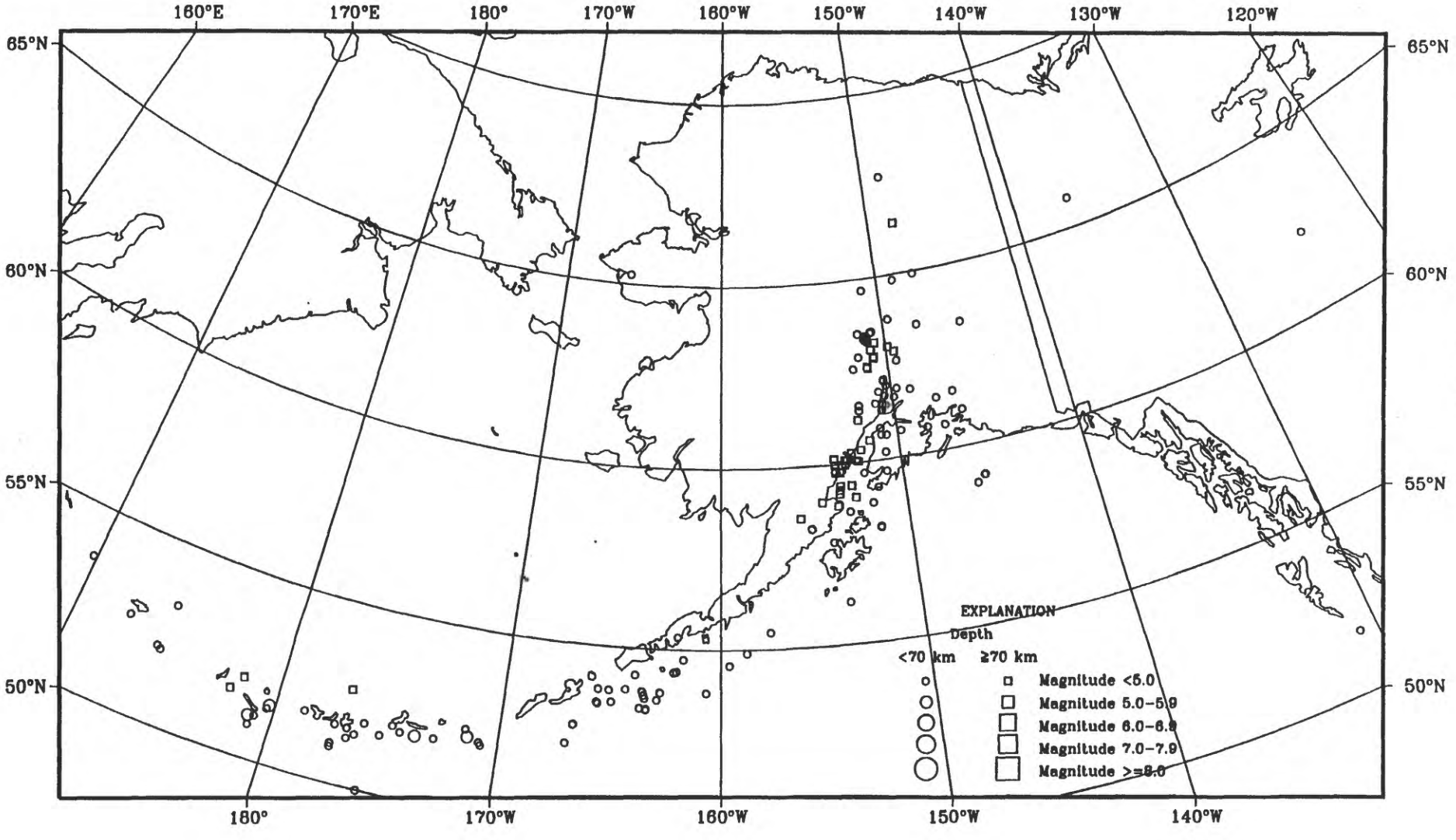
29	07	06	21.6?	32.09	S	71.75	W	10	G			0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
29	07	44	33.5?	42.93	N	143.65	E	33	N	4.0		0.4	7	HOKKAIDO, JAPAN REGION
29	08	04	22.3*	31.958	S	68.987	W	10	G			0.7	10	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
29	08	28	42.7*	4.581	N	97.767	E	100	G	4.2		1.0	12	NORTHERN SUMATERA, INDONESIA
29	09	36	51.5*	5.092	N	98.064	E	100	G	4.6		1.0	20	NORTHERN SUMATERA, INDONESIA
29	09	48	04.3*	4.599	N	97.648	E	100	G	4.3		1.3	19	NORTHERN SUMATERA, INDONESIA
29	10	22	55.7*	53.337	N	142.647	E	33	N	4.0		1.0	11	SAKHALIN ISLAND
29	10	24	54.4*	42.743	S	42.416	E	10	G	4.4	4.2	0.8	18	PRINCE EDWARD ISLANDS REGION
29	11	10	16.5*	5.072	S	127.815	E	359	?	4.4		1.3	10	BANDA SEA
29	11	20	01.7	44.367	N	7.309	E	10	G			0.5	22	NORTHERN ITALY. ML 2.6 (GEN), 2.5 (LDG).
29	12	34	34.5	24.315	N	95.217	E	150	G			0.1	7	MYANMAR
29	13	41	12.4?	33.24	S	72.30	W	10	G			0.4	10	OFF COAST OF CENTRAL CHILE. MD 3.6 (SAN).
29	13	59	38.3?	0.04	N	16.55	W	10	G			0.9	6	NORTH OF ASCENSION ISLAND
29	14	07	05.8?	37.04	N	10.94	W	10	G			0.8	13	NORTH ATLANTIC OCEAN. mbLg 3.6 (MDD).
29	15	11	12.7	51.676	N	16.209	E	5	G			0.6	22	POLAND. ML 3.9 (GRF), 3.4 (VIE).
29	16	24	18.0*	28.228	N	52.961	E	33	N			0.3	7	SOUTHERN IRAN
29	16	31	33.4	31.615	N	138.730	E	306		4.2		0.9	49	SOUTH OF HONSHU, JAPAN
29	16	35	26.8	42.659	N	0.069	E	5	G			0.9	9	PYRENEES. mbLg 2.9 (MDD). ML 2.7 (LDG).
29	17	21	57.9	14.081	N	145.350	E	98	D	5.2		1.2	117	MARIANA ISLANDS. Mw 5.4 (HRV). Felt (V) at Andersen AFB, (IV) at Potts Junction and (III) in the northern part of Guam. Also felt on Saipan. Centroid, Moment Tensor (HRV): Centroid origin time 17:21:59.4; Lat 13.84 N; Lon 145.44 E; Dep 97.2; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.27, Plg=29, Azm=336; (N) Val=0.10, Plg=8, Azm=241; (P) Val=-1.37, Plg=60, Azm=138; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=87, Dip=18, Slip=-63; NP2: Strike=239, Dip=74, Slip=-98.
29	18	51	12.7	14.757	N	144.319	E	33	N	4.6	4.2	0.8	26	MARIANA ISLANDS
29	20	04	49.7?	30.11	N	113.75	W	10	G			1.2	5	GULF OF CALIFORNIA
29	20	45	13.2?	36.26	S	79.31	E	10	G	4.7	4.6	1.5	13	MID-INDIAN RIDGE
29	20	47	28.4*	12.882	S	166.138	E	33	N	4.5		1.1	13	SANTA CRUZ ISLANDS
29	20	47	51.0	41.728	N	141.342	E	100	G	4.6		1.0	68	HOKKAIDO, JAPAN REGION
29	21	13	12.1*	49.295	N	147.272	E	507	*	4.0		1.3	45	SEA OF OKHOTSK
29	21	21	56.7*	21.165	S	171.413	E	18	D	4.6	4.6	1.3	28	LOYALTY ISLANDS REGION
29	21	39	35.6*	29.226	N	130.581	E	33	N	3.2		0.9	8	RYUKYU ISLANDS
29	21	48	38.3?	0.80	N	126.33	E	33	N	4.3		1.1	14	NORTHERN MOLUCCA SEA
29	23	15	03.0	0.129	N	122.982	E	181	D	4.6		1.3	33	MINAHASSA PENINSULA, SULAWESI
29	23	52	17.6	37.438	N	20.851	E	33	N	4.2	3.9	1.4	45	IONIAN SEA
30	00	27	26.9*	22.687	S	179.751	W	600	G	4.2		0.7	17	SOUTH OF FIJI ISLANDS
30	00	55	43.1?	16.57	N	46.26	W	10	G			1.3	6	NORTHERN MID-ATLANTIC RIDGE
30	02	30	46.1?	19.99	S	178.86	W	600	G			0.5	7	FIJI ISLANDS REGION
30	02	38	33.5*	1.003	S	136.726	E	33	N	4.2		1.0	13	IRIAN JAYA REGION, INDONESIA
30	02	46	31.0*	12.979	S	166.091	E	100	G	4.4		1.1	24	SANTA CRUZ ISLANDS
30	03	34	33.2?	19.41	S	178.46	W	500	G	3.7		0.7	7	FIJI ISLANDS REGION
30	03	42	18.8%	35.414	N	4.832	W	10	G			0.6	15	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
30	03	46	28.9?	39.99	N	51.91	E	33	N	3.5		1.3	8	CASPIAN SEA
30	04	00	44.5*	47.604	N	14.154	E	5	G			0.7	8	AUSTRIA. ML 2.8 (GRF), 2.7 (VIE). Felt (IV) at Bad Mitterndorf.
30	04	14	29.8	18.202	S	174.794	W	144	D	4.8		0.7	45	TONGA ISLANDS
30	05	23	54.5%	82.503	N	115.833	E	10	G			1.2	6	NORTH OF SEVERNAYA ZEMLYA
30	05	32	41.8%	34.599	N	139.064	E	33	N			0.7	7	NEAR S. COAST OF HONSHU, JAPAN
30	05	45	56.7	35.384	N	22.494	E	10	G	4.1		1.3	95	CENTRAL MEDITERRANEAN SEA
30	05	49	35.2?	52.26	N	171.54	W	33	N			0.3	5	FOX ISLANDS, ALEUTIAN ISLANDS
30	07	49	22.3?	12.78	S	169.25	E	700	G	4.3		0.7	10	SANTA CRUZ ISLANDS REGION
30	09	15	47.1	53.988	N	159.738	E	88	D	4.5		0.9	54	NEAR EAST COAST OF KAMCHATKA
30	09	21	14.8*	26.040	S	68.793	E	10	G	4.7		0.9	26	SOUTH INDIAN OCEAN
30	10	01	35.0?	45.21	N	6.65	E	5	G			0.2	4	FRANCE. ML 1.9 (LDG).
30	10	04	23.5%	43.635	N	6.676	E	5	G			0.1	5	NEAR SOUTH COAST OF FRANCE. ML 1.9 (LDG).
30	10	13	30.9&	33.513	N	118.020	W	6	G				23	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
30	10	21	02.9*	14.468	N	83.540	W	33	N	4.5		0.9	27	NICARAGUA
30	11	14	15.1%	16.449	N	99.086	W	50	G			0.1	5	NEAR COAST OF GUERRERO, MEXICO
30	11	41	12.4*	20.499	S	178.295	W	550	G	4.2		0.5	17	FIJI ISLANDS REGION
30	12	13	13.7*	5.802	S	148.341	E	33	N	4.0		0.4	6	NEW BRITAIN REGION, P.N.G.
30	12	41	57.6*	17.826	S	178.516	W	600	G	4.6		1.1	33	FIJI ISLANDS REGION
30	12	57	12.9?	34.58	S	70.33	W	5	G			0.1	8	CHILE-ARGENTINA BORDER REGION
30	13	01	08.9*	36.704	N	71.186	E	236	?	3.4		1.4	14	AFGHANISTAN-TAJIKISTAN BORD REG.
30	13	57	02.8	44.594	N	130.548	E	550	G	3.9		1.1	45	E. RUSSIA-N.E. CHINA BORDER REG.
30	15	28	06.1	51.718	N	159.466	E	33	N	4.3		0.9	23	OFF EAST COAST OF KAMCHATKA
30	16	14	38.6*	30.250	N	69.929	E	33	N	4.0		0.9	14	PAKISTAN
30	17	24	58.4?	5.11	S	146.64	E	33	N	3.8		1.5	8	EASTERN NEW GUINEA REG., P.N.G.
30	17	32	10.9?	10.23	N	84.92	W	33	N			0.6	8	COSTA RICA
30	17	55	56.7&	63.030	N	150.904	W	119					71	CENTRAL ALASKA. <AEIC>.
30	18	22	58.4%	51.358	N	1.039	E	5	G			0.9	15	UNITED KINGDOM. ML 2.6 (LDG).
30	18	36	06.6	38.327	N	22.388	E	33	N	4.0		1.3	70	GREECE
30	19	12	20.6&	34.379	N	118.635	W	13					24	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
30	19	18	18.1	45.898	N	16.144	E	10	G			1.3	81	NORTHWESTERN BALKAN REGION. ML 3.8 (ZAG), 3.6 (VIE), 3.5 (ROM). Felt (VI) at Kasina, Croatia.
30	19	47	27.5	51.095	N	177.258	W	33	N	4.7		1.1	81	ANDREANOF ISLANDS, ALEUTIAN IS.
30	21	13	28.4%	33.155	S	70.298	W	5	G			0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
30	21	19	30.4	51.002	N	177.255	W	33	N	4.6		0.9	67	ANDREANOF ISLANDS, ALEUTIAN IS.
30	21	44	09.2	7.831	S	109.198	E	100	G	4.2		0.7	19	JAWA, INDONESIA
30	21	58	56.1?	39.32	N	76.35	E	33	N			0.8	6	SOUTHERN XINJIANG, CHINA
30	22	05	37.1%	45.571	N	26.599	E	130	G			0.8	8	ROMANIA
30	22	19	51.7%	34.182	S	70.914	W	80	G			0.1	10	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
30	22	54	38.9	43.362	N	3.633	W	10	G			1.2	15	SPAIN. ML 2.4 (LDG).
30	22	55	08.2*	36.330	N	70.596	E	152	D	3.5		0.9	18	HINDU KUSH REGION, AFGHANISTAN
30	23	44	39.7%	44.560	N	8.192	E	10	G			0.3	7	NORTHERN ITALY. ML 1.9 (GEN).

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

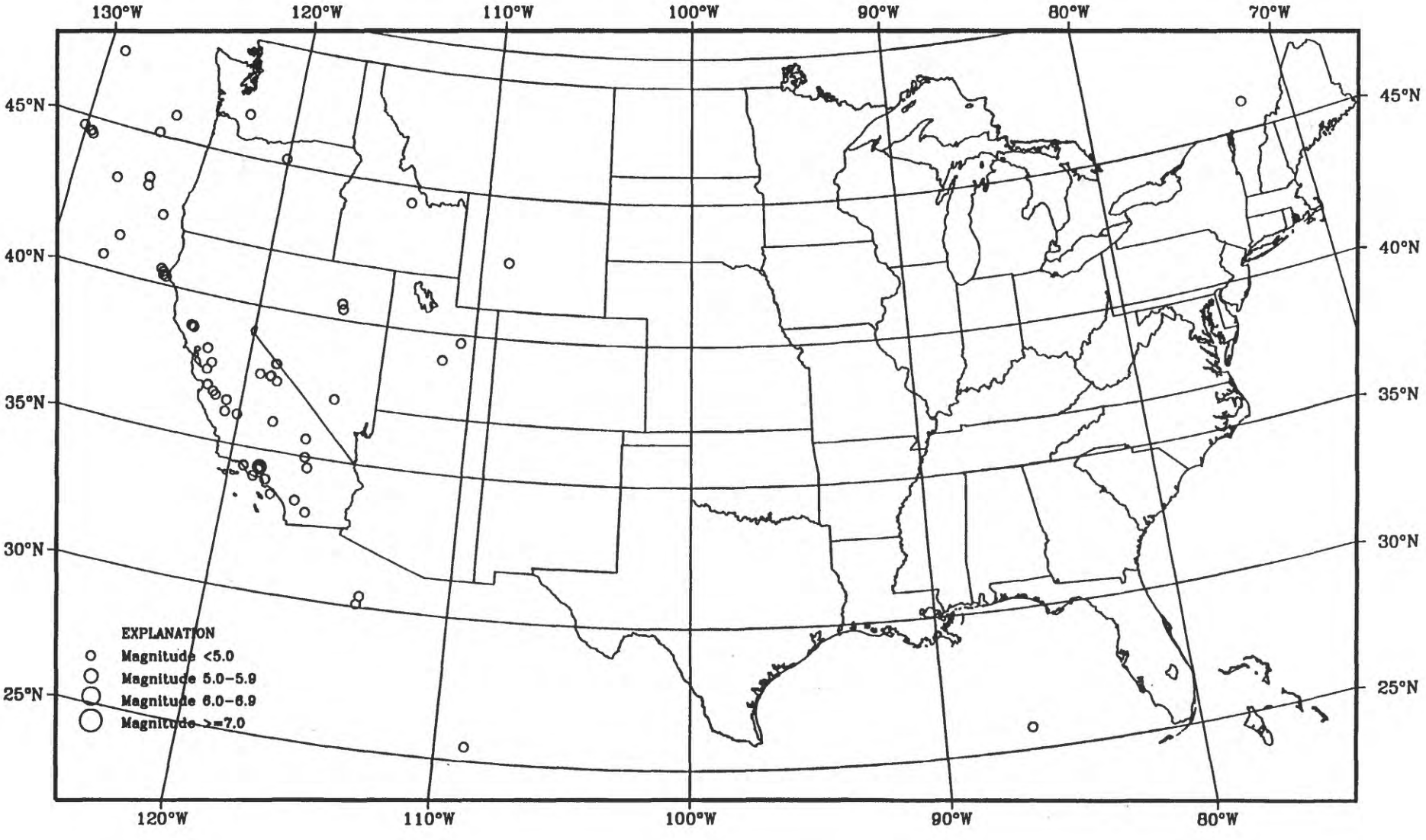
Earthquake Focal Mechanisms for April 1997



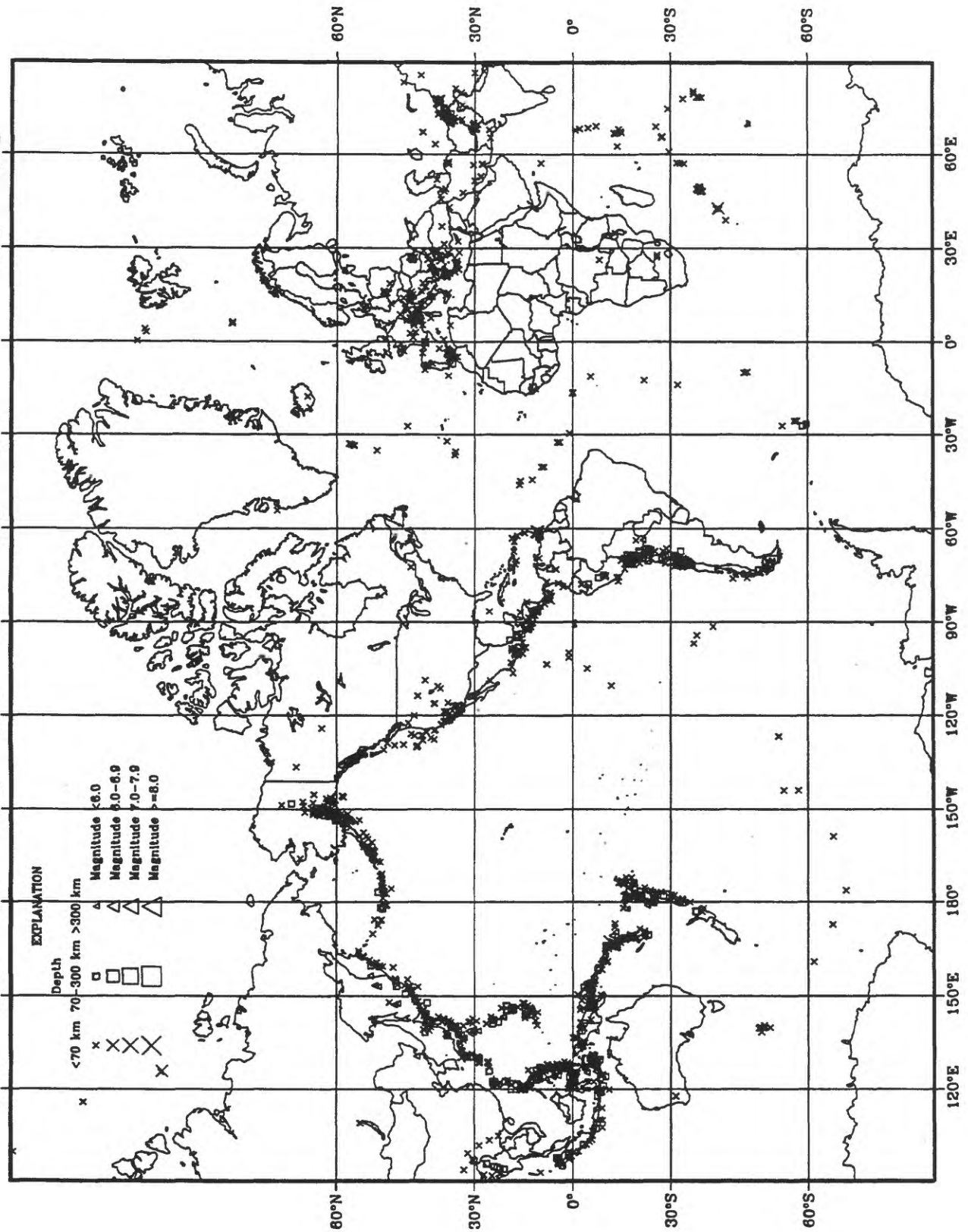
Earthquake epicenters in Alaska and adjacent regions for April 1997



Earthquake epicenters in the conterminous United States and adjacent regions for April 1997



Earthquakes located worldwide in April 1997



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

Preliminary Determination of Epicenters

Monthly Listing

National Earthquake Information Center

MAY 1997

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	36	25.0?	51.21	N	179.31	W	33	N		0.8	11	ANDREANOF ISLANDS, ALEUTIAN IS.
01	00	53	04.7*	51.275	N	179.260	W	33	N	3.8	0.8	13	ANDREANOF ISLANDS, ALEUTIAN IS.
01	00	58	10.8*	13.403	S	166.409	E	33	N	4.6	1.1	12	VANUATU ISLANDS
01	01	08	01.4*	7.871	S	153.733	E	33	N	4.4	1.1	16	NEW BRITAIN REGION, P.N.G.
01	01	45	11.7*	3.000	S	137.028	E	33	N	4.3	1.0	11	IRIAN JAYA, INDONESIA
01	01	58	58.2&	59.860	N	150.889	W	53				89	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
01	02	20	26.8?	45.69	N	6.16	E	10	G		0.0	4	FRANCE. ML 1.6 (LDG).
01	02	36	23.3	50.330	N	1.253	E	5	G		0.9	24	FRANCE. ML 3.0 (LDG).
01	02	41	03.3*	13.383	S	166.376	E	33	N	4.8 4.7	1.1	51	VANUATU ISLANDS
01	03	10	48.8	13.644	S	166.256	E	33	N	5.0 4.8	0.9	85	VANUATU ISLANDS
01	03	22	45.9?	49.77	N	0.67	E	5	G		0.4	5	FRANCE. ML 2.1 (LDG).
01	03	26	06.4*	21.754	S	176.930	W	300	G	4.5	1.0	42	FIJI ISLANDS REGION
01	03	59	08.7*	4.028	S	138.543	E	33	N	4.3	1.2	11	IRIAN JAYA, INDONESIA
01	04	12	28.6	33.081	S	69.320	W	5	G		0.5	13	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN). Felt (III) in Mendoza Province, Argentina.
01	04	42	22.0&	35.533	N	77.227	E	33	N		0.3	6	EASTERN KASHMIR
01	04	56	28.8	0.421	S	19.151	W	10	G	4.5 4.4	0.9	44	CENTRAL MID-ATLANTIC RIDGE
01	05	04	34.1?	18.42	N	68.33	W	150	G		0.3	7	MONA PASSAGE. MD 3.5 (MPR).
01	05	27	31.5?	47.05	N	2.86	W	5	G		0.5	4	FRANCE. ML 1.9 (LDG).
01	05	45	30.6*	51.234	N	179.240	W	33	N	4.4	1.0	47	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
01	06	08	30.6&	44.578	N	7.253	E	10	G		0.4	11	NORTHERN ITALY. ML 2.1 (GEN).
01	06	22	13.3&	34.380	N	118.649	W	13				26	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
01	06	25	38.0?	35.65	N	77.63	E	33	N	3.5	0.9	5	EASTERN KASHMIR
01	07	01	38.5?	14.94	S	176.73	W	300	G	4.1	1.2	26	FIJI ISLANDS REGION
01	07	20	16.0?	7.38	S	120.39	E	100	G	4.5	1.3	14	FLORES SEA
01	08	14	29.0?	20.07	N	143.51	E	33	N		1.0	9	MARIANA ISLANDS REGION
01	09	16	23.1	51.266	N	179.113	W	33	N	4.9	0.9	142	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
01	09	29	55.3&	65.150	N	148.616	W	11				31	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
01	09	42	13.6?	51.34	N	179.95	E	33	N	4.4	0.8	6	RAT ISLANDS, ALEUTIAN ISLANDS
01	09	42	21.7&	46.398	N	153.159	E	33	N		0.6	8	KURIL ISLANDS
01	09	45	15.2*	10.092	N	62.379	W	10	G		1.3	13	NEAR COAST OF VENEZUELA. MD 3.9 (TRN).
01	09	47	47.1*	51.218	N	179.270	W	33	N	4.2	1.0	18	ANDREANOF ISLANDS, ALEUTIAN IS.
01	09	54	39.1&	46.181	N	2.802	E	5	G		0.3	7	FRANCE. ML 2.0 (LDG).
01	10	08	16.4&	32.895	S	70.947	W	70	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
01	10	52	21.9*	20.906	S	178.138	W	550	G	4.3	1.0	15	FIJI ISLANDS REGION
01	11	07	05.9*	18.078	S	172.426	W	33	N	4.5	1.1	20	TONGA ISLANDS REGION
01	11	37	36.1	18.993	N	107.350	W	33	N	6.1 6.8	1.2	344	OFF COAST OF JALISCO, MEXICO. Mw 6.9 (GS), 6.9 (HRV). Me 7.3 (GS). Felt along the coast of Jalisco. Broadband Source Parameters (GS): Dep 10; NP1: Strike=19, Dip=89, Slip=-10; NP2: Strike=109, Dip=80, Slip=-179; Radiated energy 1.8*10**15 Nm. Two events about 2 seconds apart. Depth based on the larger second event. Moment Tensor (GS): Dep 12; Principal axes (scale 10**19 Nm): (T) Val=2.73, Plg=14, Azm=63; (N) Val=-0.09, Plg=76, Azm=241; (P) Val=-2.64, Plg=0, Azm=333; Best double couple: Mo=2.7*10**19 Nm; NP1: Strike=107, Dip=80, Slip=170; NP2: Strike=199, Dip=80, Slip=10. Centroid, Moment Tensor (HRV): Centroid origin time 11:37:40.6; Lat 18.96 N; Lon 107.15 W; Dep 15.0 Fix; Half-duration 7.0 sec; Principal axes (scale 10**19 Nm): (T) Val=2.94, Plg=14, Azm=245; (N) Val=-0.33, Plg=75, Azm=45; (P) Val=-2.60, Plg=5, Azm=154; Best double couple: Mo=2.8*10**19 Nm; NP1: Strike=288, Dip=77, Slip=174; NP2: Strike=20, Dip=84, Slip=13.
01	12	17	40.6?	23.36	S	179.92	E	550	G	4.6	0.9	17	SOUTH OF FIJI ISLANDS
01	12	45	09.8*	16.281	N	96.530	W	100	G	4.1	1.0	28	OAXACA, MEXICO
01	12	51	56.8&	39.379	N	119.761	W	3				3	NEVADA. <GM-P>. MD 2.8 (GM).
01	13	03	44.9?	24.61	S	116.89	W	10	G	4.6	1.0	9	SOUTHERN EAST PACIFIC RISE
01	13	19	36.9?	11.40	N	125.63	E	33	N		1.2	7	SAMAR, PHILIPPINE ISLANDS
01	13	59	33.6	36.729	N	7.591	W	56			1.3	94	STRAIT OF GIBRALTAR. MD 3.9 (MDD). Felt.
01	14	21	52.6	46.553	N	152.754	E	33	N		0.6	26	KURIL ISLANDS

01	14	51	36.3*	7.316	S	128.957	E	150	G	4.1	1.0	10	BANDA SEA
01	14	59	13.4?	19.33	N	107.08	W	33	N		0.9	7	OFF COAST OF JALISCO, MEXICO
01	15	41	37.4*	3.100	N	31.058	W	10	G	4.3	1.3	26	CENTRAL MID-ATLANTIC RIDGE
01	16	25	36.4	18.721	N	107.104	W	33	N	4.7 4.3	1.0	62	OFF COAST OF JALISCO, MEXICO
01	16	41	00.5?	18.86	N	106.93	W	33	N	4.1	1.3	9	OFF COAST OF JALISCO, MEXICO
01	17	29	15.8?	14.35	S	167.77	E	33	N	4.2	1.0	7	VANUATU ISLANDS
01	17	39	11.9*	13.136	S	166.685	E	33	N	4.5	1.2	32	VANUATU ISLANDS
01	18	06	57.4*	13.098	S	166.475	E	33	N	4.7	1.3	62	VANUATU ISLANDS
01	18	23	40.2*	1.981	S	55.574	E	10	G	4.5	1.1	30	SOUTH INDIAN OCEAN
01	18	54	59.7?	13.44	S	166.43	E	33	N		0.9	16	VANUATU ISLANDS
01	19	12	09.1*	37.537	N	56.274	E	33	N	4.7	0.9	10	NORTHERN IRAN
01	19	28	32.9*	0.035	S	16.829	W	10	G	4.2	1.0	18	NORTH OF ASCENSION ISLAND
01	19	30	55.9?	51.97	N	175.43	W	33	N		1.2	5	ANDREANOF ISLANDS, ALEUTIAN IS.
01	19	35	12.2	30.681	N	131.200	E	57	*	4.6 4.7	1.1	36	KYUSHU, JAPAN
01	20	00	16.6	20.076	S	178.135	W	500	G	4.4	0.8	45	FIJI ISLANDS REGION
01	20	22	01.3*	1.406	S	149.764	E	33	N	4.6	0.9	13	NEW IRELAND REGION, P.N.G.
01	20	41	15.6&	39.590	N	122.046	W	19				15	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.0 (BRK). Felt at Chico and Willows.
01	20	46	08.8*	20.726	S	69.974	W	50	G	4.0	1.1	18	NORTHERN CHILE. Felt (III) at Guatacondo, Huara, Laonsana, Pica, Pozo Alamonte and Quillagua; (II) at Iquique.
01	21	13	59.0&	32.731	S	71.272	W	45	G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
01	21	35	18.1?	38.24	N	1.00	W	10	G		0.7	4	SPAIN. MD 2.5 (MDD).
01	21	38	36.0&	49.130	N	112.650	W	5	G			18	ALBERTA, CANADA. <PGC-P>. ML 3.5 (PGC), 3.8 (BUT).
01	21	53	01.4*	18.824	N	145.692	E	100	G	4.9	1.4	33	MARIANA ISLANDS
01	22	07	35.9&	36.049	N	120.606	W	6				9	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.7 (PAS).
01	23	03	37.1*	39.055	N	71.149	E	50	G		1.4	14	TAJIKISTAN
01	23	06	30.3?	6.64	N	104.86	W	10	G		0.9	8	EAST CENTRAL PACIFIC OCEAN
01	23	07	58.8	15.130	N	118.520	E	33	N	4.7 4.2	1.1	49	PHILIPPINE ISLANDS REGION
01	23	10	05.0&	62.971	N	151.047	W	109				51	CENTRAL ALASKA. <AEIC>.
02	00	41	29.5*	56.498	N	162.575	E	33	N	3.9	1.0	25	NEAR EAST COAST OF KAMCHATKA
02	00	47	38.1*	6.864	N	72.992	W	160	*	4.0	1.0	25	NORTHERN COLOMBIA
02	00	52	49.4&	38.032	N	21.758	E	10	G		0.7	6	GREECE
02	01	12	07.1	51.696	N	16.144	E	5	G	3.4	0.7	24	POLAND. ML 3.9 (GRF), 3.5 (VIE).
02	01	49	09.2*	46.114	N	152.447	E	33	N		0.9	11	KURIL ISLANDS
02	01	57	55.9?	20.18	S	177.88	W	500	G	3.8	1.0	13	FIJI ISLANDS REGION
02	02	17	14.1&	60.389	N	152.406	W	108				83	SOUTHERN ALASKA. <AEIC>.
02	03	24	38.6*	29.615	N	68.528	E	33	N	3.9	1.6	9	PAKISTAN
02	05	44	35.2*	3.670	N	95.905	E	33	N	4.6 4.1	1.1	34	OFF W COAST OF NORTHERN SUMATERA
02	05	53	59.1&	59.694	N	152.768	W	91		2.6		80	SOUTHERN ALASKA. <AEIC>.
02	06	14	50.1	29.919	N	67.812	E	33	N	4.3	1.0	26	PAKISTAN
02	06	18	45.1*	6.008	N	72.133	W	33	N	4.1	1.2	15	NORTHERN COLOMBIA
02	06	20	34.0*	37.446	N	21.142	E	10	G	4.3	0.8	12	SOUTHERN GREECE
02	06	22	14.8*	65.407	S	176.810	W	10	G	4.6	0.9	8	PACIFIC-ANTARCTIC RIDGE
02	06	33	09.9?	37.99	N	22.26	E	33	N		1.5	11	SOUTHERN GREECE
02	06	46	44.9?	50.76	N	157.94	E	33	N	3.2	1.1	5	KURIL ISLANDS
02	08	28	57.0?	2.68	S	102.21	E	33	N	4.5	0.5	9	SOUTHERN SUMATERA, INDONESIA
02	08	45	12.8	39.640	N	28.678	E	10	G		1.4	45	TURKEY. MD 3.9 (ISK). Felt at Dursunbey.
02	08	50	16.0*	5.411	S	147.263	E	150	G	4.7	1.1	13	EASTERN NEW GUINEA REG., P.N.G.
02	09	17	30.9&	60.186	N	153.155	W	147				62	SOUTHERN ALASKA. <AEIC>.
02	10	34	37.7&	36.467	N	140.408	E	92	*		0.9	7	NEAR EAST COAST OF HONSHU, JAPAN
02	10	42	48.5	49.139	S	94.710	E	10	G	4.5 4.8	0.8	31	SOUTHEAST INDIAN RIDGE
02	11	07	56.2	13.287	N	89.962	W	33	N	4.9 4.3	0.9	148	EL SALVADOR. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:08:00.0; Lat 13.29 N; Lon 90.55 W; Dep 34.4; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.22, Plg=71, Azm=10; (N) Val=1.49, Plg=4, Azm=111; (P) Val=-6.70, Plg=19, Azm=203; Best double couple: Mo=6.0*10**16 Nm; NP1: Strike=300, Dip=26, Slip=99; NP2: Strike=110, Dip=64, Slip=85.
02	11	37	03.4?	56.96	N	7.07	E	10	G		1.5	5	NORTH SEA
02	11	46	16.2?	44.49	N	7.69	E	5	G		0.3	6	NORTHERN ITALY. ML 2.0 (LDG).
02	12	20	01.0*	39.293	N	76.554	E	33	N	3.6	1.1	20	SOUTHERN XINJIANG, CHINA
02	12	31	05.6&	37.707	N	122.516	W	5				20	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK). Felt in the San Francisco-Daly City-Pacifica area.
02	12	45	33.0*	18.563	N	67.553	W	5	G		0.3	5	MONA PASSAGE. MD 3.2 (MPR).
02	12	59	41.9?	21.34	S	179.34	W	500	G		0.6	6	FIJI ISLANDS REGION
02	13	28	26.1*	3.549	S	128.980	E	50	*	4.9	1.2	23	SERAM, INDONESIA
02	14	28	22.7?	9.91	S	149.98	E	33	N		1.3	5	EASTERN NEW GUINEA REG., P.N.G.
02	14	34	52.5&	59.967	N	152.114	W	78				101	SOUTHERN ALASKA. <AEIC>.
02	15	17	43.8&	34.484	N	116.512	W	1				27	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
02	15	22	14.7?	50.94	N	177.55	W	33	N		0.7	7	ANDREANOF ISLANDS, ALEUTIAN IS.
02	16	44	53.9?	39.44	S	176.43	E	74	?	4.8	1.0	21	NORTH ISLAND, NEW ZEALAND
02	17	03	56.9*	51.134	N	15.658	E	5	G		1.4	6	POLAND. ML 2.1 (CLL).
02	17	05	57.2	51.704	N	16.162	E	5	G		0.8	9	POLAND. ML 2.5 (CLL).
02	17	19	47.0?	51.98	N	171.65	E	33	N	3.8	1.4	10	NEAR ISLANDS, ALEUTIAN ISLANDS
02	18	43	58.9&	63.151	N	152.093	W	19				72	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.6 (PMR).
02	20	09	28.8	29.434	N	80.426	E	33	N	4.6	0.6	17	NEPAL-INDIA BORDER REGION
02	20	21	38.9?	0.50	N	16.57	W	10	G		1.1	7	NORTH OF ASCENSION ISLAND
02	21	30	27.6?	23.71	N	120.22	E	33	N	3.7	1.5	8	TAIWAN
02	21	38	24.5*	27.343	S	176.644	W	33	N	4.6	1.0	12	KERMADEC ISLANDS REGION
02	22	22	04.6	51.646	N	16.303	E	5	G		1.3	11	POLAND. ML 3.1 (VIE).
02	22	47	26.8	6.483	S	147.509	E	71	*	4.7	0.8	31	EASTERN NEW GUINEA REG., P.N.G.
02	22	50	45.5	44.522	N	148.066	E	33	N	4.3	0.7	17	KURIL ISLANDS
02	23	37	29.8*	22.345	N	118.952	E	33	N	3.4	1.3	7	TAIWAN REGION
03	00	28	50.1	42.639	N	12.958	E	10	G		1.2	57	CENTRAL ITALY. ML 3.3 (LDG), 2.7 (LJU).
03	00	39	26.4*	42.583	N	17.687	E	10	G		1.5	19	ADRIATIC SEA. ML 2.7 (LJU).
03	02	02	35.1&	38.588	N	119.858	W	1				5	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
03	02	06	03.2	42.840	N	12.745	E	10	G		1.2	37	CENTRAL ITALY. ML 3.0 (LDG).
03	02	12	16.1*	11.081	S	78.110	W	100	G		1.1	15	OFF COAST OF PERU
03	02	46	15.3	22.393	N	121.473	E	33	N	5.1 5.0	1.1	109	TAIWAN REGION. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:46:17.0; Lat 22.08 N; Lon 120.83 E; Dep 54.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)

Val=2.62, Plg=45, Azm=192; (N) Val=1.83, Plg=44, Azm=26; (P) Val=-4.45, Plg=7, Azm=289; Best double couple: Mo=3.5*10**16 Nm; NP1: Strike=341, Dip=54, Slip=31; NP2: Strike=232, Dip=66, Slip=140.

03	03	20	10.5	42.775	N	12.806	E	10	G			1.4	37	CENTRAL ITALY. ML 3.1 (LDG), 2.7 (LJU).
03	03	25	53.3?	5.69	N	125.26	E	200	G	4.0		1.5	10	MINDANAO, PHILIPPINE ISLANDS
03	03	57	25.7&	40.233	N	141.992	E	100	G			0.9	11	NEAR EAST COAST OF HONSHU, JAPAN
03	04	01	51.8*	42.750	N	12.835	E	10	G			1.4	20	CENTRAL ITALY. ML 3.0 (LDG).
03	04	17	10.5	6.920	S	128.926	E	150	G	4.0		0.8	18	BANDA SEA
03	04	28	11.5*	5.496	S	149.006	E	150	G	4.5		1.0	26	NEW BRITAIN REGION, P.N.G.
03	04	44	03.5&	54.052	N	165.644	W	119					11	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>.
03	04	48	52.5?	27.98	S	179.91	E	500	G	3.9		0.5	10	KERMADEC ISLANDS REGION
03	05	09	15.5&	63.283	N	151.181	W	12					33	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.5 (PMR).
03	06	48	44.0*	18.160	S	173.275	W	33	N	4.5		0.7	11	TONGA ISLANDS
03	07	04	34.7*	5.517	S	147.324	E	185		4.3		0.8	11	EASTERN NEW GUINEA REG., P.N.G.
03	07	26	44.6*	6.588	S	155.001	E	33	N			0.9	9	SOLOMON ISLANDS
03	08	30	42.0*	53.697	N	163.802	W	33	N			0.9	12	UNIMAK ISLAND REGION
03	08	53	35.5?	6.14	S	150.88	E	100	G	4.0		1.2	9	NEW BRITAIN REGION, P.N.G.
03	09	00	07.9?	32.67	S	71.76	W	10	G			0.7	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
03	10	11	22.0?	6.51	S	147.57	E	33	N	3.6		1.7	9	EASTERN NEW GUINEA REG., P.N.G.
03	10	27	46.3&	57.770	N	152.863	W	38					59	KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
03	10	30	33.8?	18.12	N	68.26	W	70	G			0.5	10	MONA PASSAGE. MD 3.8 (MPR).
03	10	31	03.2&	44.467	N	7.440	E	10	G			0.3	10	NORTHERN ITALY. ML 2.4 (GEN).
03	10	42	05.8	27.205	S	176.508	W	33	N	5.2	5.1	0.9	84	KERMADEC ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:42:10.8; Lat 27.10 S; Lon 176.17 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.73, Plg=65, Azm=259; (N) Val=0.01, Plg=7, Azm=6; (P) Val=-1.73, Plg=23, Azm=99; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=204, Dip=23, Slip=110; NP2: Strike=3, Dip=69, Slip=82.
03	10	44	43.3?	26.87	S	176.70	W	40	D			1.3	9	SOUTH OF FIJI ISLANDS
03	11	58	13.1*	70.807	N	6.461	W	10	G			0.9	9	JAN MAYEN ISLAND REGION
03	11	59	36.0*	23.072	S	179.749	W	600	G	4.5		0.8	21	SOUTH OF FIJI ISLANDS
03	12	10	03.1?	2.41	S	139.83	E	33	N	4.2		1.6	14	NEAR NORTH COAST OF IRIAN JAYA
03	12	14	25.0*	37.434	N	20.798	E	33	N	4.1		0.8	13	IONIAN SEA
03	12	40	21.8*	23.917	S	66.658	W	200	G	4.4		1.0	18	JUJUY PROVINCE, ARGENTINA
03	12	51	47.9&	34.372	N	118.670	W	15					32	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt in the San Fernando and Simi Valley areas.
03	14	20	34.6?	16.45	S	179.44	W	500	G			0.8	7	FIJI ISLANDS REGION
03	15	07	41.0*	28.215	S	12.141	W	10	G	4.2		1.1	14	SOUTHERN MID-ATLANTIC RIDGE
03	16	32	28.2?	11.01	N	126.18	E	33	N			1.4	10	PHILIPPINE ISLANDS REGION
03	16	36	53.1*	2.939	N	126.980	E	100	G	4.5		1.0	14	NORTHERN MOLUCCA SEA
03	16	41	53.0&	39.880	N	142.387	E	100	G			1.2	11	NEAR EAST COAST OF HONSHU, JAPAN
03	16	46	02.0	31.791	S	179.382	W	108	D	6.6		1.1	465	KERMADEC ISLANDS REGION. Mw 6.9 (GS), 6.9 (HRV). Me 6.7 (GS). Broadband Source Parameters (GS): Dep 101; NP1: Strike=40, Dip=65, Slip=-75; NP2: Strike=188, Dip=29, Slip=-119; Radiated energy 2.2*10**14 Nm. Moment Tensor (GS): Dep 105; Principal axes (scale 10**19 Nm): (T) Val=2.23, Plg=22, Azm=124; (N) Val=-0.03, Plg=20, Azm=223; (P) Val=-2.20, Plg=59, Azm=351; Best double couple: Mo=2.2*10**19 Nm; NP1: Strike=181, Dip=29, Slip=-135; NP2: Strike=50, Dip=70, Slip=-68. Centroid, Moment Tensor (HRV): Centroid origin time 16:46:09.8; Lat 31.70 S; Lon 179.06 W; Dep 119.3; Half-duration 7.0 sec; Principal axes (scale 10**19 Nm): (T) Val=2.86, Plg=22, Azm=105; (N) Val=-0.11, Plg=40, Azm=214; (P) Val=-2.74, Plg=42, Azm=354; Best double couple: Mo=2.8*10**19 Nm; NP1: Strike=149, Dip=42, Slip=-161; NP2: Strike=45, Dip=77, Slip=-49.
03	16	56	10.6?	31.95	S	179.41	W	200	G			0.8	10	KERMADEC ISLANDS REGION
03	17	07	23.0?	13.77	S	166.04	E	33	N	4.7		1.4	11	VANUATU ISLANDS
03	17	16	20.4*	12.558	S	166.891	E	300	G	4.5		1.2	50	SANTA CRUZ ISLANDS
03	17	59	16.7*	1.491	S	126.545	E	33	N	4.1		1.0	13	SOUTHERN MOLUCCA SEA
03	18	10	03.2&	32.836	S	70.347	W	100	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
03	18	12	36.3	44.129	N	7.136	E	10	G			0.3	15	NORTHERN ITALY. ML 2.1 (GEN), 1.8 (LDG).
03	18	44	06.4*	6.879	N	76.761	W	33	N	3.7		0.8	13	NORTHERN COLOMBIA
03	19	20	41.6	5.436	S	133.898	E	33	N	4.8	4.7	1.2	29	ARU ISLANDS REGION, INDONESIA
03	19	36	54.1*	5.467	S	133.946	E	33	N	4.1		1.1	17	ARU ISLANDS REGION, INDONESIA
03	19	45	39.9?	33.58	S	179.93	W	33	N	4.1		1.5	10	SOUTH OF KERMADEC ISLANDS
03	20	10	02.9*	27.645	N	53.302	E	33	N	3.8		1.4	12	SOUTHERN IRAN
03	20	16	50.2*	31.768	S	178.892	W	33	N	4.5		1.0	18	KERMADEC ISLANDS REGION
03	20	47	08.5*	0.752	S	133.244	E	33	N	4.0		1.1	12	IRIAN JAYA REGION, INDONESIA
03	20	52	53.8*	1.221	S	126.866	E	33	N	4.3		1.2	14	SOUTHERN MOLUCCA SEA
03	21	04	28.7?	21.10	N	143.11	E	33	N			1.4	12	MARIANA ISLANDS REGION
03	21	08	17.0	43.320	N	145.175	E	102	D	4.8		0.8	33	HOKKAIDO, JAPAN REGION
03	22	39	16.6	11.001	N	60.857	W	5	G	4.9		1.0	71	WINDWARD ISLANDS. MD 4.5 (TRN). Felt in northern Trinidad and on Tobago.
03	22	53	53.1	6.764	S	105.431	E	33	N	4.9		1.0	41	SUNDA STRAIT
03	22	54	16.7*	33.528	S	138.623	E	33	N	4.8		1.1	8	NEAR SOUTH COAST OF AUSTRALIA
03	23	22	08.9*	22.538	S	10.697	W	10	G	4.5		1.1	33	SOUTHERN MID-ATLANTIC RIDGE
03	23	29	36.2*	38.826	S	74.572	W	33	N			0.6	11	OFF COAST OF CENTRAL CHILE
03	23	32	31.2	22.564	S	10.645	W	10	G	5.0		0.7	75	SOUTHERN MID-ATLANTIC RIDGE
03	23	49	44.8&	48.496	N	121.711	W	0	G				35	WASHINGTON. <SEA-P>. MD 3.1 (SEA).
03	23	49	56.8	43.349	N	127.715	W	10	G	3.0		0.4	39	OFF COAST OF OREGON
04	00	16	52.2&	74.711	N	14.695	E	10	G			1.0	6	NORWEGIAN SEA
04	01	11	04.6&	17.475	N	62.258	W	33	N			0.4	6	LEEWARD ISLANDS. MD 3.5 (TRN).
04	01	33	20.9*	23.621	S	67.066	W	250	G	4.6		1.5	8	CHILE-ARGENTINA BORDER REGION
04	01	44	50.7	11.027	N	60.975	W	5	G	5.4	4.9	0.9	211	WINDWARD ISLANDS. Mw 5.5 (HRV). MD 5.2 (TRN). Felt in northern Trinidad and on Tobago. Centroid, Moment Tensor (HRV): Centroid origin time 01:44:55.9; Lat 11.20 N; Lon 61.12 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T)

														Val=2.02, Plg=8, Azm=195; (N) Val=0.21, Plg=27, Azm=289; (P) Val=-2.23, Plg=61, Azm=90; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=257, Dip=44, Slip=-131; NP2: Strike=127, Dip=59, Slip=-58.
04	02	37	08.2	44.117	N	6.964	E	5	G			0.2	17	FRANCE. ML 2.0 (GEN), 1.5 (LDG).
04	03	26	29.2	43.285	N	135.309	E	400	G	4.4		1.0	68	NEAR SOUTHEAST COAST OF RUSSIA
04	03	39	02.1*	18.752	N	147.227	E	33	N	4.7		0.9	11	MARIANA ISLANDS REGION
04	03	39	12.9&	31.000	N	87.400	W	5	G				10	ALABAMA. <MACRO>. mbLg 3.1 (GS). Felt at Brewton and Flomaton.
04	03	58	17.0*	26.643	N	54.436	E	33	N	4.3		1.2	13	SOUTHERN IRAN
04	03	58	21.1	22.114	S	175.763	W	33	N	5.2	4.6	0.9	103	TONGA ISLANDS REGION. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:58:27.7; Lat 22.14 S; Lon 175.17 W; Dep 67.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.26, Plg=74, Azm=339; (N) Val=-1.69, Plg=15, Azm=176; (P) Val=-4.57, Plg=4, Azm=84; Best double couple: Mo=5.4*10**16 Nm; NP1: Strike=158, Dip=43, Slip=67; NP2: Strike=8, Dip=51, Slip=110.
04	04	00	43.1*	48.242	N	154.878	E	33	N	3.9		1.1	13	KURIL ISLANDS
04	04	36	12.5	1.217	N	122.163	E	33	N	4.7		1.2	29	MINAHASSA PENINSULA, SULAWESI
04	05	30	05.1?	19.99	S	178.00	W	500	G	4.0		0.9	14	FIJI ISLANDS REGION
04	05	49	02.4?	2.04	N	127.10	E	33	N			1.4	6	NORTHERN MOLUCCA SEA
04	05	56	39.1?	48.25	N	155.07	E	33	N			0.4	6	KURIL ISLANDS
04	06	16	21.0*	30.329	N	68.084	E	33	N	3.5		1.3	10	PAKISTAN
04	06	37	23.1?	11.06	N	88.25	W	33	N	3.8		0.6	5	OFF COAST OF CENTRAL AMERICA
04	06	38	29.2?	5.89	S	147.85	E	150	G			1.4	7	EASTERN NEW GUINEA REG., P.N.G.
04	06	56	23.4&	60.507	N	149.176	W	28					70	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
04	06	57	36.7?	19.88	S	66.49	W	33	N			0.4	5	SOUTHERN BOLIVIA
04	07	01	08.1?	5.84	S	146.77	E	100	G	3.7		1.5	10	EASTERN NEW GUINEA REG., P.N.G.
04	07	19	22.9%	28.995	N	76.570	E	33	N			0.5	8	NORTHERN INDIA
04	07	31	55.8%	27.544	N	92.571	E	33	N			0.8	12	EASTERN XIZANG-INDIA BORDER REG.
04	07	36	00.3*	11.324	N	61.024	W	5	G	3.6		0.9	9	WINDWARD ISLANDS
04	07	57	43.4?	4.03	S	150.90	E	33	N	4.3		1.5	10	NEW BRITAIN REGION, P.N.G.
04	08	03	06.6	0.727	N	96.408	E	30	D	4.9	4.3	1.0	44	OFF W COAST OF NORTHERN SUMATERA
04	08	24	42.3%	33.050	S	70.423	W	100	G			0.2	9	CHILE-ARGENTINA BORDER REGION
04	08	57	11.7&	63.371	N	145.179	W	4					75	CENTRAL ALASKA. <AEIC>. ML 3.5 (AEIC), 3.9 (PMR).
04	09	04	51.8*	23.977	S	66.735	W	200	G	4.0		0.8	10	JUJUY PROVINCE, ARGENTINA
04	09	10	07.7?	34.30	S	72.09	W	10	G			0.5	10	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
04	09	22	37.6?	44.37	N	7.40	E	10	G			0.3	4	NORTHERN ITALY. ML 1.6 (GEN).
04	09	30	45.3*	9.641	S	160.480	E	33	N	4.0		1.3	13	SOLOMON ISLANDS
04	09	37	55.9	31.816	S	179.492	W	150	G	5.0		1.1	80	KERMADEC ISLANDS REGION
04	09	47	43.0*	5.166	S	153.359	E	33	N	4.0		0.7	7	NEW IRELAND REGION, P.N.G.
04	09	49	27.6?	49.81	S	110.87	E	10	G	4.0		1.3	11	SOUTHEAST INDIAN RIDGE
04	10	16	36.0&	60.545	N	152.195	W	84					13	SOUTHERN ALASKA. <AEIC>.
04	11	26	40.8?	31.45	S	69.82	W	170	G			0.3	10	SAN JUAN PROVINCE, ARGENTINA. MD 2.7 (SAN).
04	11	43	45.5?	36.08	S	178.04	E	100	G	4.6		0.7	7	OFF E. COAST OF N. ISLAND, N.Z.
04	12	14	43.7*	36.090	N	70.278	E	33	N	3.9		1.4	12	HINDU KUSH REGION, AFGHANISTAN
04	12	26	06.6%	42.691	N	0.942	E	5	G			1.5	6	PYRENEES. ML 2.5 (LDG).
04	13	45	10.0*	52.401	N	169.331	W	33	N	3.3		0.7	17	FOX ISLANDS, ALEUTIAN ISLANDS
04	13	53	06.1?	16.65	N	95.15	W	33	N	3.7		1.3	7	OAXACA, MEXICO
04	14	20	49.7	15.911	N	147.644	E	48	D	4.1		1.0	25	MARIANA ISLANDS REGION
04	14	22	30.6?	10.44	N	62.24	W	5	G			1.1	5	NEAR COAST OF VENEZUELA. MD 3.2 (TRN).
04	14	39	24.8%	11.007	N	60.919	W	10	G			0.3	5	WINDWARD ISLANDS. MD 2.7 (TRN).
04	15	07	51.9*	16.205	S	174.189	W	123	*	4.8		1.1	32	TONGA ISLANDS
04	15	17	55.9%	11.060	N	60.930	W	5	G			0.4	5	WINDWARD ISLANDS. MD 2.6 (TRN).
04	16	11	10.3*	16.350	S	174.025	W	57	*	4.3		1.0	23	TONGA ISLANDS
04	16	21	35.3	44.605	N	7.267	E	10	G			0.4	21	NORTHERN ITALY. ML 2.2 (GEN), 2.0 (LDG).
04	17	11	09.4	33.811	S	71.315	W	50	G			0.2	11	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN). Felt (III) at Santiago.
04	17	33	02.0%	11.059	N	60.779	W	10	G			0.4	5	WINDWARD ISLANDS. MD 2.8 (TRN).
04	18	12	07.4*	11.068	N	60.636	W	10	G			0.7	6	WINDWARD ISLANDS. MD 3.0 (TRN).
04	18	49	28.3%	11.047	N	60.960	W	10	G			0.5	5	WINDWARD ISLANDS. MD 2.4 (TRN).
04	19	10	58.1&	59.448	N	153.607	W	124					15	SOUTHERN ALASKA. <AEIC>.
04	19	14	32.5%	11.037	N	60.921	W	10	G			0.7	6	WINDWARD ISLANDS. MD 2.3 (TRN).
04	19	19	55.0*	16.424	S	173.847	W	33	N	4.7		1.0	20	TONGA ISLANDS
04	19	31	43.6*	1.302	N	118.223	E	33	N	3.9		0.5	10	BORNEO
04	19	32	28.2*	13.804	N	142.080	E	33	N	3.5		0.5	8	SOUTH OF MARIANA ISLANDS
04	20	08	16.9	11.098	N	60.739	W	5	G	3.7		0.6	10	WINDWARD ISLANDS. MD 3.3 (TRN).
04	20	16	26.4?	31.39	S	178.57	W	33	N	3.9		0.9	13	KERMADEC ISLANDS REGION
04	20	31	43.0*	1.144	S	137.168	E	33	N	4.4		0.8	15	NEAR NORTH COAST OF IRIAN JAYA
04	20	55	06.9	21.482	N	144.648	E	144	D	4.1		0.8	26	MARIANA ISLANDS REGION
04	21	00	49.9	57.336	N	33.309	W	10	G	4.2		0.9	21	NORTH ATLANTIC OCEAN
04	21	09	14.7?	49.97	S	110.76	E	10	G	4.1		0.8	9	SOUTHEAST INDIAN RIDGE
04	21	25	55.8*	49.875	S	111.238	E	10	G	4.7	4.7	0.9	26	SOUTHEAST INDIAN RIDGE
04	21	27	05.0%	11.032	N	60.919	W	10	G			0.5	6	WINDWARD ISLANDS. MD 2.6 (TRN).
04	22	16	36.7*	46.235	N	153.148	E	100	G	4.4		1.2	41	KURIL ISLANDS
04	22	39	17.8%	11.072	N	60.939	W	5	G			0.6	19	WINDWARD ISLANDS. MD 4.5 (TRN).
04	22	53	23.2	57.258	N	33.391	W	10	G	4.9		1.3	127	NORTH ATLANTIC OCEAN
04	22	57	21.3	57.219	N	33.469	W	10	G	5.0	5.1	1.3	142	NORTH ATLANTIC OCEAN
05	00	31	00.9?	62.09	S	158.70	W	10	G	4.3		1.2	7	PACIFIC-ANTARCTIC RIDGE
05	01	18	40.9*	10.012	N	93.587	E	100	G	4.4		1.5	14	ANDAMAN ISLANDS, INDIA
05	01	21	10.1?	19.72	S	177.29	W	400	G	4.2		1.0	11	FIJI ISLANDS REGION
05	01	34	26.2&	63.273	N	151.427	W	7					65	CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC), 3.8 (PMR).
05	01	48	41.7	41.319	N	139.987	E	33	N	4.9		0.9	122	HOKKAIDO, JAPAN REGION
05	02	17	45.4?	37.06	S	93.34	W	10	G	4.3		0.4	8	WEST CHILE RISE
05	04	25	52.4*	9.199	S	158.137	E	33	N	4.5		1.2	27	SOLOMON ISLANDS
05	04	32	33.6?	73.02	N	5.34	E	10	G			0.8	6	GREENLAND SEA
05	04	33	39.1	14.886	N	119.709	E	33	N	4.7		0.8	27	LUZON, PHILIPPINE ISLANDS
05	04	57	24.7%	33.313	S	70.297	W	110	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
05	05	22	23.6*	5.111	S	152.220	E	33	N	4.1		0.9	10	NEW BRITAIN REGION, P.N.G.
05	05	26	40.4?	40.85	N	143.35	E	33	N			1.1	6	OFF EAST COAST OF HONSHU, JAPAN
05	05	44	17.3	14.906	N	119.889	E	33	N	5.3	5.0	1.0	93	LUZON, PHILIPPINE ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time

05:44:21.8; Lat 15.08 N; Lon 119.74 E; Dep 42.0 Bdy; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.84, Plg=61, Azm=152; (N) Val=-0.36, Plg=21, Azm=19; (P) Val=-1.48, Plg=19, Azm=281; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=341, Dip=32, Slip=47; NP2: Strike=208, Dip=67, Slip=113.

05	06	00	39.0&	63.500	N	150.869	W	10				43	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.5 (PMR).
05	06	44	38.6?	33.71	S	179.56	W	33	N	4.3	0.8	6	SOUTH OF KERMADEC ISLANDS
05	06	56	42.2*	45.915	N	153.064	E	200	G	3.2	1.0	8	EAST OF KURIL ISLANDS
05	07	10	15.0&	66.337	N	142.371	W	23				48	NORTHERN ALASKA. <AEIC>. ML 4.4 (AEIC).
05	07	40	38.0%	34.499	S	70.398	W	5	G		0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
05	07	50	58.8	4.451	S	143.278	E	92		4.8	1.2	40	NEW GUINEA, PAPUA NEW GUINEA
05	09	11	26.9?	37.04	N	71.80	E	33	N		1.3	5	AFGHANISTAN-TAJIKISTAN BORD REG.
05	09	46	01.8*	39.485	N	144.480	E	33	N	3.6	1.3	7	OFF EAST COAST OF HONSHU, JAPAN
05	10	02	15.3?	32.24	N	138.30	E	33	N		1.5	6	SOUTH OF HONSHU, JAPAN
05	10	30	42.9&	34.299	N	118.431	W	10				26	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
05	10	55	30.2?	12.70	N	144.78	E	75	*	4.4	0.5	9	SOUTH OF MARIANA ISLANDS
05	12	00	32.0*	5.516	S	152.712	E	33	N	3.9	0.8	6	NEW BRITAIN REGION, P.N.G.
05	12	02	21.1%	42.754	N	12.627	E	10	G		1.2	12	CENTRAL ITALY. MD 3.4 (ROM).
05	12	03	07.8*	42.306	N	12.748	E	10	G		1.4	18	CENTRAL ITALY. ML 3.3 (LDG), 3.3 (VIE).
05	13	00	28.0?	31.49	S	178.59	W	33	N	4.5	0.6	6	KERMADEC ISLANDS REGION
05	13	21	07.7*	27.131	N	53.824	E	33	N	4.0	1.1	20	SOUTHERN IRAN
05	13	24	14.3	29.514	N	138.436	E	450	G	4.5	1.0	84	SOUTH OF HONSHU, JAPAN
05	13	48	49.0*	27.123	N	53.964	E	33	N		1.0	9	SOUTHERN IRAN
05	15	11	54.0	27.099	N	53.885	E	33	N	5.0	1.0	116	SOUTHERN IRAN. Mw 5.1 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 15:11:57.6; Lat 27.16 N; Lon 53.42 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.05, Plg=61, Azm=270; (N) Val=-2.76, Plg=29, Azm=90; (P) Val=-3.29, Plg=0, Azm=180; Best double couple: Mo=4.7*10**16 Nm; NP1: Strike=296, Dip=52, Slip=128; NP2: Strike=64, Dip=52, Slip=52.

05	15	39	52.4*	27.093	N	53.842	E	33	N	3.8	0.5	13	SOUTHERN IRAN
05	15	39	59.3*	37.377	N	20.936	E	33	N		1.0	10	IONIAN SEA
05	15	47	33.8*	27.031	N	53.857	E	33	N	3.9	0.8	16	SOUTHERN IRAN
05	15	49	47.7*	26.957	N	53.844	E	33	N	3.6	1.1	10	SOUTHERN IRAN
05	16	00	29.5*	27.041	N	53.925	E	33	N	3.8	0.6	12	SOUTHERN IRAN
05	16	30	10.0%	27.054	N	53.823	E	33	N		0.8	10	SOUTHERN IRAN
05	16	33	50.1	43.772	N	147.814	E	33	N	4.3 3.8	0.8	18	KURIL ISLANDS
05	16	35	32.1%	27.041	N	53.928	E	33	N		0.6	9	SOUTHERN IRAN
05	16	35	57.4*	27.050	N	53.895	E	33	N	3.8	1.2	15	SOUTHERN IRAN
05	16	56	00.1*	30.350	N	139.016	E	400	G		0.8	13	SOUTH OF HONSHU, JAPAN
05	17	27	46.3*	63.284	S	172.509	E	10	G	4.6	0.9	8	BALLENY ISLANDS REGION
05	17	34	37.9*	20.521	S	178.543	W	550	G	4.0	0.7	11	FIJI ISLANDS REGION
05	17	58	58.8?	4.20	N	103.52	W	10	G	4.1	1.0	12	EAST CENTRAL PACIFIC OCEAN
05	18	34	57.5*	42.937	N	1.710	W	5	G		0.6	13	PYRENEES. ML 2.5 (LDG), 2.1 (STR).
05	19	23	30.2?	18.86	N	101.34	W	86	D	4.1	1.3	24	GUERRERO, MEXICO
05	19	39	21.9&	37.608	N	118.839	W	10				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.0 (BRK).
05	19	43	58.2?	13.13	S	166.94	E	33	N		1.3	8	VANUATU ISLANDS
05	20	07	00.9*	13.325	S	166.053	E	33	N	4.5	1.4	20	VANUATU ISLANDS
05	21	09	59.5*	4.551	N	128.265	E	100	G	4.2	1.1	14	NORTH OF HALMAHERA, INDONESIA
05	21	15	17.8*	34.795	N	23.876	E	33	N		1.2	13	CRETE
05	21	19	49.2*	39.515	N	141.641	E	85	?	3.2	0.6	8	EASTERN HONSHU, JAPAN
05	21	51	27.9?	50.99	N	178.63	E	33	N	3.4	1.6	5	RAT ISLANDS, ALEUTIAN ISLANDS
05	22	29	34.4?	17.93	S	176.99	W	33	N	4.5	1.0	10	FIJI ISLANDS REGION
05	22	46	37.7*	4.575	S	69.054	E	10	G	4.9	1.0	13	CHAGOS ARCHIPELAGO REGION
05	23	22	59.4&	53.401	N	165.607	W	25				7	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.8 (AEIC).
05	23	26	21.7?	16.94	S	177.00	W	33	N	4.3	1.2	10	FIJI ISLANDS REGION
06	00	44	25.9*	3.167	S	142.340	E	33	N	4.2	1.0	13	NEAR N COAST OF NEW GUINEA, PNG.
06	00	47	11.7*	72.667	N	3.886	E	33	N	3.9	0.9	9	NORWEGIAN SEA
06	01	06	13.5&	63.267	N	151.095	W	9				15	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
06	01	21	50.8	6.028	N	126.892	E	138	*	5.1	0.9	54	MINDANAO, PHILIPPINE ISLANDS
06	01	31	23.7&	61.564	N	149.718	W	31		4.9		247	SOUTHERN ALASKA. <AEIC>. Mw 5.3 (HRV). ML 4.9 (AEIC), 4.9 (PMR). Felt (V) at Big Lake; (IV) at Anchorage, Butte, Palmer and Wasilla; (III) at Cordova.

Centroid, Moment Tensor (HRV): Centroid origin time 01:31:28.7; Lat 61.49 N; Lon 149.71 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.74, Plg=36, Azm=10; (N) Val=0.23, Plg=4, Azm=103; (P) Val=-9.97, Plg=54, Azm=198; Best double couple: Mo=9.9*10**16 Nm; NP1: Strike=80, Dip=10, Slip=-113; NP2: Strike=283, Dip=81, Slip=-86.

06	01	43	46.4%	46.651	N	4.424	E	5	G		1.0	8	FRANCE. ML 2.0 (LDG).
06	01	55	23.1?	25.34	S	179.59	E	500	G	4.6	0.8	12	SOUTH OF FIJI ISLANDS
06	02	31	37.9&	58.102	N	154.946	W	92		3.1		17	ALASKA PENINSULA. <AEIC>.
06	02	49	37.5%	32.018	S	69.973	W	120	G		0.3	10	MENDOZA PROVINCE, ARGENTINA. MD 3.3 (SAN).
06	02	57	46.8%	25.250	N	93.664	E	33	N		0.9	13	NORTHEASTERN INDIA
06	02	59	45.4?	1.01	N	120.48	E	33	N	4.0	0.7	8	MINAHASSA PENINSULA, SULAWESI
06	03	17	58.5	44.284	N	147.764	E	33	N	4.4	0.8	27	KURIL ISLANDS
06	03	39	47.4?	13.67	S	166.48	E	33	N		1.2	6	VANUATU ISLANDS
06	04	38	18.9&	59.974	N	152.622	W	97				14	SOUTHERN ALASKA. <AEIC>.
06	04	41	16.8%	33.091	S	71.499	W	50	G		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.0 (SAN).
06	05	13	22.2*	35.836	S	69.885	W	175		3.7	0.8	18	MENDOZA PROVINCE, ARGENTINA. MD 3.6 (SAN).
06	05	53	19.3?	5.47	S	152.82	E	33	N	3.4	1.6	5	NEW BRITAIN REGION, P.N.G.
06	06	39	12.5*	39.271	N	76.479	E	100	G	3.4	1.3	14	SOUTHERN XINJIANG, CHINA
06	06	45	44.0?	18.13	S	169.17	E	200	G	4.3	0.9	13	VANUATU ISLANDS
06	06	55	07.9*	22.346	S	179.735	W	600	G	4.6	0.8	26	SOUTH OF FIJI ISLANDS
06	07	30	28.2?	20.76	S	175.85	W	200	G	3.5	0.5	7	TONGA ISLANDS
06	07	43	35.2*	32.461	S	179.825	W	100	G	4.4	0.7	16	SOUTH OF KERMADEC ISLANDS
06	08	53	30.3*	13.351	S	166.396	E	33	N	4.4	1.0	27	VANUATU ISLANDS
06	09	47	25.3&	62.260	N	149.098	W	44				16	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PMR).
06	09	48	15.9?	4.94	S	133.43	E	33	N	3.5	1.2	6	IRIAN JAYA REGION, INDONESIA

06	10	41	06.0&	44.838	N	7.575	E	33	N			0.5	13	NORTHERN ITALY. ML 2.2 (GEN).
06	11	19	54.8&	63.536	N	150.725	W	14					17	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.3 (PMR).
06	11	42	37.1?	11.38	N	62.06	W	100	G			0.3	4	WINDWARD ISLANDS. MD 2.7 (TRN).
06	13	22	22.4	24.591	S	179.414	W	500	G	4.1		0.7	28	SOUTH OF FIJI ISLANDS
06	13	37	26.3*	35.442	N	139.308	E	150	G	4.1		0.9	9	NEAR S. COAST OF HONSHU, JAPAN
06	14	53	13.2?	42.30	N	12.71	E	10	G			1.2	14	CENTRAL ITALY. ML 3.2 (LDG), 3.0 (VIE).
06	15	12	35.6?	4.82	S	81.21	W	33	N	3.7		1.1	7	NEAR COAST OF NORTHERN PERU
06	15	12	45.8?	22.02	S	175.58	W	33	N	4.2		1.2	10	TONGA ISLANDS REGION
06	15	48	41.8&	44.349	N	7.295	E	10	G			0.4	6	NORTHERN ITALY. ML 1.6 (GEN).
06	17	07	49.3*	20.689	N	121.004	E	33	N	4.1		0.7	8	PHILIPPINE ISLANDS REGION
06	17	12	08.7?	53.77	N	165.57	W	33	N	4.0		1.3	12	FOX ISLANDS, ALEUTIAN ISLANDS
06	17	40	47.0*	49.782	S	122.689	E	10	G			1.1	10	SOUTH OF AUSTRALIA
06	18	06	56.6&	32.634	S	71.114	W	10	G			0.3	9	NEAR COAST OF CENTRAL CHILE
06	18	42	13.1	6.177	S	149.033	E	62		4.7		1.0	35	NEW BRITAIN REGION, P.N.G.
06	18	44	26.5?	18.11	S	178.53	W	550	G			1.2	11	FIJI ISLANDS REGION
06	18	53	22.8&	34.972	N	116.811	W	1					27	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
06	19	12	53.7&	35.453	N	118.431	W	6	G	4.3			69	CENTRAL CALIFORNIA. <PAS-P>. ML 4.5 (PAS). Felt in the Lake Isabella area.
06	19	26	58.7	10.646	N	62.650	W	89		4.1		0.9	30	NEAR COAST OF VENEZUELA. MD 3.9 (TRN).
06	19	38	32.1&	62.923	N	151.299	W	115					12	CENTRAL ALASKA. <AEIC>.
06	19	39	25.9?	19.42	S	173.67	W	33	N	4.4		1.2	12	TONGA ISLANDS
06	19	40	33.8*	44.275	N	7.611	W	10	G			0.9	28	NORTH ATLANTIC OCEAN. ML 3.9 (LDG). mbLg 3.8 (MDD).
06	19	46	41.8*	44.318	N	7.700	W	10	G			1.2	28	NORTH ATLANTIC OCEAN. mbLg 3.7 (MDD). ML 3.6 (LDG).
06	19	53	55.8?	13.68	S	67.18	W	650	G	3.5		1.0	10	NORTHERN BOLIVIA
06	20	06	32.9*	43.860	N	147.707	E	33	N			1.1	20	KURIL ISLANDS
06	20	45	37.3?	13.67	S	166.28	E	33	N			0.6	9	VANUATU ISLANDS
06	22	17	58.7	12.249	N	93.357	E	72	*	5.0		0.9	42	ANDAMAN ISLANDS, INDIA
06	22	59	13.8&	59.204	N	153.044	W	85					19	SOUTHERN ALASKA. <AEIC>.
06	23	03	11.6	22.853	N	143.469	E	65	*	4.5		0.9	34	VOLCANO ISLANDS REGION
07	00	10	52.9*	10.608	S	166.154	E	150	G	4.2		1.1	21	SANTA CRUZ ISLANDS
07	01	18	02.5*	1.596	N	97.834	E	33	N	4.4		1.1	16	NORTHERN SUMATERA, INDONESIA
07	01	28	53.0?	19.09	N	66.79	W	100	G			0.6	9	PUERTO RICO REGION. MD 3.5 (MPR).
07	02	15	43.3	10.580	S	75.414	W	33	N	5.1	4.0	0.8	120	CENTRAL PERU
07	02	55	48.9&	36.945	N	3.988	W	5	G			0.8	10	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
07	03	00	34.6*	52.000	N	171.631	W	33	N			0.7	6	FOX ISLANDS, ALEUTIAN ISLANDS
07	03	04	51.7	29.496	N	67.693	E	33	N	4.5		1.0	24	PAKISTAN
07	03	51	21.9*	1.439	N	123.020	E	50	G	4.4		1.2	17	MINAHASSA PENINSULA, SULAWESI
07	04	47	43.9*	80.096	N	0.013	W	10	G			1.5	15	NORTH OF SVALBARD
07	04	58	25.7	42.726	N	12.375	E	5	G			1.3	25	CENTRAL ITALY. ML 3.2 (LDG), 2.9 (VIE).
07	05	45	26.6?	26.83	N	140.80	E	486	*			1.4	8	BONIN ISLANDS REGION
07	06	16	00.3?	32.16	S	70.96	W	70	G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
07	08	43	36.2&	62.193	N	150.302	W	15					50	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
07	09	15	05.2?	10.32	N	61.33	W	40	G			0.3	4	TRINIDAD. MD 2.8 (TRN).
07	09	17	50.0?	36.88	N	7.24	W	33	N			1.0	9	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
07	09	23	47.7?	16.76	S	174.93	W	218	*	3.6		0.4	9	TONGA ISLANDS
07	11	37	52.7	5.833	N	125.884	E	92	*	4.5		0.9	29	MINDANAO, PHILIPPINE ISLANDS
07	13	01	30.0&	11.053	N	60.946	W	5	G			0.4	6	WINDWARD ISLANDS. MD 2.6 (TRN).
07	15	21	00.2*	52.183	N	177.649	W	84	D			0.6	8	ANDREANOF ISLANDS, ALEUTIAN IS.
07	16	01	05.3*	10.901	S	165.372	E	33	N			1.0	9	SANTA CRUZ ISLANDS
07	16	16	46.4	40.338	N	51.633	E	51	D	5.4		0.9	208	CASPIAN SEA. Mw 5.2 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 16:16:51.6; Lat 40.46 N; Lon 51.79 E; Dep 63.2; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.15, Plg=7, Azm=214; (N) Val=-2.25, Plg=16, Azm=306; (P) Val=-6.90, Plg=73, Azm=102; Best double couple: Mo=8.0*10**16 Nm; NP1: Strike=287, Dip=41, Slip=-115; NP2: Strike=138, Dip=54, Slip=-70.
07	16	25	39.3*	57.905	S	25.429	W	33	N	4.5		1.3	23	SOUTH SANDWICH ISLANDS REGION
07	17	19	21.1&	63.287	N	149.795	W	97					54	CENTRAL ALASKA. <AEIC>.
07	17	36	15.7	50.466	N	18.787	E	5	G			1.2	14	POLAND. ML 3.5 (VIE).
07	17	48	10.9*	17.216	S	72.488	W	39	D	4.3		1.5	25	NEAR COAST OF PERU
07	18	30	39.2&	11.068	N	60.943	W	20	G			0.6	5	WINDWARD ISLANDS. MD 2.4 (TRN).
07	18	44	28.9	33.439	S	69.831	W	100	G	4.2		0.9	40	CHILE-ARGENTINA BORDER REGION. MD 4.2 (SAN). Felt (II) at Santiago and Vina del Mar, Chile.
07	18	57	37.0?	33.12	S	179.23	W	33	N	4.1		0.8	12	SOUTH OF KERMADEC ISLANDS
07	19	16	01.4?	40.89	N	25.47	E	50	G			1.4	7	AEGEAN SEA
07	19	24	13.4	42.873	N	0.850	W	5	G			0.9	15	PYRENEES. ML 2.7 (LDG).
07	20	08	57.1?	32.37	S	70.38	W	100	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
07	20	49	01.7*	15.377	S	70.039	W	242	*	4.2		0.9	25	SOUTHERN PERU
07	21	09	03.2&	63.212	N	150.546	W	126					63	CENTRAL ALASKA. <AEIC>.
07	21	10	50.6&	54.093	N	164.107	W	17					8	UNIMAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
07	22	06	08.5&	33.117	S	70.873	W	70	G			0.4	10	CHILE-ARGENTINA BORDER REGION
07	23	06	38.6	51.624	N	16.202	E	5	G			0.9	22	POLAND. ML 3.2 (VIE).
07	23	38	15.8*	27.546	N	140.699	E	365	*	4.1		1.0	15	BONIN ISLANDS REGION
08	00	56	35.5*	11.913	N	87.696	W	150	G	4.1		1.0	17	NEAR COAST OF NICARAGUA
08	01	33	45.7*	19.319	S	175.346	W	200	G	4.4		0.7	18	TONGA ISLANDS
08	01	34	07.9&	61.226	N	149.419	W	47					74	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.0 (PMR).
08	02	53	14.7	24.894	N	92.250	E	35	D	5.6	5.6	1.0	297	INDIA-BANGLADESH BORDER REGION. Mw 6.0 (GS), 5.9 (HRV). Me 6.0 (GS). Several people injured and some damage to older buildings at Sylhet, Bangladesh. Felt in much of Bangladesh. Also felt in parts of Assam, Meghalaya and Tripura, India.
														Broadband Source Parameters (GS): Radiated energy 2.6*10**13 Nm.
														Moment Tensor (GS): Dep 28; Principal axes (scale 10**18 Nm): (T) Val=1.19, Plg=8, Azm=119; (N) Val=0.12, Plg=79, Azm=337; (P) Val=-1.31, Plg=7, Azm=210; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=254, Dip=80, Slip=1; NP2: Strike=164, Dip=89, Slip=170.
														Centroid, Moment Tensor (HRV): Centroid origin time 02:53:19.3; Lat 24.51 N; Lon 92.36 E; Dep 35.0 Bdy; Half-duration 2.3 sec; Principal axes (scale 10**17 Nm): (T) Val=8.32, Plg=18, Azm=300; (N) Val=0.50, Plg=68, Azm=158;

													(P) Val=-8.82, Plg=12, Azm=35; Best double couple: Mo=8.6*10**17 Nm; NP1: Strike=78, Dip=68, Slip=4; NP2: Strike=347, Dip=86, Slip=158.
08	03	18	12.8%	45.442	N	6.599	E	5	G			0.6	5 FRANCE. ML 1.6 (LDG).
08	03	35	37.9*	51.568	N	16.080	E	5	G			0.6	10 POLAND. ML 3.7 (GRF), 3.5 (VIE).
08	03	40	32.7%	44.466	N	7.286	E	10	G			0.3	6 NORTHERN ITALY. ML 1.7 (GEN).
08	04	00	37.2&	63.278	N	151.144	W	6					48 CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).
08	04	33	47.3*	44.854	N	10.875	E	5	G			0.8	15 NORTHERN ITALY. ML 2.7 (LDG), 2.6 (VIE).
08	04	54	27.2	11.548	N	85.770	W	194	D	4.6		1.0	55 NICARAGUA
08	05	01	24.1*	49.971	N	176.002	W	33	N			0.5	6 SOUTH OF ALEUTIAN ISLANDS
08	05	56	10.1	19.429	S	175.833	W	218	D	5.1		1.1	148 TONGA ISLANDS. Mw 5.6 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 05:56:11.1; Lat 19.31 S; Lon 175.17 W; Dep 201.0; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=2.57, Plg=4, Azm=317; (N) Val=0.88, Plg=47, Azm=51; (P) Val=-3.45, Plg=43, Azm=224; Best double couple: Mo=3.0*10**17 Nm; NP1: Strike=10, Dip=58, Slip=-149; NP2: Strike=262, Dip=64, Slip=-36.
08	06	07	09.0	51.471	N	159.597	E	33	N	5.1	4.9	1.1	130 OFF EAST COAST OF KAMCHATKA. Mw 5.4 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 06:07:12.8; Lat 51.52 N; Lon 159.65 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.39, Plg=57, Azm=321; (N) Val=0.13, Plg=5, Azm=224; (P) Val=-1.52, Plg=32, Azm=131; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=205, Dip=13, Slip=70; NP2: Strike=45, Dip=77, Slip=95.
08	06	52	56.8?	43.12	N	126.21	W	10	G			0.4	12 OFF COAST OF OREGON
08	06	59	04.8&	35.728	N	117.625	W	6					32 CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
08	07	12	45.3?	9.47	N	125.55	E	33	N			1.3	8 MINDANAO, PHILIPPINE ISLANDS
08	08	06	23.6*	21.074	S	178.408	W	600	G	4.6		0.7	25 FIJI ISLANDS REGION
08	08	49	27.3*	39.281	N	70.795	E	50	G			0.9	12 TAJIKISTAN
08	09	11	04.8*	33.807	N	137.115	E	350	G	4.0		1.1	19 NEAR S. COAST OF HONSHU, JAPAN
08	09	28	38.9*	0.119	N	16.679	W	10	G	4.4		0.9	13 NORTH OF ASCENSION ISLAND
08	10	09	11.3?	16.21	N	91.27	W	100	G			1.1	7 MEXICO-GUATEMALA BORDER REGION
08	10	27	41.4?	31.39	S	69.42	W	120	G			0.5	10 SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (SAN).
08	11	10	14.1*	30.302	S	177.421	W	33	N	4.9		1.1	30 KERMADEC ISLANDS, NEW ZEALAND
08	11	16	09.2%	11.054	N	60.824	W	5	G			0.8	11 WINDWARD ISLANDS. MD 3.6 (TRN).
08	11	44	09.8	44.413	N	7.392	E	5	G			0.6	14 NORTHERN ITALY. ML 2.1 (LDG), 2.0 (GEN).
08	12	12	11.8*	46.863	S	33.288	E	10	G	4.4		1.2	23 PRINCE EDWARD ISLANDS REGION
08	12	22	22.8?	7.00	N	72.64	W	150	G			0.3	6 NORTHERN COLOMBIA
08	12	31	18.0&	61.452	N	146.658	W	9					72 SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 3.1 (PMR).
08	13	29	24.6	51.717	N	170.799	W	33	N	5.8	5.9	1.1	318 FOX ISLANDS, ALEUTIAN ISLANDS. Mw 6.0 (GS), 6.0 (HRV). Me 5.6 (GS).
													Broadband Source Parameters (GS): Dep 16; NP1: Strike=59, Dip=77, Slip=90; NP2: Strike=239, Dip=13, Slip=90; Radiated energy 6.6*10**12 Nm.
													Moment Tensor (GS): Dep 20; Principal axes (scale 10**18 Nm): (T) Val=1.24, Plg=42, Azm=355; (N) Val=-0.07, Plg=37, Azm=222; (P) Val=-1.17, Plg=26, Azm=111; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=152, Dip=39, Slip=16; NP2: Strike=50, Dip=80, Slip=127.
													Centroid, Moment Tensor (HRV): Centroid origin time 13:29:26.9; Lat 51.79 N; Lon 170.56 W; Dep 17.0 Bdy; Half-duration 2.6 sec; Principal axes (scale 10**18 Nm): (T) Val=1.12, Plg=63, Azm=337; (N) Val=0.08, Plg=2, Azm=242; (P) Val=-1.19, Plg=27, Azm=151; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=235, Dip=18, Slip=83; NP2: Strike=63, Dip=72, Slip=92.
08	13	31	12.7?	18.23	N	67.02	W	33	N			0.0	4 MONA PASSAGE. MD 2.2 (MPR).
08	14	01	10.2	12.267	N	87.204	W	59	D	5.3		1.0	183 NEAR COAST OF NICARAGUA. Mw 5.6 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 14:01:10.2; Lat 11.69 N; Lon 87.73 W; Dep 43.9; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.54, Plg=73, Azm=51; (N) Val=0.95, Plg=8, Azm=293; (P) Val=-3.49, Plg=15, Azm=201; Best double couple: Mo=3.0*10**17 Nm; NP1: Strike=279, Dip=31, Slip=74; NP2: Strike=118, Dip=60, Slip=100.
08	14	07	40.4*	5.249	S	153.201	E	33	N	4.1		0.9	12 NEW IRELAND REGION, P.N.G.
08	14	10	36.5&	62.897	N	149.522	W	84					88 CENTRAL ALASKA. <AEIC>.
08	14	49	27.6?	30.08	N	67.73	E	33	N			1.3	6 PAKISTAN
08	14	54	39.4?	10.78	N	87.39	W	33	N	4.3		1.0	9 OFF COAST OF COSTA RICA
08	15	24	19.4?	32.52	S	71.85	W	10	G			0.3	9 NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
08	15	58	27.0	17.454	N	100.134	W	38	D	5.0	4.3	1.1	87 GUERRERO, MEXICO. Felt at Mexico City.
08	16	08	59.2?	0.24	S	125.58	E	33	N	3.9		0.9	8 SOUTHERN MOLUCCA SEA
08	17	14	53.6%	33.206	N	138.127	E	324	*			0.3	7 SOUTH OF HONSHU, JAPAN
08	17	25	04.8*	0.164	S	122.863	E	250	G	4.0		0.8	11 MINAHASSA PENINSULA, SULAWESI
08	17	56	49.5*	36.308	N	70.863	E	129	?	3.9		1.3	19 HINDU KUSH REGION, AFGHANISTAN
08	18	04	48.5*	5.237	N	125.008	E	33	N	4.2		0.8	8 MINDANAO, PHILIPPINE ISLANDS
08	18	25	48.9?	6.74	S	152.19	E	33	N	3.8		1.5	7 NEW BRITAIN REGION, P.N.G.
08	18	36	56.9?	6.69	S	151.97	E	33	N	3.6		1.0	6 NEW BRITAIN REGION, P.N.G.
08	20	02	59.8	39.541	N	73.404	E	50	G	4.6		1.0	40 TAJIKISTAN-XINJIANG BORDER REG.
08	20	12	43.3&	59.876	N	153.470	W	131					14 SOUTHERN ALASKA. <AEIC>.
08	20	13	50.1*	50.632	N	18.593	E	5	G			1.1	6 POLAND
08	21	04	26.1&	39.587	N	120.162	W	3					12 NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK).
08	21	06	59.5	21.656	N	144.420	E	135	*	4.1		0.7	22 MARIANA ISLANDS REGION
08	21	34	59.5&	39.562	N	120.215	W	14					6 NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
08	22	02	37.4?	13.06	S	166.02	E	33	N			1.2	11 VANUATU ISLANDS
08	22	10	15.1?	38.70	N	76.60	E	33	N			1.3	11 SOUTHERN XINJIANG, CHINA
08	23	02	56.0	51.663	N	16.261	E	5	G			1.0	11 POLAND. ML 3.0 (VIE).
08	23	49	40.3	18.623	N	106.963	W	33	N	4.5	4.0	1.0	59 OFF COAST OF JALISCO, MEXICO
09	01	30	42.2&	61.236	N	152.595	W	148		3.4			33 SOUTHERN ALASKA. <AEIC>.
09	01	32	45.5	24.315	S	66.865	W	194	D	4.9		1.2	89 SALTA PROVINCE, ARGENTINA. Mw 5.2 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time

01:32:52.7; Lat 24.08 S; Lon 67.07 W; Dep 210.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.35, Plg=21, Azm=109; (N) Val=-0.81, Plg=23, Azm=10; (P) Val=-7.54, Plg=58, Azm=236; Best double couple: Mo=7.9*10**16 Nm; NP1: Strike=233, Dip=32, Slip=-41; NP2: Strike=0, Dip=70, Slip=-115.

09	01	53	08.7%	45.467	N	5.022	E	5	G		1.3	12	FRANCE. ML 2.0 (LDG).
09	02	11	45.3%	47.045	N	153.439	E	40	D		1.2	11	KURIL ISLANDS
09	02	32	42.0*	23.300	S	179.892	E	600	G	4.6	0.6	16	SOUTH OF FIJI ISLANDS
09	02	47	26.1*	14.742	S	167.444	E	241	D	4.4	1.2	49	VANUATU ISLANDS
09	03	28	17.6?	33.78	S	179.79	W	100	G	4.3	1.2	8	SOUTH OF KERMADEC ISLANDS
09	03	32	35.0%	37.088	N	3.992	W	33	N		1.1	18	SPAIN. mbLg 3.2 (MDD).
09	03	49	06.8*	18.208	N	100.401	W	100	G	3.6	0.8	15	GUERRERO, MEXICO
09	04	26	35.8%	37.245	N	4.038	W	33	N		1.4	40	SPAIN. mbLg 4.0 (MDD).
09	04	49	36.2	25.457	N	126.413	E	33	N	4.7 4.2	0.9	28	RYUKYU ISLANDS
09	05	01	11.5%	44.379	N	7.381	E	10	G		0.1	5	NORTHERN ITALY. ML 1.7 (GEN).
09	05	23	19.9*	86.171	N	29.424	E	10	G	3.2	1.1	12	NORTH OF SVALBARD
09	05	55	38.5?	35.81	S	178.08	E	100	G	4.7	1.4	13	OFF E. COAST OF N. ISLAND, N.Z.
09	06	31	04.4	44.750	S	117.769	E	10	G	5.2 5.1	1.0	187	SOUTH OF AUSTRALIA. Mw 5.5 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 06:31:11.9; Lat 44.53 S; Lon 118.13 E; Dep 15.0 Bdy; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.09, Plg=17, Azm=234; (N) Val=0.00, Plg=19, Azm=330; (P) Val=-2.09, Plg=64, Azm=105; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=298, Dip=32, Slip=-127; NP2: Strike=160, Dip=65, Slip=-69.

09	06	45	45.4?	32.11	S	71.61	W	40	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
09	06	53	45.2*	44.778	S	118.216	E	10	G	4.5	0.9	11	SOUTH OF AUSTRALIA
09	07	24	07.7%	20.552	S	178.473	W	450	G		0.6	9	FIJI ISLANDS REGION
09	08	23	19.7*	4.593	N	32.594	W	10	G	4.0	1.0	15	CENTRAL MID-ATLANTIC RIDGE
09	08	33	23.1	13.997	N	92.441	W	33	N	4.8 4.6	1.0	86	OFF COAST OF CHIAPAS, MEXICO
09	09	06	24.5	14.131	N	92.388	W	33	N	4.7 4.6	1.0	63	NEAR COAST OF CHIAPAS, MEXICO
09	09	06	37.2	13.199	N	144.704	E	29	G	5.9 5.8	1.0	197	MARIANA ISLANDS. Mw 6.0 (GS), 6.0 (HRV). Me 6.1 (GS). Felt (VII) at Inarajan and Merizo; (V) at Potts Junction, Guam. Felt throughout Guam.

Broadband Source Parameters (GS): Dep 29; NP1: Strike=220, Dip=60, Slip=135; NP2: Strike=337, Dip=52, Slip=39; Radiated energy 3.2*10**13 Nm.

Moment Tensor (GS): Dep 32; Principal axes (scale 10**18 Nm): (T) Val=1.03, Plg=49, Azm=177; (N) Val=0.09, Plg=37, Azm=27; (P) Val=-1.12, Plg=16, Azm=285; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=336, Dip=44, Slip=30; NP2: Strike=223, Dip=70, Slip=130.

Centroid, Moment Tensor (HRV): Centroid origin time 09:06:41.4; Lat 13.05 N; Lon 144.93 E; Dep 31.0 Bdy; Half-duration 2.5 sec; Principal axes (scale 10**18 Nm): (T) Val=1.29, Plg=45, Azm=160; (N) Val=-0.09, Plg=45, Azm=349; (P) Val=-1.21, Plg=4, Azm=255; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=308, Dip=56, Slip=32; NP2: Strike=198, Dip=64, Slip=142.

09	10	25	42.6	51.592	N	173.369	W	33	N	4.9 5.0	0.9	94	ANDREANOF ISLANDS, ALEUTIAN IS.
09	10	30	54.9%	37.957	N	135.421	E	365	*		0.8	7	SEA OF JAPAN
09	11	28	40.6%	44.332	N	7.579	E	5	G		0.7	8	NORTHERN ITALY. ML 2.1 (LDG).
09	12	16	33.9&	60.391	N	152.681	W	123				46	SOUTHERN ALASKA. <AEIC>.
09	12	43	17.0%	37.120	N	3.982	W	33	N		1.0	16	SPAIN. mbLg 2.9 (MDD).
09	12	48	54.0&	63.843	N	148.718	W	115		2.7		41	CENTRAL ALASKA. <AEIC>.
09	13	23	56.4*	2.828	N	122.339	E	500	G	4.6	1.0	16	CELEBES SEA
09	13	56	36.6?	32.60	S	71.55	W	20	G		0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
09	14	53	01.2?	60.18	S	25.18	W	33	N		1.4	5	SOUTH SANDWICH ISLANDS REGION
09	14	53	39.0&	61.953	N	150.722	W	63				37	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.0 (PMR).
09	15	47	01.6*	0.001	S	16.544	W	10	G	4.5	0.7	8	NORTH OF ASCENSION ISLAND
09	15	52	03.5	21.413	S	68.398	W	124		4.3	0.9	20	CHILE-BOLIVIA BORDER REGION
09	16	03	21.9*	15.515	S	75.737	W	33	N	4.3	1.2	30	NEAR COAST OF PERU
09	16	26	54.1%	45.454	N	26.181	E	155	?		0.4	8	ROMANIA
09	16	30	14.3%	33.154	S	70.260	W	10	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
09	16	30	26.7%	46.818	N	1.847	E	10	G		1.2	8	FRANCE. ML 2.3 (LDG).
09	17	06	10.7	44.348	N	149.637	E	33	N	5.0 4.2	1.0	63	KURIL ISLANDS
09	17	15	48.8*	44.723	N	149.451	E	33	N	3.6	1.1	15	KURIL ISLANDS
09	17	22	57.2	35.671	N	140.782	E	31	*	4.9	1.0	68	NEAR EAST COAST OF HONSHU, JAPAN
09	18	21	40.0	11.011	N	61.017	W	5	G	3.8	0.9	16	WINDWARD ISLANDS. MD 4.0 (TRN).
09	18	34	23.0%	32.852	S	70.940	W	70	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
09	18	40	59.9	35.376	N	27.277	E	20		4.5 4.1	1.5	118	DODECANESE ISLANDS. MD 4.6 (ISK). Felt in the epicentral area.
09	18	45	03.5	6.585	S	153.551	E	33	N	4.2	0.7	21	NEW BRITAIN REGION, P.N.G.
09	19	18	41.2*	51.630	N	159.291	E	33	N		0.8	15	OFF EAST COAST OF KAMCHATKA
09	19	19	46.3%	11.121	N	60.714	W	5	G		0.9	7	WINDWARD ISLANDS. MD 3.0 (TRN).
09	19	32	17.7*	52.144	N	170.680	W	33	N		0.9	10	FOX ISLANDS, ALEUTIAN ISLANDS
09	20	12	51.7%	46.014	N	14.354	E	10	G		0.3	6	NORTHWESTERN BALKAN REGION. ML 1.8 (LJU).
09	20	19	18.9%	32.821	S	70.879	W	70	G		0.3	8	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
09	20	51	15.3*	17.503	N	85.051	W	33	N	4.3	1.0	25	CARIBBEAN SEA
09	21	18	25.8%	33.145	S	70.239	W	5	G		0.4	8	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
09	23	47	01.7&	61.551	N	151.506	W	70				29	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
09	23	53	08.3&	40.275	N	121.873	W	8				11	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK).
10	00	57	02.9*	10.239	N	62.585	W	10	G		1.5	17	NEAR COAST OF VENEZUELA. MD 3.8 (TRN).
10	01	08	18.5*	10.247	N	62.564	W	10	G		1.5	22	NEAR COAST OF VENEZUELA. MD 3.9 (TRN).
10	02	40	43.9?	26.03	S	177.34	W	200	G	4.2	1.3	17	SOUTH OF FIJI ISLANDS
10	02	43	54.9?	17.46	S	178.27	W	500	G	3.8	0.4	7	FIJI ISLANDS REGION
10	03	23	43.1	48.415	N	148.507	E	400	G	4.1	0.5	22	NORTHWEST OF KURIL ISLANDS
10	03	49	44.9?	14.38	S	167.54	E	33	N	4.1	1.0	10	VANUATU ISLANDS
10	04	01	07.2%	32.885	S	70.422	W	90	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
10	04	39	30.9	42.902	N	146.392	E	33	N	4.9 4.2	0.8	104	OFF COAST OF HOKKAIDO, JAPAN
10	04	44	46.3	42.947	N	146.300	E	33	N	4.8	0.8	65	OFF COAST OF HOKKAIDO, JAPAN
10	05	12	20.9*	44.830	N	149.393	E	33	N	3.8	1.1	20	KURIL ISLANDS

10	05	22	37.5%	37.950	N	37.760	W	10	G			0.9	7	NORTH ATLANTIC OCEAN
10	06	12	18.6	18.711	N	107.174	W	33	N	4.4	4.1	0.8	55	OFF COAST OF JALISCO, MEXICO
10	06	20	19.6*	44.356	N	149.607	E	33	N	4.9	4.2	1.3	40	KURIL ISLANDS
10	07	13	26.5?	4.00	N	128.00	E	33	N	4.3		1.0	9	TALAUD ISLANDS, INDONESIA
10	07	27	04.1	32.344	N	142.154	E	33	N	3.9		0.8	23	SOUTH OF HONSHU, JAPAN
10	07	31	13.6%	37.173	N	5.751	W	10	G			0.8	6	SPAIN. mbLg 2.7 (MDD).
10	07	57	29.7	33.825	N	59.809	E	10	G	6.4	7.3	1.1	381	NORTHERN IRAN. Mw 7.3 (GS), 7.2 (HRV). Me 7.7 (GS). Ms 7.2 (BRK). At least 1,567 people killed, 2,300 injured, 50,000 homeless, 10,533 houses destroyed, 5,474 houses damaged and landslides in the Birjand-Qayen area. Five people killed and some damage in the Herat area, Afghanistan. Felt in Kerman, Khorasan, Semnan, Sistan va Baluchestan and Yazd Provinces, Iran. This earthquake appears to have occurred on a southern splay of the Ferdows fault. The left-lateral, strike-slip Ferdows fault was the site of the 1968 Dasht-e-Bayaz earthquake (magnitude 7.3) which resulted in 12,000-20,000 casualties. The Ferdows fault is north of the Zagros Mountains (the latter being the northern boundary of the Arabian plate). Understanding the tectonics of the Ferdows region is complicated by indistinct boundaries of the several microplates at that collision zone. Broadband Source Parameters (GS): NP1: Strike=80, Dip=90, Slip=3; NP2: Strike=350, Dip=87, Slip=180; Radiated energy 8.9*10**15 Nm. Moment Tensor (GS): Dep 36; Principal axes (scale 10**19 Nm): (T) Val=9.74, Plg=3, Azm=108; (N) Val=-0.48, Plg=86, Azm=330; (P) Val=-9.25, Plg=3, Azm=198; Best double couple: Mo=9.5*10**19 Nm; NP1: Strike=243, Dip=86, Slip=0; NP2: Strike=153, Dip=90, Slip=176. Centroid, Moment Tensor (HRV): Centroid origin time 07:57:49.8; Lat 33.58 N; Lon 60.02 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**19 Nm): (T) Val=7.17, Plg=5, Azm=113; (N) Val=0.36, Plg=83, Azm=341; (P) Val=-7.52, Plg=5, Azm=203; Best double couple: Mo=7.3*10**19 Nm; NP1: Strike=248, Dip=83, Slip=0; NP2: Strike=338, Dip=90, Slip=-173.
10	08	07	13.7*	33.653	N	59.906	E	10	G			1.4	14	NORTHERN IRAN
10	08	10	39.6?	33.23	N	60.67	E	10	G			1.1	8	NORTHERN IRAN
10	08	21	49.3*	32.847	N	60.413	E	10	G	3.8		0.7	13	NORTHERN IRAN
10	08	22	47.9*	33.082	N	60.170	E	10	G	4.8		0.9	22	NORTHERN IRAN
10	08	24	28.3?	33.22	N	60.25	E	10	G			1.4	8	NORTHERN IRAN
10	08	37	14.8*	32.883	N	60.310	E	10	G	4.5		1.4	29	NORTHERN IRAN
10	08	40	23.9*	32.836	N	59.980	E	10	G			1.3	11	NORTHERN IRAN
10	08	44	50.6*	33.468	N	59.860	E	10	G			1.0	17	NORTHERN IRAN
10	08	55	36.7*	33.072	N	60.218	E	10	G	3.7		1.5	15	NORTHERN IRAN
10	08	58	21.0*	20.342	S	70.435	W	68	?			1.1	15	NEAR COAST OF NORTHERN CHILE. Felt (III) at Guatacondo, Huara, Iquique, Pica, Pozo Almonte and Tarapaca.
10	09	03	52.1%	36.662	N	4.521	W	70	G			0.6	10	STRAIT OF GIBRALTAR
10	09	05	36.4?	35.59	N	71.05	E	33	N	3.3		1.5	8	PAKISTAN
10	09	12	48.0	33.381	N	60.060	E	10	G	4.7		1.1	35	NORTHERN IRAN
10	09	19	32.2	33.670	N	59.952	E	10	G	4.4		1.1	43	NORTHERN IRAN
10	09	33	34.7*	33.857	N	59.547	E	10	G			1.3	9	NORTHERN IRAN
10	10	19	52.3*	32.952	N	60.295	E	10	G	3.9		1.1	17	NORTHERN IRAN
10	10	21	59.9*	33.767	N	59.801	E	10	G	4.3		0.8	12	NORTHERN IRAN
10	10	24	57.4*	33.400	N	59.939	E	10	G			0.6	13	NORTHERN IRAN
10	10	27	20.9	33.731	N	59.953	E	10	G	4.8	5.4	1.2	66	NORTHERN IRAN
10	10	34	20.4*	33.345	N	59.981	E	10	G	4.0		1.3	24	NORTHERN IRAN
10	10	36	03.7*	33.056	N	60.211	E	10	G	4.2		0.9	13	NORTHERN IRAN
10	11	01	26.9*	32.969	N	60.204	E	10	G	4.2		0.6	12	NORTHERN IRAN
10	11	16	17.3*	33.140	N	60.038	E	10	G			0.9	10	NORTHERN IRAN
10	11	25	15.8?	40.95	S	85.59	E	10	G	4.2		1.3	10	SOUTHEAST INDIAN RIDGE
10	11	28	33.5*	14.187	N	91.851	W	33	N	4.3		1.2	26	GUATEMALA
10	11	35	20.5*	12.140	N	87.514	W	33	N	4.4		1.2	32	NEAR COAST OF NICARAGUA
10	12	01	52.5*	33.117	N	60.180	E	10	G			0.4	7	NORTHERN IRAN
10	12	10	01.0*	11.173	N	86.273	W	33	N	4.3		1.0	34	NEAR COAST OF NICARAGUA
10	12	23	07.5	33.119	N	60.247	E	10	G	4.6		0.9	41	NORTHERN IRAN
10	12	28	10.7?	8.49	N	103.47	W	10	G	4.3		1.1	9	OFF COAST OF MEXICO
10	13	22	30.1*	33.260	N	60.020	E	10	G	3.9		0.8	6	NORTHERN IRAN
10	13	24	06.6*	33.023	N	60.100	E	10	G	4.0		1.0	12	NORTHERN IRAN
10	13	24	11.2?	21.67	N	142.97	E	326	*	3.7		1.8	17	MARIANA ISLANDS REGION
10	13	26	33.6*	32.983	N	60.281	E	10	G	4.3	4.0	1.4	35	NORTHERN IRAN
10	13	33	11.2?	52.13	N	175.18	W	33	N	3.4		1.5	4	ANDREANOF ISLANDS, ALEUTIAN IS.
10	14	04	35.7	33.030	N	60.172	E	10	G	4.5		1.0	40	NORTHERN IRAN
10	14	08	05.2?	37.25	N	20.95	E	33	N			0.9	7	IONIAN SEA
10	14	15	45.1?	32.70	S	70.10	W	110	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
10	14	21	16.0?	17.45	S	178.88	W	600	G	4.2		0.5	12	FIJI ISLANDS REGION
10	14	38	24.9*	35.277	N	22.995	E	33	N	4.0		1.0	16	CENTRAL MEDITERRANEAN SEA
10	14	46	22.7?	7.42	S	129.07	E	150	G	4.0		1.8	8	BANDA SEA
10	15	44	11.9*	14.921	S	75.629	W	33	N	3.8		1.1	14	NEAR COAST OF PERU
10	15	44	18.7?	6.08	S	155.73	E	33	N	3.9		1.4	5	SOLOMON ISLANDS
10	15	45	03.7*	32.752	N	60.254	E	10	G			1.3	11	NORTHERN IRAN
10	15	53	27.4*	33.275	N	60.070	E	10	G			1.0	14	NORTHERN IRAN
10	16	58	44.9	27.891	N	111.768	W	10	G	4.0	4.1	1.2	28	GULF OF CALIFORNIA
10	17	32	43.6	33.479	N	59.867	E	10	G	4.7	4.0	0.9	37	NORTHERN IRAN
10	17	43	22.3	6.796	S	105.942	E	33	N	4.9		1.0	70	SUNDA STRAIT
10	17	49	00.9	46.439	N	13.767	E	10	G			1.1	14	AUSTRIA. ML 2.5 (VIE), 2.0 (LJU). Felt (III) at Ratece, Slovenia.
10	18	11	41.9*	15.053	N	146.907	E	33	N			1.0	8	MARIANA ISLANDS
10	18	34	55.2	24.373	S	179.961	W	461	?	4.5		1.1	46	SOUTH OF FIJI ISLANDS
10	18	52	39.7*	33.234	N	59.906	E	10	G	4.4		1.1	12	NORTHERN IRAN
10	18	53	52.6	3.150	S	101.547	E	33	N	5.5	5.1	0.9	162	SOUTHERN SUMATERA, INDONESIA. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:53:59.6; Lat 3.60 S; Lon 101.15 E; Dep 35.0 Bdy; Half-

duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.44, Plg=65, Azm=41; (N) Val=0.43, Plg=1, Azm=308; (P) Val=-2.87, Plg=25, Azm=218; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=305, Dip=20, Slip=87; NP2: Strike=129, Dip=70, Slip=91.

10	19	00	31.0&	40.155	N	122.282	W	37				8	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). Felt in the Red Bluff area.
10	19	15	14.7?	23.11	S	170.30	E	33	N	4.1	1.4	6	LOYALTY ISLANDS REGION
10	19	26	17.7?	24.98	N	92.41	E	33	N		1.0	5	INDIA-BANGLADESH BORDER REGION
10	19	29	15.3	48.112	N	16.633	E	10	G		1.0	20	AUSTRIA. ML 3.6 (GRF), 3.2 (VIE), 2.9 (FUR). Felt (V) at Fischamend Markt.
10	19	40	28.9*	8.237	N	103.399	W	10	G	4.0	0.8	13	OFF COAST OF MEXICO
10	19	49	54.5*	4.685	S	71.652	W	650	G	3.7	0.6	24	PERU-BRAZIL BORDER REGION
10	19	51	38.3*	32.938	N	60.212	E	10	G	4.4	1.4	35	NORTHERN IRAN
10	20	01	37.8*	32.713	N	60.327	E	10	G	3.5	0.7	8	NORTHERN IRAN
10	21	14	16.1	5.909	S	110.676	E	600	G	5.0	1.0	39	JAVA SEA
10	21	52	35.8&	59.614	N	152.821	W	86				14	SOUTHERN ALASKA. <AEIC>.
10	22	08	57.6&	40.924	N	123.449	W	28				5	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
10	22	09	02.1&	61.355	N	150.545	W	50				16	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 2.8 (PMR).
10	22	13	53.1	33.444	N	60.085	E	10	G	4.6	1.1	64	NORTHERN IRAN
10	22	24	30.9*	32.708	N	60.129	E	10	G	3.9	1.3	16	NORTHERN IRAN
10	22	52	25.7*	33.324	N	60.110	E	10	G	4.2	1.2	19	NORTHERN IRAN
10	23	01	46.9	28.213	N	34.820	E	10	G	4.7	1.2	74	EGYPT. ML 5.3 (JER).
10	23	35	36.7	33.120	N	60.105	E	10	G	4.5	1.3	50	NORTHERN IRAN
11	00	15	46.8*	36.527	N	71.083	E	162	D		1.3	15	AFGHANISTAN-TAJIKISTAN BORD REG.
11	00	16	28.6&	33.974	N	116.672	W	17				42	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS). Felt in the Palm Springs and Desert Hot Springs areas.
11	00	54	18.4*	3.263	S	139.934	E	100	G	4.1	1.1	12	IRIAN JAYA, INDONESIA
11	01	29	30.2	33.141	N	60.231	E	10	G	4.6	0.9	42	NORTHERN IRAN
11	02	13	16.6*	31.475	S	117.642	E	10	G		0.2	5	WESTERN AUSTRALIA
11	02	27	57.3*	23.080	S	169.634	E	33	N	4.7	1.4	19	LOYALTY ISLANDS REGION
11	02	51	11.6&	60.389	N	147.546	W	8				40	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
11	04	17	59.2*	32.988	N	60.134	E	10	G	4.4	1.1	16	NORTHERN IRAN
11	04	30	59.6&	33.380	S	71.545	W	33	N		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
11	04	42	03.0&	36.927	N	5.651	W	10	G		1.2	7	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
11	04	47	09.3*	33.744	N	59.748	E	10	G		0.6	12	NORTHERN IRAN
11	05	09	19.9&	37.007	N	5.602	W	10	G		0.9	6	SPAIN. mbLg 2.3 (MDD).
11	05	37	23.0*	15.199	S	177.484	W	400	G	4.0	0.7	14	FIJI ISLANDS REGION
11	05	49	11.0*	16.033	S	173.483	W	33	N	4.0	0.6	11	TONGA ISLANDS
11	06	55	52.3	31.236	S	178.242	W	33	N	5.3 4.7	1.0	76	KERMADEC ISLANDS REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:55:59.7; Lat 31.38 S; Lon 178.19 W; Dep 38.4; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.40, Plg=58, Azm=228; (N) Val=-1.16, Plg=17, Azm=347; (P) Val=-6.25, Plg=26, Azm=86; Best double couple: Mo=6.8*10**16 Nm; NP1: Strike=210, Dip=24, Slip=135; NP2: Strike=342, Dip=73, Slip=72.
11	07	02	43.3*	32.911	N	60.171	E	10	G		1.3	13	NORTHERN IRAN
11	07	21	25.1*	42.565	N	12.429	E	5	G		1.0	16	CENTRAL ITALY. ML 2.7 (LDG).
11	07	37	14.7*	45.754	S	72.678	W	33	N	4.6	1.1	17	SOUTHERN CHILE
11	07	37	21.1?	31.34	S	69.33	W	120	G		0.8	11	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
11	07	41	14.8&	60.417	N	153.413	W	151		3.8		50	SOUTHERN ALASKA. <AEIC>.
11	08	06	10.2*	18.473	N	107.201	W	33	N	3.8	1.5	23	OFF COAST OF JALISCO, MEXICO
11	08	14	15.2*	32.958	N	60.342	E	10	G	3.4	1.2	9	NORTHERN IRAN
11	08	24	21.5*	33.019	N	60.053	E	10	G	4.4	1.2	25	NORTHERN IRAN
11	08	31	50.4*	33.289	N	60.175	E	10	G	4.2	1.1	28	NORTHERN IRAN
11	08	39	48.8&	19.296	N	145.329	E	200	G		1.1	14	MARIANA ISLANDS
11	09	28	18.6?	19.12	S	169.38	E	33	N	4.4	0.9	9	VANUATU ISLANDS
11	09	33	32.8	57.134	S	157.811	E	10	G	4.8	1.1	44	MACQUARIE ISLANDS REGION
11	10	33	51.6&	44.487	N	7.329	E	5	G		0.2	5	NORTHERN ITALY. ML 1.7 (GEN).
11	10	47	25.4?	8.12	N	103.78	W	10	G		1.2	13	OFF COAST OF MEXICO
11	11	07	00.3?	1.26	N	126.94	E	33	N	4.8	0.9	12	NORTHERN MOLUCCA SEA
11	11	12	04.2*	39.459	S	16.031	W	10	G	4.7	1.3	14	SOUTHERN MID-ATLANTIC RIDGE
11	11	49	05.0?	5.06	S	146.98	E	150	G	3.6	0.3	6	EASTERN NEW GUINEA REG., P.N.G.
11	11	53	36.9*	33.050	N	60.043	E	10	G	3.7	0.7	9	NORTHERN IRAN
11	12	56	50.3*	33.229	N	60.009	E	10	G	4.3	0.9	12	NORTHERN IRAN
11	13	20	53.9	5.518	N	72.702	W	71		4.6	0.8	84	COLOMBIA
11	13	40	57.8?	33.05	N	60.18	E	10	G	3.6	1.6	9	NORTHERN IRAN
11	14	00	45.8*	35.361	N	27.051	E	100	G	3.9	1.5	15	DODECANESE ISLANDS
11	14	01	06.4*	6.373	S	127.912	E	300	G	4.4	1.3	13	BANDA SEA
11	14	28	54.7?	29.68	N	68.27	E	33	N	3.5	0.8	7	PAKISTAN
11	14	31	28.8*	18.450	N	107.085	W	33	N	3.9	0.9	20	OFF COAST OF JALISCO, MEXICO
11	14	37	19.8?	32.64	N	60.43	E	10	G	3.7	0.6	5	NORTHERN IRAN
11	15	11	11.6&	34.992	N	77.574	E	33	N		1.0	7	EASTERN KASHMIR
11	15	20	16.1&	58.922	N	154.491	W	115				54	ALASKA PENINSULA. <AEIC>.
11	15	29	47.6*	22.005	S	175.620	W	33	N	4.6	0.9	33	TONGA ISLANDS REGION
11	15	40	05.0*	1.895	N	127.427	E	100	G	4.6	1.0	10	HALMAHERA, INDONESIA
11	15	49	24.9	24.603	S	66.928	W	193	D	4.9	1.2	160	SALTA PROVINCE, ARGENTINA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:49:33.5; Lat 23.95 S; Lon 66.95 W; Dep 201.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.14, Plg=26, Azm=70; (N) Val=-1.92, Plg=20, Azm=330; (P) Val=-5.22, Plg=57, Azm=207; Best double couple: Mo=6.2*10**16 Nm; NP1: Strike=197, Dip=26, Slip=-40; NP2: Strike=324, Dip=74, Slip=-110.
11	16	37	01.5*	6.406	S	150.590	E	58	*	3.8	0.3	7	NEW BRITAIN REGION, P.N.G.
11	16	45	59.2*	6.354	S	150.609	E	67	*	4.2	0.8	10	NEW BRITAIN REGION, P.N.G.
11	16	49	07.6	44.800	N	11.469	E	10	G		0.9	17	NORTHERN ITALY. ML 3.0 (VIE), 2.6 (LDG).
11	17	15	28.4*	44.792	S	117.590	E	10	G	4.0	1.0	23	SOUTH OF AUSTRALIA
11	17	18	17.2&	61.582	N	149.939	W	48		3.7		93	SOUTHERN ALASKA. <AEIC>. ML 3.9 (AEIC), 3.9 (PMR). Felt (IV) at Big Lake, Kashwitna and Willow; (III) at Anchorage, Eagle River, Palmer and Wasilla.
11	17	31	35.4*	26.247	N	143.972	E	33	N	4.2	1.3	22	BONIN ISLANDS REGION

11	18	05	44.6*	30.002	N	131.241	E	33	N	4.4	0.5	10	KYUSHU, JAPAN
11	18	09	43.5*	15.652	S	173.233	W	33	N	4.5	1.0	30	TONGA ISLANDS
11	18	14	32.2	17.544	S	168.185	E	33	N	4.9	1.2	47	VANUATU ISLANDS
11	18	16	59.7	6.740	N	72.964	W	170	D	4.8	0.9	121	NORTHERN COLOMBIA. Felt in northern and central Colombia.
11	19	22	53.0&	11.197	N	60.721	W	10	G		1.3	7	WINDWARD ISLANDS. MD 3.0 (TRN).
11	20	11	03.1	41.211	N	1.967	W	10	G		0.9	9	SPAIN. mbLg 2.8 (MDD). ML 2.4 (LDG).
11	20	11	29.0	5.744	S	147.844	E	126		5.4	0.8	47	EASTERN NEW GUINEA REG., P.N.G.
11	20	31	52.7	6.582	S	130.063	E	150	G	4.7	1.1	22	BANDA SEA
11	21	12	42.2&	62.524	N	151.251	W	86				37	CENTRAL ALASKA. <AEIC>.
11	21	42	17.3*	0.040	S	122.240	E	300	G	4.6	0.9	21	MINAHASSA PENINSULA, SULAWESI
11	21	46	21.7	51.904	N	179.238	W	33	N	4.5	1.4	49	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
11	21	48	13.1&	54.918	N	159.368	W	0				13	SOUTH OF ALASKA. <AEIC>. ML 3.2 (AEIC).
11	21	53	10.2	5.483	N	125.727	E	124	*	4.9	0.9	36	MINDANAO, PHILIPPINE ISLANDS
11	22	09	04.3*	33.349	N	60.150	E	10	G	4.5	1.1	15	NORTHERN IRAN
11	22	16	13.9	36.383	S	97.703	W	10	G	5.6 5.8	1.3	99	WEST CHILE RISE. Mw 6.5 (HRV), 6.4 (GS).

Moment Tensor (GS): Dep 19; Principal axes (scale 10**18 Nm): (T) Val=4.73, Plg=0, Azm=224; (N) Val=0.00, Plg=88, Azm=123; (P) Val=-4.73, Plg=2, Azm=314; Best double couple: Mo=4.7*10**18 Nm; NP1: Strike=359, Dip=88, Slip=-1; NP2: Strike=89, Dip=89, Slip=-178.

Centroid, Moment Tensor (HRV): Centroid origin time 22:16:24.3; Lat 36.46 S; Lon 98.23 W; Dep 15.0 Fix; Half-duration 4.1 sec; Principal axes (scale 10**18 Nm): (T) Val=6.44, Plg=14, Azm=50; (N) Val=-0.80, Plg=75, Azm=208; (P) Val=-5.65, Plg=5, Azm=319; Best double couple: Mo=6.0*10**18 Nm; NP1: Strike=93, Dip=76, Slip=174; NP2: Strike=185, Dip=84, Slip=14.

11	22	37	19.2	19.073	S	168.772	E	33	N	4.8	1.1	47	VANUATU ISLANDS
11	22	59	38.2	37.091	N	140.914	E	49	D	5.5 5.3	0.9	284	EASTERN HONSHU, JAPAN. Mw 5.9 (HRV). Felt (IV JMA) at Koriyama, (III JMA) at Sendai and (II JMA) at Morioka and Tokyo.

Centroid, Moment Tensor (HRV): Centroid origin time 22:59:42.9; Lat 37.09 N Fix; Lon 140.91 E Fix; Dep 57.9; Half-duration 2.3 sec; Principal axes (scale 10**18 Nm): (T) Val=0.73, Plg=38, Azm=9; (N) Val=0.34, Plg=45, Azm=229; (P) Val=-1.07, Plg=21, Azm=117; Best double couple: Mo=9.0*10**17 Nm; NP1: Strike=160, Dip=47, Slip=15; NP2: Strike=60, Dip=79, Slip=136.

11	23	01	06.0?	33.37	S	71.89	W	20	G		0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
11	23	02	04.9*	0.021	N	16.696	W	10	G	4.2	1.1	15	NORTH OF ASCENSION ISLAND
11	23	08	30.8*	36.503	S	97.654	W	10	G	4.4	1.2	31	WEST CHILE RISE
12	00	26	58.6*	39.579	N	76.626	E	33	N	3.3	1.3	11	SOUTHERN XINJIANG, CHINA
12	00	30	57.5	35.492	N	141.144	E	33	N	4.3	0.9	21	NEAR EAST COAST OF HONSHU, JAPAN
12	01	19	26.2&	44.977	N	149.564	E	100	G		0.9	9	KURIL ISLANDS
12	01	56	06.6?	51.30	S	139.93	E	10	G	4.3	1.4	12	SOUTH OF AUSTRALIA
12	02	13	23.7?	39.01	N	76.72	E	33	N		0.6	9	SOUTHERN XINJIANG, CHINA
12	03	13	35.7*	35.337	N	139.759	E	65	D	3.9	0.5	11	NEAR S. COAST OF HONSHU, JAPAN
12	03	32	32.8*	18.699	N	107.257	W	33	N	4.0	0.9	30	OFF COAST OF JALISCO, MEXICO
12	03	34	09.0	18.738	N	107.008	W	33	N	3.9	0.9	31	OFF COAST OF JALISCO, MEXICO
12	03	50	59.8	37.930	N	48.067	E	10	G	4.6	1.1	68	NORTHWESTERN IRAN
12	03	58	43.7?	17.80	S	178.61	W	600	G	4.4	0.8	14	FIJI ISLANDS REGION
12	03	59	23.6	37.219	N	135.224	E	379		4.0	0.6	22	SEA OF JAPAN
12	04	14	49.2	26.094	N	143.992	E	33	N	4.1	0.7	13	BONIN ISLANDS REGION
12	04	41	55.8	18.734	N	107.129	W	33	N	5.2 4.8	0.8	132	OFF COAST OF JALISCO, MEXICO. Mw 5.6 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 04:42:00.4; Lat 18.96 N; Lon 107.18 W; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.59, Plg=0, Azm=244; (N) Val=-0.07, Plg=81, Azm=152; (P) Val=-2.52, Plg=9, Azm=334; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=19, Dip=84, Slip=-6; NP2: Strike=110, Dip=84, Slip=-173.

12	05	23	20.7?	10.60	N	61.05	W	33	N		0.2	4	TRINIDAD. MD 2.6 (TRN).
12	05	37	53.0&	44.173	N	7.770	E	10	G		0.4	8	NORTHERN ITALY. ML 1.9 (GEN).
12	06	07	09.2?	35.93	N	70.74	E	150	G		0.7	6	HINDU KUSH REGION, AFGHANISTAN
12	06	24	45.1&	44.486	N	7.247	E	10	G		0.2	7	NORTHERN ITALY. ML 1.9 (GEN).
12	07	15	18.2*	28.672	N	52.538	E	33	N	3.9	1.0	14	SOUTHERN IRAN
12	07	39	01.6	21.996	S	179.576	W	550	G	4.7	0.7	29	FIJI ISLANDS REGION
12	08	41	19.8?	9.20	S	109.86	W	10	G	4.5	1.3	19	CENTRAL EAST PACIFIC RISE
12	08	52	59.2*	51.172	S	138.508	E	10	G	4.2	0.5	11	SOUTH OF AUSTRALIA
12	09	16	17.6*	2.734	S	128.978	E	33	N	4.6	1.1	15	CERAM SEA
12	09	25	35.2?	51.33	S	139.11	E	10	G	4.2	0.4	5	SOUTH OF AUSTRALIA
12	09	44	11.5?	51.33	S	138.83	E	10	G	4.5	1.1	10	SOUTH OF AUSTRALIA
12	09	47	35.2?	3.28	S	128.39	E	33	N	4.2	1.4	7	SERAM, INDONESIA
12	09	47	49.6*	28.007	N	56.829	E	33	N	4.0	0.7	16	SOUTHERN IRAN
12	10	38	54.6?	25.39	N	127.47	E	33	N	3.6	1.3	9	RYUKYU ISLANDS
12	11	26	28.5*	4.446	S	144.323	E	111	*	4.0	1.2	11	NEAR N COAST OF NEW GUINEA, PNG.
12	12	01	09.2?	7.76	S	129.57	E	150	G	3.8	0.9	5	BANDA SEA
12	12	16	26.9?	6.13	S	150.20	E	33	N	3.6	1.1	7	NEW BRITAIN REGION, P.N.G.
12	13	36	45.7	4.447	S	102.883	E	33	N	4.9	1.0	51	SOUTHERN SUMATERA, INDONESIA
12	13	45	26.3	10.184	N	121.657	E	33	N	5.5 5.8	1.2	147	PANAY, PHILIPPINE ISLANDS. Mw 5.9 (GS), 5.9 (HRV). Ms 5.9 (BRK).

Moment Tensor (GS): Dep 11; Principal axes (scale 10**17 Nm): (T) Val=8.48, Plg=4, Azm=55; (N) Val=0.94, Plg=69, Azm=315; (P) Val=-9.42, Plg=20, Azm=146; Best double couple: Mo=9.0*10**17 Nm; NP1: Strike=189, Dip=73, Slip=-12; NP2: Strike=282, Dip=78, Slip=-163.

Centroid, Moment Tensor (HRV): Centroid origin time 13:45:25.9; Lat 10.11 N; Lon 121.44 E; Dep 28.8; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=8.90, Plg=8, Azm=230; (N) Val=-0.70, Plg=68, Azm=342; (P) Val=-8.20, Plg=20, Azm=137; Best double couple: Mo=8.6*10**17 Nm; NP1: Strike=276, Dip=70, Slip=-171; NP2: Strike=182, Dip=82, Slip=-21.

12	13	50	14.8	42.773	N	12.484	E	5	G	4.4	1.0	216	CENTRAL ITALY. ML 4.4 (VIE), 4.3 (LDG), 4.1 (ROM), 4.0 (LJU). Some damage to buildings at Massa Martana. Felt throughout the Umbria region and in the northern part of the Lazio region.
12	14	07	00.5*	10.200	N	121.593	E	33	N	4.3	0.9	16	PANAY, PHILIPPINE ISLANDS
12	14	18	08.2*	10.205	N	121.490	E	33	N	4.5	1.1	21	PANAY, PHILIPPINE ISLANDS
12	14	54	36.2*	37.472	N	72.223	E	200	G		1.4	13	TAJIKISTAN
12	14	57	41.3?	51.75	S	138.58	E	10	G	4.1	1.3	6	SOUTH OF AUSTRALIA
12	14	59	15.8*	27.386	N	140.051	E	450	G	4.1	0.9	20	BONIN ISLANDS REGION
12	15	03	03.4	18.722	N	107.176	W	33	N	5.3 4.9	0.9	167	OFF COAST OF JALISCO, MEXICO. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:03:08.6; Lat 19.20 N; Lon 107.03 W; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.48, Plg=24, Azm=246; (N) Val=-0.27, Plg=62, Azm=34; (P) Val=-3.21, Plg=13, Azm=150; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=286, Dip=64, Slip=172; NP2: Strike=19, Dip=82, Slip=27.
12	15	20	52.8*	10.207	N	121.528	E	33	N	4.6	1.1	20	PANAY, PHILIPPINE ISLANDS
12	15	28	02.7	40.473	N	143.759	E	33	N	4.2	0.8	30	OFF EAST COAST OF HONSHU, JAPAN
12	15	36	46.7&	45.452	N	2.318	E	5	G		0.8	8	FRANCE. ML 2.1 (LDG).
12	15	39	22.2&	46.088	N	14.445	E	10	G		0.2	6	NORTHWESTERN BALKAN REGION. ML 1.9 (LJU).
12	16	15	06.6?	19.23	S	169.61	E	250	G	4.4	1.0	10	VANUATU ISLANDS
12	16	18	48.5&	45.367	N	2.379	E	5	G		1.1	11	FRANCE. ML 2.6 (LDG).
12	16	26	57.3*	33.055	N	60.140	E	10	G	4.3	1.1	15	NORTHERN IRAN
12	16	36	06.6	44.387	N	7.431	E	5	G		0.4	22	NORTHERN ITALY. ML 2.5 (GEN), 2.3 (LDG).
12	16	52	39.4*	51.106	N	15.933	E	5	G		0.5	5	POLAND
12	17	48	51.0*	15.586	S	176.345	W	350	G	4.1	0.7	20	FIJI ISLANDS REGION
12	18	43	13.8*	9.935	N	121.745	E	33	N	4.9	1.1	14	SULU SEA
12	19	00	22.3	51.391	S	139.553	E	10	G	5.1 5.1	1.1	91	SOUTH OF AUSTRALIA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:00:28.1; Lat 51.45 S; Lon 139.29 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.36, Plg=17, Azm=44; (N) Val=-0.19, Plg=72, Azm=247; (P) Val=-1.17, Plg=7, Azm=136; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=181, Dip=73, Slip=7; NP2: Strike=89, Dip=83, Slip=163.
12	19	18	11.3&	37.194	N	3.681	W	10	G		1.1	6	SPAIN. mbLg 2.1 (MDD).
12	19	32	00.4?	10.74	N	87.77	W	33	N	4.3	0.4	5	OFF COAST OF COSTA RICA
12	19	54	39.9	44.797	N	10.580	E	5	G		1.4	38	NORTHERN ITALY. ML 3.0 (VIE), 2.7 (LDG).
12	20	27	41.1	44.785	N	10.588	E	5	G		1.3	36	NORTHERN ITALY. ML 2.8 (VIE), 2.6 (LDG).
12	20	43	47.1?	18.31	N	106.72	W	33	N	3.7	1.2	13	OFF COAST OF JALISCO, MEXICO
12	20	52	08.2?	13.56	S	166.30	E	42	D	4.5	1.1	14	VANUATU ISLANDS
12	21	10	42.3?	11.17	N	62.03	W	100	G		0.4	6	WINDWARD ISLANDS. MD 3.1 (TRN).
12	21	58	43.0?	13.64	S	166.46	E	33	N	4.6	1.3	13	VANUATU ISLANDS
12	22	13	50.4	44.804	N	10.679	E	5	G		1.2	82	NORTHERN ITALY. ML 3.9 (GRF), 3.7 (VIE), 3.6 (LDG), 3.5 (STR), 3.3 (FUR).
12	22	22	06.4	44.790	N	10.732	E	5	G		1.3	62	NORTHERN ITALY. ML 3.8 (GRF), 3.7 (VIE), 3.6 (STR), 3.5 (FUR), 3.4 (LDG).
12	22	29	23.2?	0.14	N	16.71	W	10	G	4.4	1.5	15	NORTH OF ASCENSION ISLAND
12	22	35	07.0?	32.60	S	71.72	W	10	G		0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
12	22	47	42.2	44.784	N	10.734	E	5	G		1.4	49	NORTHERN ITALY. ML 3.5 (VIE), 3.2 (STR), 3.0 (LDG).
12	22	50	10.2&	33.040	S	71.578	W	20	G		0.4	12	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN). Felt (II) at Concon, Quilpue, Valparaiso and Vina del Mar. Also felt at Quintero and Villa Alemana.
12	22	57	36.7	14.085	N	91.670	W	100	G	4.5	1.1	63	GUATEMALA
12	23	09	42.5&	40.299	N	122.082	W	11				9	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.1 (BRK).
12	23	10	25.7?	14.24	N	90.98	W	33	N	3.9	0.7	9	GUATEMALA
12	23	17	53.9*	2.066	N	97.670	E	33	N	4.5	1.2	22	NORTHERN SUMATERA, INDONESIA
12	23	18	55.8*	45.906	N	16.145	E	10	G		0.6	9	NORTHWESTERN BALKAN REGION. ML 2.6 (VIE). Felt at Kasina, Croatia.
12	23	59	54.9	44.880	N	10.696	E	5	G		0.8	16	NORTHERN ITALY. ML 2.5 (LDG).
13	00	00	29.1&	57.390	N	154.366	W	25				4	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
13	00	17	32.1?	52.94	N	171.91	E	33	N	3.2	0.7	5	NEAR ISLANDS, ALEUTIAN ISLANDS
13	00	28	43.9*	8.534	N	126.083	E	33	N	4.5	1.1	32	MINDANAO, PHILIPPINE ISLANDS
13	00	56	46.9*	8.947	S	109.634	W	10	G	4.7 4.8	1.2	34	CENTRAL EAST PACIFIC RISE. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:56:49.2; Lat 8.92 S; Lon 109.86 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.14, Plg=18, Azm=126; (N) Val=-0.13, Plg=66, Azm=350; (P) Val=-1.01, Plg=15, Azm=221; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=264, Dip=66, Slip=2; NP2: Strike=174, Dip=89, Slip=156.
13	01	19	58.1?	29.57	S	177.58	W	33	N	4.3	1.2	12	KERMADEC ISLANDS, NEW ZEALAND
13	01	23	02.7*	16.386	N	46.680	W	10	G		1.0	11	NORTHERN MID-ATLANTIC RIDGE
13	01	37	05.1*	41.665	S	42.626	E	10	G	4.3	1.1	15	PRINCE EDWARD ISLANDS REGION
13	01	50	10.6?	51.16	S	138.23	E	10	G	4.2	0.9	10	SOUTH OF AUSTRALIA
13	02	15	33.7?	1.33	N	94.21	W	10	G	3.6	0.6	9	GALAPAGOS ISLANDS REGION
13	02	18	29.4?	1.24	N	94.31	W	10	G	4.3	1.3	12	GALAPAGOS ISLANDS REGION
13	02	23	52.4	44.094	N	7.773	E	5	G		0.3	12	NORTHERN ITALY. ML 1.8 (GEN), 1.6 (LDG).
13	02	45	39.2?	42.47	N	12.62	E	5	G		1.1	14	CENTRAL ITALY. ML 2.6 (LDG).
13	02	58	42.0	46.736	N	10.393	E	5	G		1.0	50	NORTHERN ITALY. ML 3.4 (STR), 3.3 (GRF), 3.3 (FUR), 3.1 (VIE), 2.9 (LDG).
13	03	06	03.2?	8.10	N	75.40	W	150	G	3.5	0.9	8	NORTHERN COLOMBIA
13	03	56	46.5&	38.817	N	122.809	W	4				10	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
13	04	24	04.3*	54.472	N	165.413	W	77	*	3.3	1.4	17	FOX ISLANDS, ALEUTIAN ISLANDS
13	05	29	51.2*	31.648	S	178.242	W	200	G	4.6	1.2	24	KERMADEC ISLANDS REGION
13	05	38	30.2	31.824	N	130.281	E	33	N	5.6 5.8	1.3	241	KYUSHU, JAPAN. Mw 6.1 (GS), 6.1 (HRV). Ms 5.5 (BRK). Thirty-four people injured and five houses damaged (VI JMA) in the Sendai area. Felt as far as Fukuoka. Landslides occurred in Kagoshima Prefecture. Moment Tensor (GS): Dep 14; Principal axes (scale 10**18 Nm): (T) Val=1.35, Plg=1, Azm=154; (N) Val=0.10, Plg=88, Azm=271; (P) Val=-1.45, Plg=2, Azm=64; Best double couple:

														Mo=1.4*10**18 Nm; NP1: Strike=199, Dip=88, Slip=-179; NP2: Strike=109, Dip=89, Slip=-2. Centroid, Moment Tensor (HRV): Centroid origin time 05:38:32.1; Lat 32.00 N; Lon 130.26 E; Dep 16.2; Half-duration 2.5 sec; Principal axes (scale 10**18 Nm): (T) Val=1.39, Plg=1, Azm=147; (N) Val=0.05, Plg=69, Azm=53; (P) Val=-1.44, Plg=20, Azm=237; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=280, Dip=75, Slip=-14; NP2: Strike=14, Dip=77, Slip=-164.
13	05	43	40.0?	31.55	S	71.84	W	30	G			0.2	9	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
13	06	01	20.0&	39.090	N	2.007	W	5	G			0.8	7	SPAIN. mbLg 2.7 (MDD).
13	06	11	57.3*	33.937	N	59.492	E	10	G	4.2		1.1	27	NORTHERN IRAN
13	06	49	00.0*	6.290	N	123.283	E	600	G	4.5		1.1	23	MINDANAO, PHILIPPINE ISLANDS
13	07	02	15.7	43.353	N	137.021	E	300	G	4.6		1.0	75	EASTERN SEA OF JAPAN
13	07	30	52.6*	6.469	S	147.546	E	88		4.3		1.3	25	EASTERN NEW GUINEA REG., P.N.G.
13	07	48	03.3?	19.72	S	179.03	E	650	G	3.7		1.5	10	SOUTH OF FIJI ISLANDS
13	08	16	14.4?	8.97	N	124.19	E	33	N	4.4		0.6	7	MINDANAO, PHILIPPINE ISLANDS
13	08	18	21.1	44.568	N	7.312	E	10	G			0.7	27	NORTHERN ITALY. ML 2.5 (LDG), 2.4 (GEN), 2.1 (STR).
13	08	47	03.1*	5.743	S	133.600	E	33	N	4.3		1.2	12	ARU ISLANDS REGION, INDONESIA
13	09	23	02.0	45.031	N	7.392	E	10	G			1.4	24	NORTHERN ITALY. ML 2.7 (LDG), 2.5 (GEN), 2.5 (STR).
13	10	00	14.2&	44.415	N	8.293	E	5	G			0.2	14	NORTHERN ITALY. ML 2.2 (GEN).
13	10	19	58.4	44.248	N	9.918	E	10	G			0.8	30	NORTHERN ITALY. ML 2.8 (GEN), 2.7 (LDG).
13	10	33	05.9?	32.20	S	177.45	W	33	N	4.4		0.5	9	SOUTH OF KERMADEC ISLANDS
13	10	34	20.8	37.597	N	19.097	W	10	G	4.0		1.2	34	NORTH ATLANTIC OCEAN
13	11	26	22.9*	16.897	N	122.402	E	100	G	3.9		0.8	12	LUZON, PHILIPPINE ISLANDS
13	11	42	21.4	33.465	N	59.894	E	10	G	4.5	4.0	1.2	47	NORTHERN IRAN. One person killed and ten houses destroyed at Khunik Sar. Also felt at Birjand and Qaen.
13	11	42	38.1?	17.29	S	178.92	W	600	G	4.0		0.7	13	FIJI ISLANDS REGION
13	12	50	46.8?	18.86	N	104.62	W	33	N	3.1		1.2	12	NEAR COAST OF JALISCO, MEXICO
13	13	19	35.3	39.556	N	25.147	E	10	G			0.6	10	AEGEAN SEA. MD 3.7 (ISK).
13	13	21	24.5	14.608	S	167.124	E	33	N	4.7		1.1	90	VANUATU ISLANDS
13	14	13	45.7	36.411	N	70.945	E	196	D	6.1		1.0	460	HINDU KUSH REGION, AFGHANISTAN. Mw 6.5 (GS), 6.4 (HRV). Me 6.3 (GS). mb 6.4 (BRK). One person killed and eleven injured in the Malakand-Peshawar area, Pakistan. One person injured at Kabul, Afghanistan. Houses damaged in many parts of northern Pakistan and at Srinagar, Kashmir. Felt strongly throughout northeastern Afghanistan, northern Pakistan and Tajikistan. Felt (IV) at Chardzhev, Turkmenistan; (IV) at Daroot-Korgan and Sopu-Korgon, Kyrgyzstan; (III) at Shymkent, Kazakhstan; (II) at Bishkek, Kyrgyzstan. Felt in Himachal Pradesh and as far as Delhi, India. Broadband Source Parameters (GS): Dep 196; NP1: Strike=75, Dip=60, Slip=70; NP2: Strike=291, Dip=36, Slip=121; Radiated energy 6.7*10**13 Nm. Moment Tensor (GS): Dep 189; Principal axes (scale 10**18 Nm): (T) Val=6.05, Plg=70, Azm=285; (N) Val=-0.24, Plg=14, Azm=60; (P) Val=-5.81, Plg=14, Azm=153; Best double couple: Mo=5.9*10**18 Nm; NP1: Strike=262, Dip=34, Slip=116; NP2: Strike=51, Dip=60, Slip=74. Centroid, Moment Tensor (HRV): Centroid origin time 14:13:48.8; Lat 36.51 N; Lon 70.68 E; Dep 189.1; Half-duration 4.0 sec; Principal axes (scale 10**18 Nm): (T) Val=5.13, Plg=66, Azm=277; (N) Val=-0.23, Plg=20, Azm=65; (P) Val=-4.90, Plg=12, Azm=159; Best double couple: Mo=5.0*10**18 Nm; NP1: Strike=273, Dip=38, Slip=124; NP2: Strike=52, Dip=60, Slip=66.
13	15	22	15.1?	51.34	S	138.20	E	10	G	4.2		1.2	8	SOUTH OF AUSTRALIA
13	15	24	03.2	51.567	N	16.563	E	5	G			0.8	11	POLAND. ML 3.2 (VIE).
13	17	11	36.6*	0.018	N	16.712	W	10	G	4.4		1.3	20	NORTH OF ASCENSION ISLAND
13	17	27	55.0&	61.600	N	144.813	W	38					45	SOUTHERN ALASKA. <AEIC>. ML 4.0 (AEIC), 4.3 (PMR). Felt at Copper Center, Cordova and Valdez.
13	17	54	27.4	33.885	N	37.927	W	10	G	4.3		0.8	29	NORTHERN MID-ATLANTIC RIDGE
13	18	08	23.3&	63.196	N	150.389	W	114					27	CENTRAL ALASKA. <AEIC>.
13	18	37	01.6	51.614	N	16.151	E	5	G	3.8		1.0	38	POLAND. ML 4.3 (GRF), 4.1 (FUR), 4.1 (VIE).
13	18	41	52.4?	36.47	N	70.69	E	200	G			0.9	8	HINDU KUSH REGION, AFGHANISTAN
13	18	46	34.8?	41.92	N	13.12	E	10	G			1.2	14	SOUTHERN ITALY. ML 3.0 (VIE).
13	19	15	58.2	41.226	N	23.739	E	10	G	3.6		1.4	25	GREECE-BULGARIA BORDER REGION
13	20	02	08.9*	5.074	N	123.362	E	600	G	4.4		0.7	13	MINDANAO, PHILIPPINE ISLANDS
13	20	04	50.5&	36.282	N	120.456	W	11					13	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).
13	20	21	27.3	3.111	S	136.927	E	77	*	4.7		1.0	27	IRIAN JAYA, INDONESIA
13	20	37	44.1?	17.83	S	174.62	W	33	N	4.8		0.9	12	TONGA ISLANDS
13	20	39	45.2&	60.165	N	141.134	W	1					31	SOUTHEASTERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.6 (PMR).
13	20	56	05.2&	63.040	N	149.042	W	77					41	CENTRAL ALASKA. <AEIC>.
13	21	06	59.2*	44.874	S	117.651	E	10	G	3.8		0.8	12	SOUTH OF AUSTRALIA
13	21	13	00.3	39.197	N	90.598	E	33	N	3.4		0.8	14	SOUTHERN XINJIANG, CHINA
13	21	29	40.6	33.775	N	37.946	W	10	G	4.5		0.8	50	NORTHERN MID-ATLANTIC RIDGE
13	21	30	03.4&	32.812	S	71.664	W	10	G			0.5	11	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN). Felt (III) at Zapallar and (II) at Quintero, Valparaiso, Villa Alemana and Vina del Mar.
13	21	31	05.6&	62.438	N	151.321	W	107					35	CENTRAL ALASKA. <AEIC>.
13	21	56	30.1	17.021	N	122.645	E	33	N	4.3		0.9	27	LUZON, PHILIPPINE ISLANDS
13	23	11	05.3&	61.053	N	150.767	W	59		4.7			152	SOUTHERN ALASKA. <AEIC>. ML 5.0 (AEIC), 5.0 (PMR). Felt (IV) at Anchorage, Big Lake, Eagle River, Palmer and Soldotna. Also felt at Butte, Kashwitna and Wasilla.
13	23	32	08.2	31.867	N	130.378	E	33	N	4.3	4.6	1.3	43	KYUSHU, JAPAN. Felt (IV JMA) at Kagoshima. Also felt in other parts of southern Kyushu.
13	23	46	44.3	36.405	N	70.925	E	200	G	4.2		1.0	24	HINDU KUSH REGION, AFGHANISTAN
13	23	47	27.0*	49.344	N	7.088	E	5	G			1.0	7	GERMANY. ML 2.6 (UCC). Mining induced event in the Lorraine region, France.
13	23	55	21.3?	36.19	N	4.72	W	10	G			0.5	7	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
14	00	35	33.4&	37.127	N	3.196	W	10	G			0.7	9	SPAIN. mbLg 2.6 (MDD).
14	01	21	57.7*	38.279	N	45.190	E	33	N			0.5	6	ARMENIA-AZERBAIJAN-IRAN BORD REG. Felt at Tasuj, Iran.

14	02	06	11.5%	30.712	N	137.648	E	484	*		0.5	9	SOUTH OF HONSHU, JAPAN
14	02	19	47.1*	31.485	S	178.320	W	150	G	4.6	1.1	24	KERMADEC ISLANDS REGION
14	02	22	29.9*	39.472	N	76.193	E	33	N	3.3	1.5	12	SOUTHERN XINJIANG, CHINA
14	02	31	46.1?	28.94	N	139.02	E	324	*	3.5	1.3	10	BONIN ISLANDS REGION
14	02	54	05.3%	11.124	N	60.741	W	5	G		1.3	7	WINDWARD ISLANDS. MD 2.5 (TRN).
14	03	00	46.5	19.627	N	70.286	W	54		4.7 4.3	1.1	118	DOMINICAN REPUBLIC REGION. Felt (V) at Gaspar Hernandez; (IV) at San Francisco de Macoris; (III) at Bonao, La Vega and Santiago; (II) at Santo Domingo.
14	03	08	36.4&	31.934	N	115.813	W	6	G			16	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.9 (PAS).
14	03	49	29.5	51.520	N	16.182	E	5	G	3.8	0.9	30	POLAND. ML 4.2 (GRF), 3.9 (FUR), 3.8 (VIE).
14	04	02	48.5*	32.994	S	70.030	W	110	G		0.3	12	CHILE-ARGENTINA BORDER REGION
14	04	04	44.5*	31.782	S	179.481	W	200	G	4.5	0.9	29	KERMADEC ISLANDS REGION
14	04	10	49.7*	27.073	N	140.214	E	464	*	3.9	0.9	16	BONIN ISLANDS REGION
14	04	25	47.3?	43.98	N	147.76	E	33	N		1.0	7	KURIL ISLANDS
14	05	05	49.9?	11.97	S	166.89	E	33	N		0.8	5	SANTA CRUZ ISLANDS
14	05	57	41.2?	51.34	S	139.32	E	10	G	4.2	1.4	12	SOUTH OF AUSTRALIA
14	06	11	07.8*	26.433	S	178.141	E	650	G	4.3	0.4	17	SOUTH OF FIJI ISLANDS
14	06	32	03.3&	60.082	N	141.131	W	0				22	SOUTHEASTERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.5 (PMR).
14	06	41	01.6?	16.33	S	174.03	W	33	N	4.2	1.2	7	TONGA ISLANDS
14	06	53	13.4?	38.18	N	74.15	E	179	?	3.2	1.2	8	TAJIKISTAN-XINJIANG BORDER REG.
14	07	50	01.8?	6.73	S	133.64	E	33	N	4.0	1.1	8	ARU ISLANDS REGION, INDONESIA
14	09	05	41.6*	20.293	S	178.081	W	500	G	4.1	0.2	8	FIJI ISLANDS REGION
14	10	12	43.5?	33.07	N	59.02	E	10	G		1.2	7	NORTHERN IRAN
14	10	27	58.5&	36.452	N	121.055	W	5				10	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
14	10	58	30.2	42.752	N	12.428	E	5	G		1.5	36	CENTRAL ITALY. ML 3.2 (LDG), 2.9 (VIE).
14	12	19	33.0*	43.059	N	0.592	W	5	G		0.7	5	PYRENEES. ML 3.2 (LDG). mbLg 3.1 (MDD). Felt (III) at Laruns, France.
14	12	40	35.9	51.656	N	16.198	E	5	G		1.2	11	POLAND. ML 3.7 (VIE).
14	13	05	28.9	29.855	N	131.980	E	33	N	3.9	0.6	16	SOUTHEAST OF RYUKYU ISLANDS
14	13	41	01.9*	37.947	S	71.474	W	48	*	3.7	1.5	16	S. CHILE-ARGENTINA BORDER REGION
14	14	02	53.7?	7.46	S	128.44	E	100	G	3.7	1.4	10	BANDA SEA
14	14	14	16.8	33.109	N	60.272	E	10	G	4.8	1.1	98	NORTHERN IRAN
14	14	48	12.8?	50.99	S	137.97	E	10	G	4.2	0.8	7	SOUTH OF AUSTRALIA
14	15	06	38.3*	59.111	S	25.520	W	33	N	4.2	0.9	16	SOUTH SANDWICH ISLANDS REGION
14	15	48	40.5	14.460	N	93.700	W	33	N	4.7 4.1	1.1	72	NEAR COAST OF CHIAPAS, MEXICO
14	16	17	30.2?	5.39	S	131.20	E	33	N	3.9	1.5	9	BANDA SEA
14	16	29	56.9?	3.74	S	139.35	E	33	N	3.6	1.5	7	IRIAN JAYA, INDONESIA
14	16	33	02.6*	50.027	N	178.327	W	33	N		0.6	8	ANDREANOF ISLANDS, ALEUTIAN IS.
14	16	47	58.3?	11.08	S	165.15	E	33	N		1.3	6	SANTA CRUZ ISLANDS
14	17	04	57.7&	66.234	N	149.698	W	9				15	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
14	17	11	21.4*	26.966	S	176.616	W	33	N	4.5	1.2	30	SOUTH OF FIJI ISLANDS
14	17	23	00.9	44.482	N	7.117	E	5	G		0.6	48	NORTHERN ITALY. ML 2.9 (LDG), 2.9 (GEN), 2.7 (STR).
14	18	02	25.8*	50.283	N	176.157	W	33	N		1.1	8	ANDREANOF ISLANDS, ALEUTIAN IS.
14	18	11	27.0	47.048	N	92.898	E	33	N	4.6 4.1	0.9	48	MONGOLIA
14	18	25	11.5&	40.427	N	125.170	W	1				11	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.3 (BRK).
14	18	39	24.0%	37.994	N	1.204	W	10	G		0.8	7	SPAIN. mbLg 2.7 (MDD).
14	18	47	29.2%	45.366	N	151.065	E	33	N		0.9	11	KURIL ISLANDS
14	20	17	01.6*	6.221	S	146.511	E	100	G	3.9	1.5	16	EASTERN NEW GUINEA REG., P.N.G.
14	21	11	08.5?	28.24	N	140.32	E	400	G	4.8	1.5	13	BONIN ISLANDS REGION
14	21	14	40.8	3.913	S	28.681	E	10	G	4.4 3.7	0.9	36	LAKE TANGANYIKA REGION
14	21	46	37.4?	14.48	S	166.82	E	200	G	4.4	1.3	27	VANUATU ISLANDS
14	22	41	04.4*	3.879	S	141.565	E	124	*	4.4	1.1	20	NEW GUINEA, PAPUA NEW GUINEA
14	23	32	18.6	28.356	N	54.186	E	33	N	4.0	0.9	32	SOUTHERN IRAN
14	23	35	33.3%	11.482	N	60.978	W	5	G		1.2	11	WINDWARD ISLANDS. MD 3.8 (TRN).
15	00	24	03.7	45.222	N	6.622	E	5	G		1.1	105	FRANCE. ML 3.9 (STR), 3.8 (LDG), 3.7 (VIE), 3.6 (GEN), 3.6 (FUR).
15	01	08	47.8*	3.315	S	134.733	E	33	N	4.4	1.1	27	IRIAN JAYA REGION, INDONESIA
15	01	47	16.9&	59.970	N	153.223	W	129				34	SOUTHERN ALASKA. <AEIC>.
15	02	11	31.0&	54.025	N	163.347	W	25				11	UNIMAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
15	03	21	11.9%	45.966	N	6.773	E	5	G		0.8	9	FRANCE. ML 2.0 (LDG).
15	03	58	18.4*	32.557	S	178.727	W	50	G	4.6	1.2	18	SOUTH OF KERMADEC ISLANDS
15	03	58	32.5	34.257	N	89.833	E	33	N	5.0 4.3	0.8	134	XIZANG
15	04	26	19.7*	34.435	N	89.880	E	33	N	4.6	1.4	16	XIZANG
15	04	39	21.5	14.460	N	89.775	W	274	D	4.9	0.9	254	GUATEMALA. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:39:26.3; Lat 14.53 N; Lon 89.85 W; Dep 272.9; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.07, Plg=51, Azm=64; (N) Val=-0.12, Plg=1, Azm=333; (P) Val=-1.95, Plg=39, Azm=242; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=323, Dip=6, Slip=80; NP2: Strike=153, Dip=84, Slip=91.
15	05	01	05.5%	44.647	N	7.174	E	5	G		0.6	12	NORTHERN ITALY. ML 2.2 (GEN).
15	07	28	40.7?	2.00	N	125.68	E	33	N	4.0	0.8	8	NORTHERN MOLUCCA SEA
15	08	22	10.8?	18.80	S	168.55	E	33	N	4.7	0.9	5	VANUATU ISLANDS
15	10	05	13.7	35.319	N	27.296	E	35		4.3	1.3	100	DODECANESE ISLANDS
15	10	07	53.8	35.311	N	27.291	E	33	N	4.0	1.1	43	DODECANESE ISLANDS
15	10	43	51.4*	24.757	N	121.839	E	150	G	3.7	1.4	13	TAIWAN
15	11	19	58.9*	52.855	N	152.504	E	500	G	4.2	0.7	11	NORTHWEST OF KURIL ISLANDS
15	11	40	49.3	42.888	N	13.419	E	5	G		1.4	78	CENTRAL ITALY. ML 3.8 (VIE), 3.5 (LDG).
15	11	42	47.9*	10.514	S	162.191	E	33	N	4.2	0.7	7	SOLOMON ISLANDS
15	12	08	14.4?	51.06	S	139.13	E	10	G	4.2	1.4	9	SOUTH OF AUSTRALIA
15	12	28	04.6*	52.142	N	174.036	W	98	*	4.7	0.7	11	ANDREANOF ISLANDS, ALEUTIAN IS.
15	12	35	46.9?	29.93	N	67.73	E	33	N	4.5 4.1	1.5	15	PAKISTAN
15	12	48	20.9	32.934	N	60.261	E	10	G	4.5	1.0	24	NORTHERN IRAN
15	13	18	16.6*	14.301	S	177.956	W	33	N	4.5	0.8	35	FIJI ISLANDS REGION
15	13	31	53.2&	34.372	N	116.878	W	4				30	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt at Big Bear Lake.
15	14	12	43.7	20.619	S	174.237	W	33	N	4.4	0.6	22	TONGA ISLANDS
15	14	29	02.6&	33.879	N	118.460	W	10				26	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt at Inglewood, Venice and other cities near the Los Angeles International Airport.
15	14	53	19.7?	51.27	S	139.60	E	10	G	4.0	1.3	9	SOUTH OF AUSTRALIA

15 15 08 46.1& 31.772 N 115.989 W 6 G 21 BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.0 (PAS).
15 15 50 09.1* 0.869 S 24.449 W 10 G 4.3 1.1 17 CENTRAL MID-ATLANTIC RIDGE
15 15 52 32.8? 0.94 S 24.54 W 10 G 4.0 1.2 9 CENTRAL MID-ATLANTIC RIDGE
15 15 54 50.3 16.960 S 173.520 W 33 N 5.4 5.1 0.9 267 TONGA ISLANDS. Mw 5.5 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 15:54:56.2; Lat 16.96 S; Lon 172.91 W; Dep 30.7; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.83, Plg=66, Azm=50; (N) Val=-0.07, Plg=0, Azm=319; (P) Val=-1.76, Plg=24, Azm=229; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=319, Dip=21, Slip=90; NP2: Strike=139, Dip=69, Slip=90.
15 16 24 31.9? 0.02 N 16.69 W 10 G 1.4 10 NORTH OF ASCENSION ISLAND
15 16 45 10.1& 36.846 N 121.575 W 6 10 CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM).
15 16 55 30.1? 44.54 N 7.34 E 5 G 0.1 4 NORTHERN ITALY. ML 1.8 (GEN).
15 18 01 33.2 21.628 S 169.878 E 33 N 5.3 5.6 1.0 137 LOYALTY ISLANDS REGION. Mw 6.0 (HRV), 5.8 (GS).
Moment Tensor (GS): Dep 21; Principal axes (scale 10**17 Nm): (T) Val=6.29, Plg=71, Azm=48; (N) Val=-0.21, Plg=6, Azm=154; (P) Val=-6.08, Plg=18, Azm=246; Best double couple: Mo=6.2*10**17 Nm; NP1: Strike=345, Dip=28, Slip=102; NP2: Strike=152, Dip=63, Slip=84.
Centroid, Moment Tensor (HRV): Centroid origin time 18:01:41.2; Lat 21.65 S; Lon 169.53 E; Dep 20.0 Bdy; Half-duration 2.3 sec; Principal axes (scale 10**17 Nm): (T) Val=9.28, Plg=74, Azm=44; (N) Val=0.43, Plg=3, Azm=147; (P) Val=-9.72, Plg=15, Azm=238; Best double couple: Mo=9.5*10**17 Nm; NP1: Strike=333, Dip=30, Slip=97; NP2: Strike=145, Dip=60, Slip=86.
15 18 14 02.7& 60.234 N 152.920 W 125 7 SOUTHERN ALASKA. <AEIC>.
15 18 17 19.5? 44.53 N 7.32 E 10 G 0.1 4 NORTHERN ITALY. ML 1.8 (GEN).
15 18 28 32.0& 44.467 N 7.249 E 10 G 0.3 6 NORTHERN ITALY. ML 2.0 (GEN).
15 18 30 24.2 36.400 N 70.855 E 185 D 5.0 1.0 202 HINDU KUSH REGION, AFGHANISTAN
15 19 37 00.8* 4.333 N 125.992 E 100 G 4.2 0.9 8 TALAUD ISLANDS, INDONESIA
15 19 48 15.7& 11.048 N 60.761 W 5 G 0.6 5 WINDWARD ISLANDS. MD 2.9 (TRN).
15 20 10 09.9* 38.526 S 175.964 E 33 N 0.9 9 NORTH ISLAND, NEW ZEALAND
15 21 06 22.9* 10.078 N 121.724 E 33 N 4.7 1.0 21 PANAY, PHILIPPINE ISLANDS
15 21 42 36.4* 27.477 N 127.805 E 147 * 4.3 1.1 15 RYUKYU ISLANDS
15 22 11 26.2* 1.775 N 30.587 W 10 G 4.6 1.0 16 CENTRAL MID-ATLANTIC RIDGE
15 23 53 28.0 63.265 N 152.062 W 33 N 1.0 12 CENTRAL ALASKA. ML 3.5 (PMR).
16 00 00 57.5? 31.18 S 177.29 W 45 D 4.3 0.9 13 KERMADEC ISLANDS REGION
16 00 11 54.9& 41.830 N 84.068 E 33 N 0.8 8 SOUTHERN XINJIANG, CHINA
16 01 23 19.8 40.612 N 114.986 W 5 G 1.3 61 NEVADA. ML 4.4 (GS).
16 01 52 14.7* 21.634 S 169.834 E 33 N 4.7 4.6 1.2 50 LOYALTY ISLANDS REGION
16 01 58 04.8* 43.105 N 15.072 E 10 G 1.2 24 ADRIATIC SEA. ML 3.3 (LDG).
16 05 34 21.0* 7.425 N 73.045 W 100 G 4.0 0.6 7 NORTHERN COLOMBIA
16 06 14 56.3* 24.579 N 122.256 E 111 D 4.5 0.8 26 TAIWAN REGION
16 07 00 48.3 41.051 N 20.170 E 10 G 5.4 5.3 1.4 260 ALBANIA. Mw 5.4 (HRV). ML 4.9 (ROM). Damage to older houses in the Lake Ohrid area. Felt at Edhessa, Florina, Kastoria and Kozani, Greece.
Centroid, Moment Tensor (HRV): Centroid origin time 07:00:54.0; Lat 41.06 N; Lon 20.14 E; Dep 20.5; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.37, Plg=19, Azm=88; (N) Val=-0.13, Plg=25, Azm=349; (P) Val=-1.24, Plg=57, Azm=211; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=213, Dip=34, Slip=-40; NP2: Strike=338, Dip=69, Slip=-117.
16 07 43 18.1& 44.411 N 8.817 E 10 G 0.4 11 NORTHERN ITALY. ML 1.9 (GEN).
16 09 16 58.8& 44.400 N 7.391 E 10 G 0.5 12 NORTHERN ITALY. ML 2.1 (GEN).
16 09 25 40.3 59.981 S 18.646 W 10 G 4.9 1.1 33 SOUTHWESTERN ATLANTIC OCEAN. Mw 5.2 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 09:25:43.7; Lat 60.58 S; Lon 18.27 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.62, Plg=13, Azm=275; (N) Val=2.33, Plg=26, Azm=12; (P) Val=-8.95, Plg=61, Azm=160; Best double couple: Mo=7.8*10**16 Nm; NP1: Strike=335, Dip=39, Slip=-133; NP2: Strike=206, Dip=63, Slip=-61.
16 09 58 22.8 6.422 S 149.476 E 33 N 4.7 0.9 20 NEW BRITAIN REGION, P.N.G.
16 10 34 36.9& 32.228 N 116.692 W 6 G 4 CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.2 (PAS). Felt at La Mesa, California.
16 11 18 07.7 30.285 N 96.993 E 33 N 5.2 4.9 0.8 202 XIZANG
16 12 04 00.4* 81.343 N 6.675 E 10 G 1.2 12 SVALBARD REGION
16 12 45 31.8& 33.474 N 118.258 W 0 22 SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
16 13 24 00.7 49.983 N 155.173 E 102 D 4.0 0.9 31 KURIL ISLANDS
16 13 44 26.1* 30.092 N 96.866 E 33 N 4.2 1.4 14 XIZANG
16 14 16 57.2 21.647 S 169.890 E 33 N 5.2 5.3 1.1 141 LOYALTY ISLANDS REGION. Mw 5.7 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 14:17:03.8; Lat 21.68 S; Lon 169.63 E; Dep 26.8; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.35, Plg=69, Azm=8; (N) Val=0.07, Plg=9, Azm=123; (P) Val=-3.43, Plg=19, Azm=216; Best double couple: Mo=3.4*10**17 Nm; NP1: Strike=321, Dip=27, Slip=111; NP2: Strike=118, Dip=65, Slip=80.
16 14 31 20.8 71.760 N 1.671 W 10 G 4.5 4.1 1.1 59 JAN MAYEN ISLAND REGION
16 16 21 17.6 43.660 N 8.463 E 10 G 0.7 37 CORSICA. ML 2.9 (GEN), 2.7 (LDG), 2.5 (STR).
16 16 21 43.7? 17.24 S 179.37 W 600 G 4.4 1.1 15 FIJI ISLANDS REGION
16 16 37 22.7* 26.012 N 128.608 E 30 D 4.2 1.0 12 RYUKYU ISLANDS
16 17 49 38.4? 26.13 N 128.57 E 33 N 3.5 0.7 7 RYUKYU ISLANDS
16 17 50 09.6 0.029 S 16.734 W 10 G 4.9 4.7 1.1 123 NORTH OF ASCENSION ISLAND. Mw 5.2 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 17:50:13.1; Lat 0.24 N; Lon 16.85 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.29, Plg=9, Azm=53; (N) Val=-1.39, Plg=3, Azm=322; (P) Val=-6.90, Plg=80, Azm=217; Best double couple: Mo=7.6*10**16 Nm; NP1: Strike=146, Dip=36, Slip=-85; NP2:

Strike=320, Dip=54, Slip=-93.

16	18	31	52.3&	59.148	N	151.409	W	37				12	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
16	18	33	06.1*	51.246	N	15.635	E	5	G		1.5	9	POLAND. ML 3.2 (VIE).
16	18	38	21.5	21.497	S	177.396	W	291	D	4.7	0.9	107	FIJI ISLANDS REGION
16	18	44	27.9%	44.387	N	7.234	E	10	G		0.3	9	NORTHERN ITALY. ML 1.8 (GEN).
16	18	50	42.8	9.122	N	126.082	E	132	*	4.8	0.9	36	MINDANAO, PHILIPPINE ISLANDS
16	19	36	36.5&	33.355	N	116.360	W	6	G			23	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
16	21	17	55.2	11.036	N	60.944	W	5	G	4.8	0.8	75	WINDWARD ISLANDS. MD 4.1 (TRN).
16	22	13	43.2?	34.68	N	137.22	E	318	*		1.1	9	NEAR S. COAST OF HONSHU, JAPAN
16	22	20	40.8&	34.969	N	116.940	W	4				27	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
16	22	41	03.5	55.584	N	162.543	E	33	N	5.2 4.7	0.9	273	NEAR EAST COAST OF KAMCHATKA. Mw 5.5 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 22:41:09.5; Lat 55.59 N; Lon 163.10 E; Dep 31.0 Bdy; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.17, Plg=52, Azm=297; (N) Val=-0.44, Plg=29, Azm=72; (P) Val=-1.73, Plg=22, Azm=175; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=306, Dip=34, Slip=149: NP2: Strike=63, Dip=73, Slip=60.
16	22	46	10.9*	24.978	S	177.830	W	300	G	4.5	1.0	17	SOUTH OF FIJI ISLANDS
16	23	43	20.4*	8.569	N	58.420	E	10	G	4.5	0.9	34	CARLSBERG RIDGE
17	00	15	53.7%	44.486	N	6.845	E	5	G		0.6	11	FRANCE. ML 2.0 (GEN).
17	00	26	14.6	8.421	N	58.395	E	10	G	5.1 5.0	1.0	177	CARLSBERG RIDGE. Mw 5.3 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 00:26:15.9; Lat 8.48 N; Lon 58.16 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.36, Plg=1, Azm=35; (N) Val=0.38, Plg=7, Azm=125; (P) Val=-8.74, Plg=83, Azm=301; Best double couple: Mo=8.6*10**16 Nm; NP1: Strike=118, Dip=45, Slip=-100; NP2: Strike=312, Dip=46, Slip=-80.
17	01	10	59.9?	44.43	N	7.25	E	10	G		0.3	4	NORTHERN ITALY. ML 1.3 (GEN).
17	01	15	38.3?	8.72	N	58.62	E	10	G		1.2	17	CARLSBERG RIDGE
17	01	28	24.3	62.924	N	2.673	E	10	G	3.4	0.5	7	NORWEGIAN SEA
17	01	41	25.3*	7.515	N	127.727	E	33	N	4.4	0.9	11	PHILIPPINE ISLANDS REGION
17	01	50	33.2	44.781	N	10.634	E	10	G		1.4	22	NORTHERN ITALY. ML 2.7 (VIE).
17	02	10	18.9	27.162	S	69.499	W	106	D	5.5	0.9	290	NORTHERN CHILE. Mw 5.5 (GS), 5.5 (HRV). Felt (V) at Copiapo; (IV) at El Salvador, Inca de Oro and Potrerillos; (III) at Diego de Almagro; (II) at Taltal.
													Moment Tensor (GS): Dep 114; Principal axes (scale 10**17 Nm): (T) Val=1.90, Plg=26, Azm=274; (N) Val=0.00, Plg=27, Azm=170; (P) Val=-1.90, Plg=51, Azm=41; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=48, Dip=31, Slip=-28; NP2: Strike=162, Dip=76, Slip=-118.
													Centroid, Moment Tensor (HRV): Centroid origin time 02:10:26.0; Lat 27.06 S; Lon 70.06 W; Dep 121.1; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.17, Plg=36, Azm=220; (N) Val=0.37, Plg=23, Azm=328; (P) Val=-2.54, Plg=45, Azm=83; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=251, Dip=23, Slip=-168; NP2: Strike=150, Dip=85, Slip=-67.
17	02	28	28.6	6.044	S	150.273	E	33	N	4.8 4.6	0.9	43	NEW BRITAIN REGION, P.N.G. ML 4.7 (PMG).
17	02	52	44.4*	31.729	S	178.988	W	33	N	4.5	1.1	21	KERMADEC ISLANDS REGION
17	03	06	14.2*	14.059	N	145.412	E	82	*	4.2	1.4	34	MARIANA ISLANDS. Felt on Guam.
17	03	07	29.1	29.780	N	68.237	E	13	D	4.6 4.4	1.0	76	PAKISTAN
17	03	58	23.7	39.525	N	76.974	E	33	N	4.9 4.9	0.9	194	SOUTHERN XINJIANG, CHINA. One person injured at Jiashi.
17	04	18	01.4*	17.399	S	179.005	W	600	G	4.4	0.4	14	FIJI ISLANDS REGION
17	04	37	47.0*	5.813	S	147.085	E	77	*	3.8	1.7	14	EASTERN NEW GUINEA REG., P.N.G.
17	04	46	38.5?	21.33	S	169.73	E	33	N	4.2	1.4	13	LOYALTY ISLANDS REGION
17	05	29	01.0&	33.630	N	116.756	W	15				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS). Felt at Palm Springs.
17	05	56	18.3&	33.629	N	116.752	W	14				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
17	06	20	11.4*	40.084	N	21.710	E	71	*		0.8	13	GREECE
17	07	00	15.8*	44.970	N	28.551	E	33	N		0.8	7	ROMANIA
17	08	08	17.5	44.135	N	7.116	E	10	G		0.4	18	NORTHERN ITALY. ML 2.1 (GEN), 1.9 (LDG).
17	08	58	07.8&	57.266	N	155.600	W	74		3.9		85	ALASKA PENINSULA. <AEIC>.
17	09	03	56.4?	28.27	N	60.24	E	33	N	3.7	1.4	10	SOUTHERN IRAN
17	09	40	26.9&	61.698	N	149.591	W	37				35	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
17	10	52	52.0?	3.38	S	142.85	E	81	*	3.6	0.5	7	NEAR N COAST OF NEW GUINEA, PNG.
17	11	51	24.3%	46.018	N	0.712	W	10	G		1.0	14	FRANCE. ML 2.5 (LDG).
17	12	44	12.4	5.821	S	153.285	E	33	N	4.5	1.3	33	NEW IRELAND REGION, P.N.G.
17	13	00	24.3*	5.682	S	147.073	E	127	*	4.0	1.2	12	EASTERN NEW GUINEA REG., P.N.G.
17	13	39	37.2?	5.19	N	82.23	W	10	G	3.9	1.2	14	SOUTH OF PANAMA
17	13	41	17.2?	9.77	S	122.48	E	150	G	3.7	1.1	6	SAVU SEA
17	14	48	58.2*	5.325	S	150.737	E	118	*	3.8	0.5	10	NEW BRITAIN REGION, P.N.G.
17	14	50	22.0*	5.462	S	154.076	E	185	?	4.3	0.8	20	SOLOMON ISLANDS
17	15	04	46.5&	53.281	N	167.160	W	70				19	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>.
17	15	04	48.6?	23.62	N	123.51	E	33	N	4.0	1.1	5	SOUTHWESTERN RYUKYU ISLANDS
17	15	26	30.3?	34.52	S	70.32	W	5	G		0.5	9	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
17	15	28	19.4	37.421	N	69.068	E	33	N	4.3	0.9	22	AFGHANISTAN-TAJIKISTAN BORD REG.
17	15	39	08.2?	9.62	S	125.78	E	153	?	3.7	1.0	5	TIMOR REGION, INDONESIA
17	16	38	44.3*	0.257	S	123.168	E	110	?	4.5	1.2	26	MINAHASSA PENINSULA, SULAWESI
17	17	13	43.2	44.428	N	7.207	E	10	G		0.7	15	NORTHERN ITALY. ML 2.0 (GEN), 1.7 (LDG).
17	17	41	12.3*	26.690	S	71.795	E	10	G	4.1	0.8	15	MID-INDIAN RIDGE
17	19	00	01.4*	34.683	N	67.615	E	33	N		0.9	17	AFGHANISTAN
17	19	00	32.1?	32.29	S	70.93	W	80	G		0.4	8	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
17	19	03	03.4*	11.342	S	161.029	E	33	N	4.3	1.3	16	SOLOMON ISLANDS
17	19	10	35.5*	19.416	S	169.565	E	33	N	4.4 4.6	1.3	28	VANUATU ISLANDS
17	19	17	24.0*	2.807	S	139.048	E	33	N	4.5	1.1	23	NEAR NORTH COAST OF IRIAN JAYA
17	19	27	55.3?	14.01	N	91.63	W	200	G	3.8	0.9	10	GUATEMALA
17	19	34	52.9?	44.48	N	6.67	E	5	G		0.4	7	FRANCE. ML 1.9 (GEN).
17	19	51	53.8?	12.80	N	90.77	W	33	N	4.4	1.0	9	OFF COAST OF CENTRAL AMERICA
17	20	17	36.7%	34.512	S	70.389	W	5	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
17	21	24	58.4	32.399	N	130.650	E	33	N	4.5 3.9	1.1	42	KYUSHU, JAPAN
17	21	35	34.1	51.664	N	16.153	E	5	G		0.8	13	POLAND. ML 3.3 (GRF).

17	22	26	56.9*	36.146	N	140.176	E	77	*			1.0	6	NEAR EAST COAST OF HONSHU, JAPAN
18	00	00	44.0	9.839	S	78.791	W	54	D	4.5		0.8	39	NEAR COAST OF NORTHERN PERU
18	00	56	25.8*	51.371	N	176.373	W	33	N			1.1	9	ANDREANOF ISLANDS, ALEUTIAN IS.
18	01	10	38.6*	19.500	S	169.730	E	33	N	4.4	4.4	1.1	22	VANUATU ISLANDS
18	01	14	03.0&	37.492	N	72.333	E	200	G			1.0	7	TAJIKISTAN
18	01	14	04.6?	29.03	S	177.86	W	33	N	4.3		1.3	13	KERMADEC ISLANDS, NEW ZEALAND
18	01	29	11.9*	53.562	N	160.199	E	33	N			0.5	8	NEAR EAST COAST OF KAMCHATKA
18	01	35	40.0&	45.290	N	0.316	W	5	G			1.0	18	FRANCE. ML 2.8 (LDG).
18	01	49	17.7?	18.79	N	121.32	E	33	N	4.1		1.4	9	LUZON, PHILIPPINE ISLANDS
18	02	33	27.2*	31.313	N	56.458	E	33	N	4.0		1.5	20	NORTHERN IRAN
18	02	57	47.0	17.233	S	175.400	W	300	G	4.6		0.9	37	TONGA ISLANDS
18	03	00	06.9?	31.67	S	178.76	W	33	N	4.6		0.4	9	KERMADEC ISLANDS REGION
18	03	02	08.9	41.064	N	20.249	E	10	G	4.2		1.1	77	ALBANIA. Felt throughout the southwestern part of the former Yugoslav Republic of Macedonia.
18	04	58	34.2	30.427	S	177.414	W	33	N	5.4	5.4	1.2	138	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.6 (GS), 5.6 (HRV). Moment Tensor (GS): Dep 14; Principal axes (scale 10**17 Nm): (T) Val=2.98, Plg=47, Azm=266; (N) Val=-0.48, Plg=8, Azm=5; (P) Val=-2.50, Plg=42, Azm=103; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=261, Dip=9, Slip=166; NP2: Strike=5, Dip=88, Slip=82. Centroid, Moment Tensor (HRV): Centroid origin time 04:58:37.3; Lat 30.31 S; Lon 176.94 W; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.37, Plg=67, Azm=277; (N) Val=0.45, Plg=1, Azm=10; (P) Val=-2.82, Plg=23, Azm=100; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=192, Dip=22, Slip=93; NP2: Strike=9, Dip=68, Slip=89.
18	05	10	56.2*	30.338	S	177.279	W	33	N	4.8		1.3	21	KERMADEC ISLANDS, NEW ZEALAND
18	05	21	59.6?	30.10	S	177.36	W	33	N	4.5		1.1	12	KERMADEC ISLANDS, NEW ZEALAND
18	05	48	09.1?	3.05	N	128.53	E	243	?	4.3		0.6	17	NORTH OF HALMAHERA, INDONESIA
18	06	16	07.2?	12.32	N	143.86	E	33	N			0.5	5	SOUTH OF MARIANA ISLANDS
18	06	43	34.0&	49.013	N	1.987	W	5	G			0.6	6	FRANCE. ML 2.4 (LDG).
18	06	44	24.4?	47.86	N	153.84	E	33	N			1.3	14	KURIL ISLANDS
18	07	08	32.6	20.635	S	174.647	W	62	D	5.1		1.0	68	TONGA ISLANDS
18	07	09	42.8*	36.827	N	12.871	E	10	G			1.4	30	CENTRAL MEDITERRANEAN SEA. MD 3.6 (ROM).
18	08	28	08.1&	48.669	N	122.355	W	13					55	WASHINGTON. <SEA-P>. MD 3.2 (SEA). Felt.
18	08	49	14.6&	31.851	N	130.417	E	10	G			1.9	5	KYUSHU, JAPAN
18	09	45	19.1*	7.511	S	155.064	E	33	N	3.4		0.9	7	SOLOMON ISLANDS
18	09	56	08.7*	3.645	N	126.875	E	83	*	4.7		1.0	31	TALAUD ISLANDS, INDONESIA
18	10	01	29.0	54.081	N	165.307	W	67		4.8		1.0	142	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.8 (AEIC).
18	10	27	48.4?	10.40	S	155.78	E	33	N	3.8		0.7	5	D'ENTRECASTEAUX ISLANDS REGION
18	10	48	52.4	42.251	N	2.236	E	5	G			1.3	14	PYRENEES. ML 2.7 (LDG).
18	10	55	11.9?	31.69	S	70.36	W	130	G			0.3	7	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
18	11	02	22.3	51.578	N	16.463	E	5	G			0.5	9	POLAND. ML 3.1 (VIE).
18	11	45	46.3*	30.831	N	68.121	E	33	N			1.1	12	PAKISTAN
18	11	57	44.6?	12.81	S	165.86	E	33	N	4.4		1.3	13	SANTA CRUZ ISLANDS
18	12	11	25.7*	32.373	N	130.787	E	10	G			1.4	12	KYUSHU, JAPAN
18	12	14	09.5	6.016	N	126.005	E	149		4.8		0.8	29	MINDANAO, PHILIPPINE ISLANDS
18	12	34	48.8*	23.521	N	142.833	E	79	*			0.7	14	VOLCANO ISLANDS REGION
18	13	10	21.9*	29.915	N	68.360	E	33	N	4.7		1.4	18	PAKISTAN
18	13	15	19.5	38.031	N	1.256	W	10	G			1.0	13	SPAIN. mbLg 3.7 (MDD). Felt (III) in the Alcantarilla area.
18	13	40	48.4	52.835	N	168.414	W	33	N	4.4		1.0	40	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
18	13	41	29.4?	19.53	S	169.48	E	33	N	4.2		1.4	13	VANUATU ISLANDS
18	14	21	23.3&	64.987	N	148.553	W	17					23	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
18	14	48	58.7&	54.560	N	161.592	W	10					14	ALASKA PENINSULA. <AEIC>. ML 2.7 (AEIC).
18	14	49	06.9&	40.277	N	121.878	W	0					9	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
18	15	08	51.5	57.917	S	25.406	W	33	N	4.5		1.0	25	SOUTH SANDWICH ISLANDS REGION
18	15	42	48.8	21.481	N	145.354	E	53	*	4.8	4.6	1.2	93	MARIANA ISLANDS REGION
18	16	08	46.9	7.968	S	120.171	E	201	D	5.3		1.0	126	FLORES SEA
18	16	18	54.2	8.274	S	122.054	E	33	N	4.7		1.1	42	FLORES REGION, INDONESIA
18	16	54	53.2*	30.261	S	177.307	W	33	N	4.8		1.1	22	KERMADEC ISLANDS, NEW ZEALAND
18	17	27	37.3?	30.24	S	177.52	W	33	N	4.9		1.4	22	KERMADEC ISLANDS, NEW ZEALAND
18	17	51	58.4	5.844	S	151.062	E	55		4.7	4.5	0.9	39	NEW BRITAIN REGION, P.N.G.
18	18	36	00.3?	2.89	S	138.95	E	33	N	3.8		1.3	10	IRIAN JAYA, INDONESIA
18	18	57	57.7&	33.025	N	60.311	E	10	G			0.6	6	NORTHERN IRAN
18	19	05	23.5*	5.330	S	131.179	E	100	G	4.5		1.1	13	BANDA SEA
18	19	10	33.6&	61.495	N	146.653	W	22					24	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 3.2 (PMR).
18	19	29	53.6?	1.77	N	125.28	E	33	N	4.3		1.4	11	NORTHERN MOLUCCA SEA
18	20	11	20.2	54.716	N	159.532	E	131	D	4.4		1.0	35	NEAR EAST COAST OF KAMCHATKA
18	21	15	17.0?	32.52	S	71.66	W	15	G			0.6	8	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
18	21	18	53.3?	32.73	S	72.57	W	10	G			0.4	9	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
18	21	44	54.4&	61.495	N	152.030	W	8					20	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
18	21	45	33.5&	34.814	N	120.309	W	1					28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt in the Santa Maria area.
18	22	14	18.0	1.871	S	99.737	E	33	N	5.0	5.1	1.0	109	SOUTHERN SUMATERA, INDONESIA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:14:21.9; Lat 2.21 S; Lon 99.40 E; Dep 31.0 Bdy; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.36, Plg=62, Azm=41; (N) Val=0.22, Plg=4, Azm=303; (P) Val=-1.57, Plg=28, Azm=210; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=289, Dip=17, Slip=75; NP2: Strike=124, Dip=73, Slip=94.
18	22	54	26.7*	51.407	S	139.561	E	10	G	4.7	4.6	1.4	36	SOUTH OF AUSTRALIA
18	23	10	23.2&	32.826	S	70.279	W	110	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
18	23	25	32.9?	8.19	S	123.66	E	150	G	4.3		1.2	7	FLORES REGION, INDONESIA
18	23	28	03.0?	34.51	S	70.37	W	5	G			0.4	8	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
18	23	57	49.3*	0.830	S	133.581	E	33	N	3.9		0.8	10	IRIAN JAYA REGION, INDONESIA
19	00	03	18.8*	23.646	N	108.519	W	10	G	4.2		1.2	27	GULF OF CALIFORNIA
19	01	07	05.5*	51.253	N	15.689	E	5	G			1.3	9	POLAND. ML 3.6 (VIE).
19	01	16	41.4*	5.220	S	142.623	E	100	G	4.1		1.2	8	NEW GUINEA, PAPUA NEW GUINEA
19	01	33	10.5&	11.121	N	60.812	W	5	G			1.2	7	WINDWARD ISLANDS. MD 2.8 (TRN).
19	02	09	24.8	34.068	N	141.502	E	33	N	4.8	5.4	1.2	90	OFF EAST COAST OF HONSHU, JAPAN
19	02	25	49.6	6.498	N	82.371	W	10	G	5.2	5.1	1.1	127	SOUTH OF PANAMA. Mw 5.8 (HRV). MD 4.9 (UPA).

													Centroid, Moment Tensor (HRV): Centroid origin time 02:25:57.1; Lat 6.57 N; Lon 82.27 W; Dep 15.0 Fix; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=6.05, Plg=20, Azm=320; (N) Val=-0.87, Plg=68, Azm=114; (P) Val=-5.17, Plg=9, Azm=227; Best double couple: Mo=5.6*10**17 Nm; NP1: Strike=2, Dip=69, Slip=172; NP2: Strike=95, Dip=82, Slip=21.
19	02	42	03.1*	62.404	S	158.742	W	10	G	3.7		0.6	9	PACIFIC-ANTARCTIC RIDGE
19	02	59	54.1?	43.90	S	16.38	W	10	G	4.5		1.2	7	SOUTHERN MID-ATLANTIC RIDGE
19	03	05	07.8?	32.71	N	60.75	E	10	G			1.2	5	NORTHERN IRAN
19	03	52	55.8	8.926	N	77.096	W	10	G			1.1	21	PANAMA-COLOMBIA BORDER REGION. MD 4.2 (UPA).
19	03	54	52.0&	60.614	N	151.022	W	49					61	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.5 (AEIC), 3.6 (PMR).
19	04	20	33.0&	63.356	N	145.259	W	8					25	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
19	04	32	27.2&	63.371	N	145.282	W	8					61	CENTRAL ALASKA. <AEIC>. ML 3.8 (AEIC), 3.9 (PMR).
19	04	46	50.7&	60.615	N	151.012	W	48					37	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
19	04	57	44.5	43.768	S	15.857	W	10	G	4.6		1.5	13	SOUTHERN MID-ATLANTIC RIDGE
19	05	17	06.0*	62.324	S	158.992	W	10	G	4.2		1.2	13	PACIFIC-ANTARCTIC RIDGE
19	06	11	44.7?	31.66	S	69.90	W	140	G			0.2	8	SAN JUAN PROVINCE, ARGENTINA. MD 3.1 (SAN).
19	07	20	04.4	9.533	S	78.791	W	50	D	4.8		0.9	76	NEAR COAST OF NORTHERN PERU
19	07	36	47.9&	1.683	N	99.315	E	33	N			0.9	8	NORTHERN SUMATERA, INDONESIA
19	08	44	35.3*	34.102	N	141.818	E	33	N			0.8	13	OFF EAST COAST OF HONSHU, JAPAN
19	08	49	36.1	2.603	N	126.787	E	33	N	5.0	4.1	1.3	57	NORTHERN MOLUCCA SEA
19	09	12	00.5?	28.86	S	177.81	W	33	N	4.4		1.4	11	KERMADEC ISLANDS REGION
19	09	15	24.3&	52.673	N	163.836	W	33		4.6	4.4		126	SOUTH OF ALASKA. <AEIC>. ML 4.4 (AEIC), 4.6 (PMR).
19	09	42	42.6*	20.748	S	68.862	W	129	*			0.9	11	CHILE-BOLIVIA BORDER REGION
19	09	53	44.8*	5.568	S	129.819	E	150	G	4.7		0.6	11	BANDA SEA
19	10	22	06.3	34.042	N	141.765	E	33	N	4.3		1.0	27	OFF EAST COAST OF HONSHU, JAPAN
19	11	13	10.5&	61.760	N	149.960	W	42					35	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
19	11	23	49.1*	17.038	N	100.669	W	33	N	4.2		1.2	34	GUERRERO, MEXICO
19	11	25	08.0*	51.562	N	16.366	E	5	G			0.6	7	POLAND. ML 3.6 (VIE).
19	12	15	29.9?	20.14	S	177.99	W	500	G	4.2		0.9	15	FIJI ISLANDS REGION
19	12	43	07.1&	63.358	N	145.270	W	4					29	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.4 (PMR).
19	13	17	47.8&	35.222	N	117.239	W	5					25	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
19	13	23	43.5	5.821	S	147.154	E	92		5.2		1.0	71	EASTERN NEW GUINEA REG., P.N.G.
19	14	02	14.2*	20.408	S	68.767	W	142	*	4.8		1.0	21	CHILE-BOLIVIA BORDER REGION
19	14	29	25.9?	32.41	S	70.98	W	60	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN). Felt (III) at Papudo, Petorca and Santiago; (II) at La Ligua and Quillota, Chile.
19	14	48	51.4*	21.467	S	68.084	W	140	*	4.4		1.0	18	CHILE-BOLIVIA BORDER REGION
19	15	32	57.9*	25.088	N	93.959	E	66	D	4.4		1.4	21	NORTHEASTERN INDIA
19	16	42	11.2?	67.10	N	172.28	W	10	G			1.0	7	NEAR N. COAST OF EASTERN SIBERIA
19	17	13	52.3?	19.22	S	169.95	E	33	N	4.1		0.5	7	VANUATU ISLANDS
19	18	32	56.9	50.439	N	18.890	E	5	G			1.3	9	POLAND. MG 3.1 (WAR).
19	19	38	07.5?	27.85	S	175.31	W	33	N	4.3		1.3	14	KERMADEC ISLANDS REGION
19	19	45	33.6*	34.782	N	85.444	W	5	G			1.3	7	ALABAMA. mbLg 2.9 (GS). Felt in the Summerville, Georgia area.
19	20	05	37.3	0.059	S	16.654	W	10	G	4.8	4.6	1.1	51	NORTH OF ASCENSION ISLAND
19	20	16	11.9	41.102	N	20.180	E	10	G	4.2		1.2	80	ALBANIA
19	21	00	41.2&	59.934	N	153.130	W	125					31	SOUTHERN ALASKA. <AEIC>.
19	21	29	35.8*	35.717	N	34.588	W	10	G	4.3		0.9	13	AZORES ISLANDS REGION
19	21	37	52.9&	65.505	N	149.967	W	11					16	NORTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
19	22	21	51.4*	34.665	N	72.576	E	33	N	4.0		1.0	11	PAKISTAN
19	22	22	58.4?	4.05	S	149.86	E	150	G	4.3		1.0	10	BISMARCK SEA
19	22	43	29.9*	36.252	N	69.224	E	33	N	3.9		1.1	12	HINDU KUSH REGION, AFGHANISTAN
19	22	50	36.8&	34.540	S	70.344	W	5	G			0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
19	22	54	39.8&	34.920	N	116.915	W	4					26	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
19	23	25	40.6	27.664	S	68.977	W	106	D	4.5		1.3	48	CHILE-ARGENTINA BORDER REGION
19	23	29	15.8*	21.355	S	179.195	W	600	G	4.7		0.9	30	FIJI ISLANDS REGION
20	00	14	55.7?	20.85	S	178.20	W	300	G	3.9		0.3	7	FIJI ISLANDS REGION
20	00	48	26.8*	0.798	N	123.049	E	46	D	4.7		1.3	24	MINAHASSA PENINSULA, SULAWESI
20	01	04	27.7?	31.73	S	71.11	W	90	G			0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
20	01	06	12.5&	59.519	N	152.949	W	107					13	SOUTHERN ALASKA. <AEIC>.
20	01	58	23.4?	26.39	N	141.96	E	53	*	4.2		1.0	8	BONIN ISLANDS REGION
20	03	10	14.5*	6.685	S	129.793	E	150	G	4.0		1.3	6	BANDA SEA
20	03	33	01.9	41.249	S	91.170	W	10	G	4.7	4.4	1.0	40	SOUTHERN PACIFIC OCEAN
20	03	42	09.7?	5.76	S	153.21	E	33	N	4.0		0.9	7	NEW IRELAND REGION, P.N.G.
20	04	20	50.4	33.880	N	139.973	E	102	D	5.0		1.1	110	SOUTH OF HONSHU, JAPAN
20	04	27	55.8*	52.814	S	20.530	E	10	G	4.5		0.9	21	SOUTH OF AFRICA
20	04	45	18.9	39.531	N	73.250	E	33	N	4.3		1.2	29	TAJIKISTAN-XINJIANG BORDER REG.
20	05	08	49.4&	54.410	N	160.574	W	25					27	ALASKA PENINSULA. <AEIC>. ML 4.1 (AEIC).
20	06	16	58.6	25.133	S	70.803	W	33	N	4.3		1.0	19	NEAR COAST OF NORTHERN CHILE. Felt (III) at Taltal.
20	06	36	21.1*	19.953	N	144.014	E	28	D	4.3		1.1	25	MARIANA ISLANDS
20	07	18	31.1*	0.816	N	28.063	W	10	G	4.6		1.0	11	CENTRAL MID-ATLANTIC RIDGE
20	08	18	49.6?	15.86	N	85.31	W	10	G	3.9		1.4	8	HONDURAS
20	08	20	00.6?	32.00	S	69.97	W	130	G			0.3	9	SAN JUAN PROVINCE, ARGENTINA. MD 2.6 (SAN).
20	09	23	17.0?	32.31	S	71.78	W	10	G			0.3	7	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
20	09	41	05.8&	34.188	N	105.742	W	10	G				18	NEW MEXICO. <SNM-P>. MD 2.7 (SNM). mbLg 3.2 (GS). Felt in the Corona area.
20	09	48	34.4*	17.724	S	178.512	W	500	G	4.4		1.1	27	FIJI ISLANDS REGION
20	10	04	38.4&	59.480	N	152.393	W	85					10	SOUTHERN ALASKA. <AEIC>.
20	10	05	38.5?	6.59	S	128.59	E	282	?	4.6		0.7	9	BANDA SEA
20	10	21	30.5?	51.09	S	138.56	E	33	N	4.2		0.2	7	SOUTH OF AUSTRALIA
20	10	53	32.9	4.590	S	131.777	E	33	N	4.9		1.0	30	BANDA SEA
20	10	56	03.6*	47.661	N	152.814	E	150	G	4.3		0.8	15	KURIL ISLANDS
20	11	15	16.5	1.846	S	79.149	W	33	N	3.9		0.7	6	ECUADOR
20	11	22	35.5?	32.62	S	71.97	W	5	G			0.7	8	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
20	12	58	46.1?	34.58	S	70.31	W	5	G			0.1	6	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
20	13	18	56.2?	31.22	S	69.15	W	200	G			0.4	9	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
20	14	08	07.0	57.111	N	150.856	W	10	G			1.0	27	GULF OF ALASKA. ML 3.6 (AEIC).
20	14	09	31.3?	25.11	N	96.10	E	33	N			1.3	9	MYANMAR
20	14	16	29.8?	2.03	N	90.39	W	10	G	4.0		0.9	11	GALAPAGOS ISLANDS REGION
20	14	20	43.2	43.066	N	0.827	W	5	G			0.8	15	PYRENEES. ML 3.2 (LDG), 2.8 (STR).
20	14	33	52.8?	51.16	S	139.87	E	33	N	4.0		0.9	7	SOUTH OF AUSTRALIA

20	14	55	28.3?	24.29	N	121.35	E	33	N	4.2	0.9	5	TAIWAN
20	15	01	48.1?	31.45	S	69.91	W	150	G		0.4	9	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
20	15	34	25.1?	51.28	S	139.04	E	10	G	4.4	1.2	12	SOUTH OF AUSTRALIA
20	15	56	50.3*	3.116	S	136.182	E	33	N	4.0	1.0	10	IRIAN JAYA, INDONESIA
20	16	05	25.2&	60.972	N	151.080	W	59				4	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
20	16	46	55.3*	73.718	S	167.852	E	10	G	4.0	1.0	9	VICTORIA LAND, ANTARCTICA
20	17	08	58.9	26.755	N	139.925	E	33	N	3.8	0.9	5	BONIN ISLANDS REGION
20	18	19	12.0*	30.557	N	131.186	E	33	N		0.9	8	KYUSHU, JAPAN
20	18	27	06.5	59.713	S	150.485	E	10	G	4.9 5.6	1.2	36	WEST OF MACQUARIE ISLAND. Mw 5.9 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:27:14.9; Lat 59.74 S; Lon 149.92 E; Dep 15.0 Fix; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=8.34, Plg=2, Azm=25; (N) Val=-0.55, Plg=82, Azm=130; (P) Val=-7.80, Plg=8, Azm=295; Best double couple: Mo=8.1*10**17 Nm; NP1: Strike=70, Dip=83, Slip=-176; NP2: Strike=340, Dip=86, Slip=-7.
20	20	18	10.8*	24.424	N	109.099	W	10	G	4.1	1.1	28	GULF OF CALIFORNIA
20	21	00	38.8?	1.03	S	123.57	E	33	N	4.7	1.3	11	SULAWESI, INDONESIA
20	21	54	48.3&	45.253	N	0.297	W	10	G		1.2	11	FRANCE. ML 2.2 (LDG).
20	22	04	51.5&	45.263	N	0.284	W	10	G		1.1	11	FRANCE. ML 2.5 (LDG).
20	22	42	22.8	24.011	N	122.476	E	120	D	4.2	0.9	20	TAIWAN REGION
20	22	49	46.5	51.771	N	15.784	E	5	G		0.9	8	POLAND
21	00	08	46.4	20.805	S	175.467	W	70	D	5.4 4.6	0.8	208	TONGA ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:08:50.5; Lat 20.97 S; Lon 174.71 W; Dep 87.5; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.28, Plg=74, Azm=142; (N) Val=-0.16, Plg=14, Azm=351; (P) Val=-1.13, Plg=7, Azm=259; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=333, Dip=40, Slip=68; NP2: Strike=182, Dip=54, Slip=107.
21	00	36	45.7&	43.264	N	0.801	W	5	G		1.5	5	PYRENEES. ML 3.0 (LDG).
21	00	59	23.9&	55.404	N	159.480	W	0				11	ALASKA PENINSULA. <AEIC>. ML 2.9 (AEIC).
21	01	39	15.0?	20.93	S	168.67	E	33	N	4.4	1.2	6	LOYALTY ISLANDS
21	02	19	41.4&	66.484	N	150.066	W	23				14	NORTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
21	02	20	42.8*	6.280	S	147.921	E	43	*	4.1	1.1	19	EASTERN NEW GUINEA REG., P.N.G.
21	02	52	10.1*	17.274	S	178.970	W	550	G	4.3	0.3	13	FIJI ISLANDS REGION
21	03	05	56.9	5.833	S	150.401	E	74	*	4.8	1.3	35	NEW BRITAIN REGION, P.N.G.
21	03	49	15.6*	0.600	N	98.646	E	63	D	4.0	1.1	27	NORTHERN SUMATERA, INDONESIA
21	03	55	45.3?	25.10	N	127.98	E	33	N		1.2	10	RYUKYU ISLANDS
21	04	11	58.9	53.122	N	167.980	W	33	N	4.7	0.9	52	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
21	04	53	33.0&	35.975	N	120.523	W	11				6	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.6 (PAS).
21	05	04	24.5	13.897	N	144.867	E	137	D	4.8	0.7	27	MARIANA ISLANDS. Felt (IV) by people in high-rise buildings at Agana, Guam.
21	05	28	28.0*	30.363	S	177.231	W	50	G	4.7 4.6	1.0	32	KERMADEC ISLANDS, NEW ZEALAND
21	05	59	20.7&	10.853	N	61.805	W	50	G		0.3	8	TRINIDAD. MD 2.8 (TRN).
21	06	25	42.6?	18.48	N	67.09	W	80	G		0.5	6	MONA PASSAGE. MD 2.7 (MPR).
21	07	44	48.2	15.292	S	173.559	W	33	N	5.1 5.1	0.7	107	TONGA ISLANDS. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:44:56.6; Lat 15.41 S; Lon 172.89 W; Dep 56.0; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=3.08, Plg=28, Azm=245; (N) Val=0.06, Plg=7, Azm=339; (P) Val=-3.14, Plg=61, Azm=82; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=317, Dip=18, Slip=-114; NP2: Strike=161, Dip=73, Slip=-82.
21	07	47	09.4&	10.446	N	62.005	W	15	G		0.3	8	NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
21	07	54	25.9*	51.563	N	173.275	W	33	N	4.1	0.6	10	ANDREANOF ISLANDS, ALEUTIAN IS.
21	08	37	15.9*	13.340	S	166.209	E	33	N	4.7	1.2	13	VANUATU ISLANDS
21	09	11	24.6&	33.658	S	71.738	W	20	G		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
21	09	29	58.1	23.225	S	179.944	W	550	G	4.9	0.8	90	SOUTH OF FIJI ISLANDS
21	09	45	25.8?	29.76	S	177.58	W	33	N		0.4	6	KERMADEC ISLANDS, NEW ZEALAND
21	09	49	52.6?	30.33	S	179.50	W	500	G	4.3	0.8	14	KERMADEC ISLANDS REGION
21	10	37	32.5*	6.641	N	127.450	E	33	N	4.1	1.5	7	PHILIPPINE ISLANDS REGION
21	10	56	44.0*	7.264	S	103.028	E	33	N	4.4	1.1	19	SOUTHWEST OF SUMATERA, INDONESIA
21	11	13	03.4*	18.766	N	101.680	W	100	G	4.3	1.1	27	GUERRERO, MEXICO
21	11	34	21.0*	4.553	S	139.805	E	33	N	4.2	1.5	16	IRIAN JAYA, INDONESIA
21	13	26	57.2*	37.763	N	72.244	E	150	G	3.0	0.9	7	TAJIKISTAN
21	13	46	49.4	14.540	S	170.240	E	600	G	4.6	1.1	55	VANUATU ISLANDS REGION
21	13	48	55.8&	63.077	N	151.664	W	18				8	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.8 (PMR).
21	14	10	26.2	20.438	S	169.287	E	57	G	5.9 6.5	1.2	255	VANUATU ISLANDS. Mw 6.8 (HRV), 6.6 (GS). Me 6.5 (GS). Ms 6.1 (BRK). Felt (V) at Noumea, New Caledonia. Also felt at Port-Vila. Broadband Source Parameters (GS): Dep 57; NP1: Strike=191, Dip=71, Slip=140; NP2: Strike=296, Dip=53, Slip=24; Radiated energy 1.1*10**14 Nm. Moment Tensor (GS): Dep 53; Principal axes (scale 10**18 Nm): (T) Val=8.71, Plg=53, Azm=108; (N) Val=0.80, Plg=18, Azm=353; (P) Val=-9.50, Plg=31, Azm=252; Best double couple: Mo=9.1*10**18 Nm; NP1: Strike=298, Dip=22, Slip=34; NP2: Strike=177, Dip=78, Slip=108. Centroid, Moment Tensor (HRV): Centroid origin time 14:10:35.0; Lat 20.34 S; Lon 169.03 E; Dep 64.0 Bdy; Half-duration 1.0 sec; Principal axes (scale 10**19 Nm): (T) Val=1.46, Plg=31, Azm=123; (N) Val=-0.03, Plg=47, Azm=353; (P) Val=-1.44, Plg=27, Azm=230; Best double couple: Mo=1.5*10**19 Nm; NP1: Strike=268, Dip=47, Slip=3; NP2: Strike=176, Dip=88, Slip=137. Scalar Moment (PPT): Mo=2.3*10**19 Nm.
21	14	30	26.8?	15.24	S	173.20	W	33	N	4.0	1.3	9	TONGA ISLANDS
21	15	39	12.4*	6.222	S	147.995	E	42	*	4.0	1.5	18	EASTERN NEW GUINEA REG., P.N.G.
21	16	26	24.7	18.902	S	175.947	E	33	N	5.3 5.2	1.1	135	FIJI ISLANDS REGION. Mw 6.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:26:28.4; Lat 19.00 S; Lon 175.87 E; Dep 15.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**18 Nm): (T)

Val=0.86, Plg=21, Azm=110; (N) Val=0.22, Plg=12, Azm=204; (P) Val=-1.07, Plg=66, Azm=322; Best double couple: Mo=9.7*10**17 Nm; NP1: Strike=180, Dip=26, Slip=-117; NP2: Strike=30, Dip=67, Slip=-77.

21	16	53	59.0	24.255	S	176.124	W	41	D	4.9	1.0	57	SOUTH OF FIJI ISLANDS
21	17	39	41.8*	9.273	S	147.026	E	33	N	3.7	0.6	8	EASTERN NEW GUINEA REG., P.N.G.
21	18	15	55.1&	36.774	N	121.283	W	8				11	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
21	18	41	41.2?	43.61	N	147.53	E	54	D	3.9	0.9	7	KURIL ISLANDS
21	19	40	06.0&	61.228	N	151.904	W	119				11	SOUTHERN ALASKA. <AEIC>.
21	20	23	01.0	0.015	N	16.759	W	10	G	5.2 4.6	1.1	93	NORTH OF ASCENSION ISLAND. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:23:04.8; Lat 0.03 N; Lon 16.73 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.54, Plg=16, Azm=42; (N) Val=0.00, Plg=36, Azm=300; (P) Val=-1.54, Plg=50, Azm=151; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=171, Dip=43, Slip=-31; NP2: Strike=284, Dip=70, Slip=-129.
21	20	24	38.8?	31.59	S	70.02	W	140	G		0.4	9	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
21	20	42	27.3*	2.826	S	77.998	W	52	*	4.3	1.1	23	PERU-ECUADOR BORDER REGION
21	21	19	45.0*	52.046	N	16.538	E	5	G		0.8	8	POLAND. MG 2.5 (WAR).
21	21	53	12.6&	59.829	N	151.883	W	60				2	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
21	22	04	56.4	52.389	N	17.020	E	5	G		1.1	9	POLAND
21	22	18	16.7&	63.717	N	149.548	W	124				2	CENTRAL ALASKA. <AEIC>.
21	22	51	28.7	23.083	N	80.041	E	36	G	6.0 5.6	1.0	242	SOUTHERN INDIA. Mw 5.8 (GS), 5.8 (HRV). Me 5.4 (GS). At least 38 people killed, more than 1,000 injured, thousands homeless and extensive damage in the Jabalpur area. Felt in much of Madhya Pradesh. Also felt at Allahabad, Delhi, Nagpur and in parts of western Orissa. Broadband Source Parameters (GS): Dep 36; NP1: Strike=255, Dip=20, Slip=90; NP2: Strike=75, Dip=70, Slip=90; Radiated energy 2.7*10**12 Nm. Two events about 1 second apart. Depth based on first event. Moment Tensor (GS): Dep 33; Principal axes (scale 10**17 Nm): (T) Val=5.31, Plg=61, Azm=316; (N) Val=0.06, Plg=12, Azm=68; (P) Val=-5.38, Plg=26, Azm=164; Best double couple: Mo=5.3*10**17 Nm; NP1: Strike=279, Dip=22, Slip=123; NP2: Strike=64, Dip=72, Slip=78. Centroid, Moment Tensor (HRV): Centroid origin time 22:51:31.8; Lat 23.06 N; Lon 80.22 E; Dep 38.0 Bdy; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=5.77, Plg=61, Azm=306; (N) Val=0.11, Plg=16, Azm=67; (P) Val=-5.88, Plg=23, Azm=164; Best double couple: Mo=5.8*10**17 Nm; NP1: Strike=283, Dip=26, Slip=129; NP2: Strike=61, Dip=70, Slip=73.
21	22	59	55.2	65.389	N	166.979	W	5	G	4.3	1.0	32	NORTHERN ALASKA. ML 4.6 (AEIC), 4.7 (PMR). Felt at Brevig Mission and Teller. Also felt (IV) at Nome.
21	23	11	25.9	34.277	N	139.129	E	20		5.1	1.0	116	NEAR S. COAST OF HONSHU, JAPAN
21	23	27	46.3?	46.06	N	152.64	E	33	N	3.4	1.2	11	KURIL ISLANDS
21	23	32	58.8&	34.629	N	116.539	W	2				27	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.9 (GS).
21	23	47	29.4*	5.144	N	127.050	E	126	*	3.9	1.2	16	PHILIPPINE ISLANDS REGION
21	23	49	43.7	42.895	N	7.128	W	19	D	4.9	1.2	150	SPAIN. Mw 5.3 (HRV). mbLg 4.7 (MDD). Felt in many parts of northern and western Spain. Also felt in northern Portugal. Centroid, Moment Tensor (HRV): Centroid origin time 23:49:48.2; Lat 42.74 N; Lon 7.54 W; Dep 19.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=9.88, Plg=18, Azm=76; (N) Val=-0.81, Plg=19, Azm=173; (P) Val=-9.07, Plg=63, Azm=305; Best double couple: Mo=9.5*10**16 Nm; NP1: Strike=139, Dip=31, Slip=-128; NP2: Strike=1, Dip=66, Slip=-70.
21	23	50	43.5	42.881	N	7.193	W	19	D	5.3 4.9	1.1	172	SPAIN. Mw 5.4 (HRV). ML 5.6 (LDG). mbLg 5.1 (MDD). One person died from a heart attack and minor damage in the Galicia region. Felt in many parts of northern and western Spain. Also felt in northern Portugal. Centroid, Moment Tensor (HRV): Centroid origin time 23:50:47.9; Lat 42.95 N; Lon 7.21 W; Dep 15.0 Bdy; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.27, Plg=15, Azm=249; (N) Val=0.09, Plg=29, Azm=150; (P) Val=-1.36, Plg=56, Azm=3; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=13, Dip=39, Slip=-40; NP2: Strike=136, Dip=66, Slip=-122.
22	00	02	52.3	43.002	N	7.123	W	10	G	4.5	1.2	51	SPAIN. ML 4.6 (LDG). mbLg 4.5 (MDD).
22	00	10	29.2&	43.419	N	6.253	W	10	G		0.8	20	SPAIN. ML 3.7 (LDG).
22	00	10	50.3?	43.48	N	6.06	W	10	G		0.6	12	SPAIN. ML 3.8 (LDG).
22	00	14	16.7?	43.49	N	6.24	W	10	G		0.8	16	SPAIN. ML 3.3 (LDG).
22	00	16	27.4?	43.35	N	6.66	W	10	G		0.8	19	SPAIN
22	00	17	17.8	42.856	N	7.160	W	17	D	5.1 4.6	1.1	118	SPAIN. ML 5.2 (LDG). mbLg 4.8 (MDD).
22	00	24	27.6?	43.59	N	6.00	W	10	G		1.3	10	SPAIN. ML 3.3 (LDG).
22	00	28	43.4?	43.45	N	6.31	W	10	G		0.9	13	SPAIN. ML 3.0 (LDG).
22	00	31	51.6*	13.312	N	89.496	W	79		4.1	0.9	23	EL SALVADOR. MD 3.8 (SSS). Felt (IV) at San Salvador.
22	00	32	32.4?	43.54	N	6.06	W	10	G		0.9	19	SPAIN. ML 3.2 (LDG).
22	00	32	58.1&	43.479	N	6.352	W	10	G		0.6	19	SPAIN. ML 3.4 (LDG).
22	00	34	57.1	51.943	N	17.710	E	5	G		0.7	12	POLAND
22	00	41	35.2?	43.51	N	6.24	W	10	G		0.8	19	SPAIN. ML 3.4 (LDG).
22	00	45	51.7&	43.576	N	6.092	W	10	G		0.5	17	SPAIN. ML 3.1 (LDG).
22	00	46	11.3*	39.700	N	76.471	E	33	N	3.8	1.3	10	SOUTHERN XINJIANG, CHINA
22	00	49	49.4?	49.77	N	157.22	E	33	N		0.8	6	EAST OF KURIL ISLANDS
22	01	00	46.1?	43.49	N	6.21	W	10	G		0.9	18	SPAIN. ML 3.1 (LDG).
22	01	32	33.4	42.996	N	7.154	W	10	G		1.3	54	SPAIN. mbLg 4.1 (MDD). ML 4.1 (LDG).
22	01	41	22.8?	43.49	N	6.28	W	10	G		0.8	19	SPAIN. ML 3.3 (LDG).
22	01	55	31.4*	42.800	N	0.277	E	10	G		0.6	6	PYRENEES. ML 2.8 (LDG).
22	02	03	16.1*	32.201	S	179.993	W	300	G	4.3	1.0	16	SOUTH OF KERMADEC ISLANDS
22	02	04	04.4?	43.43	N	6.34	W	10	G		0.6	11	SPAIN. ML 2.9 (LDG).
22	02	06	00.7?	43.57	N	6.15	W	10	G		0.6	12	SPAIN. ML 3.0 (LDG).

22	02	34	38.1%	43.504	N	6.256	W	10	G		0.6	17	SPAIN. ML 3.1 (LDG).
22	02	38	04.9?	43.42	N	6.47	W	10	G		0.8	17	SPAIN. ML 2.9 (LDG).
22	02	40	19.1?	43.47	N	6.37	W	10	G		0.7	12	SPAIN. ML 3.1 (LDG).
22	02	51	29.2?	43.46	N	6.34	W	10	G		0.8	13	SPAIN. ML 2.8 (LDG).
22	03	03	07.6%	43.535	N	6.175	W	10	G		0.7	19	SPAIN. ML 3.5 (LDG).
22	03	28	56.3%	43.466	N	6.350	W	10	G		0.6	18	SPAIN. ML 3.3 (LDG).
22	03	58	53.2	42.882	N	7.139	W	10	G		1.4	22	SPAIN. mbLg 3.8 (MDD). ML 3.6 (LDG).
22	04	03	58.6?	43.60	N	6.12	W	10	G		0.8	16	SPAIN. ML 3.2 (LDG).
22	04	53	00.0%	33.692	N	59.916	E	10	G		1.2	12	NORTHERN IRAN
22	05	06	50.3	42.894	N	7.166	W	10	G	4.1	1.0	59	SPAIN. ML 4.6 (LDG). mbLg 4.2 (MDD).
22	06	27	08.4&	61.550	N	151.067	W	70				4	SOUTHERN ALASKA. <AEIC>.
22	07	35	12.6?	11.84	N	87.90	W	33	N	4.6	1.3	16	NEAR COAST OF NICARAGUA
22	07	50	53.5	18.684	N	101.604	W	70	G	5.9 6.0	1.0	259	GUERRERO, MEXICO. Mw 6.5 (GS), 6.5 (HRV). Me 6.0 (GS). Many houses damaged at Arteaga and a church damaged at Patzcuaro, Michoacan. Felt strongly at Lazaro Cardenas, Michoacan. Also felt at Mexico City. Broadband Source Parameters (GS): Dep 60; NP1: Strike=279, Dip=76, Slip=-98; NP2: Strike=129, Dip=16, Slip=-61; Radiated energy 2.2*10**13 Nm. Moment Tensor (GS): Dep 67; Principal axes (scale 10**18 Nm): (T) Val=7.02, Plg=24, Azm=5; (N) Val=-0.44, Plg=1, Azm=96; (P) Val=-6.58, Plg=65, Azm=188; Best double couple: Mo=6.8*10**18 Nm; NP1: Strike=94, Dip=21, Slip=-92; NP2: Strike=276, Dip=69, Slip=-89. Centroid, Moment Tensor (HRV): Centroid origin time 07:50:59.7; Lat 18.76 N Fix; Lon 101.73 W Fix; Dep 55.5; Half-duration 4.4 sec; Principal axes (scale 10**18 Nm): (T) Val=6.57, Plg=17, Azm=4; (N) Val=-0.08, Plg=6, Azm=272; (P) Val=-6.49, Plg=72, Azm=165; Best double couple: Mo=6.5*10**18 Nm; NP1: Strike=102, Dip=28, Slip=-78; NP2: Strike=269, Dip=62, Slip=-96. Scalar Moment (PPT): Mo=4.9*10**18 Nm.
22	08	24	38.7?	18.55	N	101.70	W	100	G		1.3	15	GUERRERO, MEXICO
22	09	20	11.3*	51.632	N	16.201	E	5	G		1.5	5	POLAND
22	10	41	10.2%	32.959	N	60.275	E	10	G		0.8	10	NORTHERN IRAN
22	11	13	58.6	2.833	S	130.590	E	33	N	3.7	1.1	15	SERAM, INDONESIA
22	11	29	30.2*	32.156	N	132.064	E	33	N	4.3	1.5	21	SHIKOKU, JAPAN
22	12	06	58.9*	15.376	S	172.883	W	33	N	4.6	1.1	40	SAMOA ISLANDS REGION
22	12	15	46.9*	7.849	S	147.626	E	33	N	3.9	1.4	14	EASTERN NEW GUINEA REG., P.N.G.
22	12	18	30.1%	33.571	S	70.297	W	100	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
22	13	04	48.1&	62.718	N	148.709	W	59				12	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PMR).
22	13	21	36.3	18.915	N	121.336	E	34	D	5.7 5.6	1.0	192	LUZON, PHILIPPINE ISLANDS. Mw 6.1 (HRV), 6.0 (GS). Me 5.8 (GS). Felt (III) in Hong Kong. Broadband Source Parameters (GS): Dep 34; NP1: Strike=205, Dip=65, Slip=60; NP2: Strike=79, Dip=38, Slip=137; Radiated energy 1.3*10**13 Nm. Moment Tensor (GS): Dep 33; Principal axes (scale 10**18 Nm): (T) Val=1.02, Plg=76, Azm=138; (N) Val=0.21, Plg=6, Azm=21; (P) Val=-1.23, Plg=12, Azm=290; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=11, Dip=33, Slip=78; NP2: Strike=205, Dip=58, Slip=98. Centroid, Moment Tensor (HRV): Centroid origin time 13:21:40.2; Lat 19.09 N Fix; Lon 121.10 E Fix; Dep 39.0 Bdy; Half-duration 2.6 sec; Principal axes (scale 10**18 Nm): (T) Val=1.31, Plg=71, Azm=97; (N) Val=0.11, Plg=8, Azm=212; (P) Val=-1.42, Plg=17, Azm=304; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=46, Dip=29, Slip=107; NP2: Strike=207, Dip=62, Slip=81.
22	13	47	44.4*	53.971	N	161.592	E	33	N	4.1	0.8	10	OFF EAST COAST OF KAMCHATKA
22	13	57	10.5&	44.066	N	122.520	W	8				45	OREGON. <SEA-P>. MD 2.6 (SEA). Felt at Eugene.
22	14	09	56.6%	43.515	N	6.235	W	10	G		0.7	19	SPAIN. ML 3.8 (LDG).
22	14	27	08.4	65.375	N	167.116	W	5	G	3.9	1.0	31	NORTHERN ALASKA. ML 4.4 (PMR).
22	14	35	33.6?	31.99	S	69.85	W	140	G		0.4	9	SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (SAN).
22	14	41	18.8	48.208	N	154.940	E	33	N	5.1 5.0	1.0	117	KURIL ISLANDS
22	14	50	34.6?	14.26	S	173.85	W	33	N		1.5	5	SAMOA ISLANDS REGION
22	15	26	47.0	38.286	N	90.140	E	33	N	4.1	1.0	25	SOUTHERN XINJIANG, CHINA
22	15	41	26.4*	20.873	S	169.289	E	150	G	4.1	1.1	13	VANUATU ISLANDS
22	15	44	06.0*	32.973	N	60.164	E	10	G	3.7	0.8	8	NORTHERN IRAN
22	16	38	38.3&	58.966	N	150.960	W	20				3	GULF OF ALASKA. <AEIC>. ML 2.7 (AEIC).
22	17	05	31.7?	43.31	N	6.53	W	10	G		1.0	16	SPAIN. ML 3.5 (LDG).
22	17	41	21.5?	18.88	S	175.86	E	33	N	3.6	0.8	13	FIJI ISLANDS REGION
22	18	58	36.4&	39.391	N	123.250	W	9				13	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.2 (GM).
22	19	00	35.4?	12.42	N	87.03	W	50	G	4.2	1.5	7	NEAR COAST OF NICARAGUA
22	19	25	21.2&	32.269	N	116.666	W	6	G			21	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.2 (PAS).
22	19	53	36.7%	39.513	N	73.873	E	33	N		1.0	9	TAJIKISTAN-XINJIANG BORDER REG.
22	20	36	56.7*	21.557	S	169.297	E	33	N	4.5 4.6	1.4	35	LOYALTY ISLANDS REGION
22	21	12	09.3*	34.073	N	141.669	E	33	N	4.2	1.0	9	OFF EAST COAST OF HONSHU, JAPAN
22	22	19	39.7?	32.04	S	69.74	W	130	G		0.3	9	MENDOZA PROVINCE, ARGENTINA. MD 3.3 (SAN).
22	22	24	12.8*	4.233	N	122.563	E	550	G	4.4	1.1	20	CELEBES SEA
22	22	56	25.6	42.932	N	7.141	W	10	G		1.4	17	SPAIN. mbLg 3.5 (MDD). ML 3.2 (LDG).
22	23	22	24.6&	54.663	N	160.792	W	20				14	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
22	23	23	31.4?	31.63	S	69.80	W	150	G		0.4	9	SAN JUAN PROVINCE, ARGENTINA. MD 3.4 (SAN).
23	00	24	42.0*	36.769	S	177.024	E	200	G	4.7	1.1	16	OFF E. COAST OF N. ISLAND, N.Z.
23	00	39	07.6	42.922	N	7.217	W	10	G		1.1	37	SPAIN. ML 4.1 (LDG). mbLg 3.8 (MDD).
23	00	57	37.3	42.923	N	7.091	W	10	G		1.5	16	SPAIN. mbLg 3.5 (MDD).
23	01	06	12.4*	5.112	N	123.237	E	600	G	4.4	0.8	19	MINDANAO, PHILIPPINE ISLANDS
23	02	09	20.7?	48.16	N	155.17	E	33	N		1.2	7	KURIL ISLANDS
23	02	19	18.7?	50.89	N	176.94	W	33	N	3.8	1.5	11	ANDREANOF ISLANDS, ALEUTIAN IS.
23	02	25	05.6*	8.397	N	137.884	E	33	N	4.0	0.8	13	WESTERN CAROLINE ISLANDS
23	02	53	06.0*	21.616	N	143.254	E	300	G	3.4	0.9	10	MARIANA ISLANDS REGION
23	04	10	11.7*	16.150	S	172.900	W	33	N	4.8	1.3	44	SAMOA ISLANDS REGION
23	05	16	48.3	43.893	N	147.203	E	33	N	4.7	0.9	35	KURIL ISLANDS
23	06	02	22.5*	51.081	N	176.671	W	33	N	4.0	1.4	11	ANDREANOF ISLANDS, ALEUTIAN IS.

23	06	47	22.8*	7.197	S	129.035	E	33	N	4.5		1.4	17	BANDA SEA
23	06	48	32.1&	34.973	N	116.810	W	1					33	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS), 3.5 (GS).
23	07	13	04.6	51.404	N	176.633	W	44	D	4.8	4.1	1.0	100	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR). Felt (IV) on Adak.
23	07	35	28.6	44.863	N	149.176	E	33	N	4.5		1.1	49	KURIL ISLANDS
23	07	44	01.2*	22.532	S	12.568	W	10	G	4.6		1.4	13	SOUTHERN MID-ATLANTIC RIDGE
23	07	47	15.9?	35.31	S	70.81	W	125	G			0.3	7	CHILE-ARGENTINA BORDER REGION
23	08	15	57.8*	15.006	S	173.689	W	33	N	4.5		0.7	35	TONGA ISLANDS
23	09	40	30.1	43.973	N	28.516	W	10	G	4.9	4.5	1.1	79	NORTHERN MID-ATLANTIC RIDGE
23	09	42	34.5&	63.391	N	151.478	W	8					12	CENTRAL ALASKA. <AEIC>. ML 3.5 (AEIC), 3.8 (PMR).
23	10	41	21.3	20.985	N	122.169	E	200	G	4.7		1.0	51	PHILIPPINE ISLANDS REGION
23	10	44	04.9	11.050	S	163.020	E	33	N	4.8	4.9	1.2	41	SOLOMON ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:44:06.7; Lat 10.91 S; Lon 163.10 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.29, Plg=64, Azm=345; (N) Val=0.11, Plg=7, Azm=91; (P) Val=-1.40, Plg=25, Azm=184; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=291, Dip=21, Slip=111; NP2: Strike=88, Dip=71, Slip=82.
23	11	03	27.5?	10.74	S	162.77	E	115	?	4.2		1.2	18	SOLOMON ISLANDS
23	11	16	29.6*	26.940	S	26.829	E	5	G	4.5		1.4	10	REPUBLIC OF SOUTH AFRICA
23	12	10	47.3&	63.181	N	149.577	W	86					3	CENTRAL ALASKA. <AEIC>.
23	12	22	01.0&	34.966	N	116.817	W	2					32	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.2 (GS).
23	13	01	11.7*	17.590	S	178.376	W	550	G	4.4		1.1	33	FIJI ISLANDS REGION
23	13	09	10.1*	43.038	N	10.601	E	10	G			1.4	13	CENTRAL ITALY. ML 2.8 (LDG).
23	13	22	01.8&	34.973	N	116.807	W	1					30	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.0 (GS).
23	13	24	09.7?	33.19	N	60.04	E	10	G	4.3		1.1	10	NORTHERN IRAN
23	13	30	46.8?	43.24	N	6.70	W	10	G			1.0	12	SPAIN. ML 3.3 (LDG). Felt (III) in the Sarria-Becerrea area.
23	14	21	36.8?	4.27	N	125.64	E	33	N	4.1		1.0	9	TALAUD ISLANDS, INDONESIA
23	14	38	41.6&	33.070	N	116.459	W	14					21	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
23	16	10	42.3*	11.915	S	118.559	E	33	N	4.3		1.4	13	SOUTH OF SUMBAWA, INDONESIA
23	17	50	35.4	34.368	N	137.484	E	11		5.2	5.3	1.2	90	NEAR S. COAST OF HONSHU, JAPAN. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:50:40.4; Lat 34.55 N; Lon 137.41 E; Dep 17.0 Bdy; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=4.97, Plg=37, Azm=142; (N) Val=0.04, Plg=7, Azm=47; (P) Val=-5.01, Plg=52, Azm=308; Best double couple: Mo=5.0*10**17 Nm; NP1: Strike=269, Dip=10, Slip=-48; NP2: Strike=46, Dip=83, Slip=-97.
23	18	14	39.5	42.897	N	7.071	W	10	G	4.7		1.2	119	SPAIN. ML 4.9 (LDG). mbLg 4.5 (MDD).
23	18	28	26.5	19.170	N	121.231	E	33	N	4.9		1.0	35	PHILIPPINE ISLANDS REGION
23	18	57	18.2*	37.568	N	72.164	E	150	G	3.6		1.3	14	TAJIKISTAN
23	19	13	15.0	13.643	N	90.929	W	33	N	4.9	4.7	1.2	98	NEAR COAST OF GUATEMALA
23	19	52	37.4&	59.712	N	152.626	W	82					6	SOUTHERN ALASKA. <AEIC>.
23	19	57	37.6	33.865	N	37.283	W	10	G	4.8	4.1	0.8	95	NORTHERN MID-ATLANTIC RIDGE
23	20	21	00.2	27.738	N	127.506	E	136	D	5.2		1.2	137	RYUKYU ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:21:04.0; Lat 27.60 N; Lon 127.66 E; Dep 141.6; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.50, Plg=32, Azm=131; (N) Val=-0.18, Plg=13, Azm=230; (P) Val=-1.32, Plg=54, Azm=339; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=181, Dip=18, Slip=-140; NP2: Strike=52, Dip=79, Slip=-76.
23	21	17	09.6	24.216	N	126.328	E	33	N	4.3		1.0	30	RYUKYU ISLANDS
23	22	52	42.0?	40.94	N	141.84	E	128	?	4.1		0.7	10	NEAR EAST COAST OF HONSHU, JAPAN
23	23	02	18.2*	22.934	N	124.464	E	33	N	4.1		1.2	13	SOUTHEAST OF TAIWAN
23	23	05	49.1?	13.45	S	166.98	E	200	G	4.3		1.5	10	VANUATU ISLANDS
23	23	10	35.4&	63.357	N	145.306	W	7					2	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
23	23	42	28.6?	23.36	S	179.95	E	600	G	4.1		0.7	10	SOUTH OF FIJI ISLANDS
24	01	47	18.2*	22.128	S	170.083	E	33	N	4.3	4.1	1.4	25	LOYALTY ISLANDS REGION
24	02	40	52.3&	61.482	N	140.787	W	0					11	SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 2.8 (AEIC).
24	02	53	21.3*	48.316	N	154.837	E	33	N	3.9		1.0	16	KURIL ISLANDS
24	03	34	45.0?	34.67	N	26.22	E	33	N	3.4		1.0	6	CRETE
24	04	33	31.6*	2.404	N	84.640	W	33	N	4.5	4.0	1.2	33	OFF COAST OF CENTRAL AMERICA
24	04	36	13.2&	35.797	N	117.638	W	5					58	CENTRAL CALIFORNIA. <PAS-P>. ML 4.0 (PAS).
24	04	51	34.1?	13.16	S	166.45	E	33	N	4.1		1.6	11	VANUATU ISLANDS
24	04	58	33.4*	2.364	N	84.570	W	33	N	4.2		1.1	20	OFF COAST OF CENTRAL AMERICA
24	05	05	01.1?	7.26	S	129.04	E	100	G	3.9		1.5	7	BANDA SEA
24	05	15	39.3	33.565	N	142.017	E	33	N	5.5	4.8	0.8	183	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:15:40.6; Lat 33.76 N; Lon 142.11 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.97, Plg=13, Azm=73; (N) Val=0.88, Plg=26, Azm=169; (P) Val=-9.85, Plg=61, Azm=319; Best double couple: Mo=9.4*10**16 Nm; NP1: Strike=133, Dip=39, Slip=-133; NP2: Strike=4, Dip=62, Slip=-61.
24	06	23	26.1*	24.090	N	122.724	E	100	G	4.1		0.8	17	TAIWAN REGION
24	07	25	39.8*	33.516	N	141.991	E	33	N			0.9	11	OFF EAST COAST OF HONSHU, JAPAN
24	07	46	13.1*	0.410	N	119.794	E	33	N	4.4		1.3	19	MINAHASSA PENINSULA, SULAWESI
24	08	09	06.7*	51.798	N	170.719	W	33	N			0.4	6	FOX ISLANDS, ALEUTIAN ISLANDS
24	08	29	50.9*	41.926	N	143.343	E	33	N			1.2	7	HOKKAIDO, JAPAN REGION
24	10	23	16.2?	5.91	S	106.61	W	10	G	4.0	3.8	1.1	12	CENTRAL EAST PACIFIC RISE
24	10	39	16.8&	33.247	N	60.033	E	10	G			0.4	10	NORTHERN IRAN
24	13	04	48.0&	65.390	N	148.029	W	18					14	NORTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
24	13	15	58.5	13.011	S	166.166	E	33	N	5.1	5.1	1.0	49	VANUATU ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:15:59.5; Lat 13.41 S; Lon 166.44 E; Dep 23.6; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.15, Plg=24, Azm=103; (N) Val=0.00, Plg=62, Azm=251; (P) Val=-1.14, Plg=13, Azm=7; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=143, Dip=63, Slip=172; NP2: Strike=237, Dip=83, Slip=27.
24	13	19	28.7?	14.57	S	166.64	E	33	N			1.5	7	VANUATU ISLANDS

24	13	49	33.0*	16.034	S	73.419	W	88	*		0.9	9	NEAR COAST OF PERU
24	14	03	28.7&	59.674	N	152.597	W	87				26	SOUTHERN ALASKA. <AEIC>.
24	16	11	47.7*	48.125	S	9.949	W	10	G	4.5	1.0	14	SOUTHERN MID-ATLANTIC RIDGE
24	16	24	34.1?	14.16	N	92.36	W	33	N	3.9	0.7	8	NEAR COAST OF CHIAPAS, MEXICO
24	16	44	24.9*	55.573	S	28.560	W	33	N		0.8	9	SOUTH SANDWICH ISLANDS REGION
24	17	08	58.4	31.571	N	104.281	E	33	N	4.5	0.8	32	SICHUAN, CHINA
24	18	01	07.6*	18.029	N	69.307	W	100	G	3.9	1.0	16	DOMINICAN REPUBLIC REGION
24	18	52	06.3	45.978	N	74.421	W	10	G		1.1	19	SOUTHERN ONTARIO, CANADA. mbLg 4.2 (OTT), 3.9 (GS). Felt in the Montreal-Ottawa area.
24	18	53	46.4*	12.557	N	57.874	E	10	G	4.4	0.6	11	ARABIAN SEA
24	20	11	22.4?	60.29	S	28.16	W	33	N	4.4	1.4	13	SOUTH SANDWICH ISLANDS REGION
24	20	20	15.8*	27.762	S	66.572	W	166	*		0.9	8	CATAMARCA PROVINCE, ARGENTINA
24	20	32	43.4?	29.90	N	68.21	E	33	N	3.8	1.4	7	PAKISTAN
24	21	10	58.1*	31.853	N	130.359	E	10	G	4.1	1.2	13	KYUSHU, JAPAN
24	21	48	00.6?	29.06	N	141.06	E	100	G	3.2	0.3	7	SOUTH OF HONSHU, JAPAN
24	22	00	26.0*	25.412	N	141.434	E	86	*	3.8	0.6	10	VOLCANO ISLANDS REGION
24	22	26	54.9	48.957	N	9.625	E	10	G		1.5	9	GERMANY. ML 2.9 (VIE), 2.9 (LDG), 2.5 (GRF).
24	22	54	47.0*	1.061	N	126.155	E	33	N	4.5	1.0	23	NORTHERN MOLUCCA SEA
25	00	12	53.1?	52.16	N	152.33	E	400	G	3.2	0.4	6	NORTHWEST OF KURIL ISLANDS
25	00	36	57.3*	22.597	S	68.456	W	115	*	3.9	0.9	14	NORTHERN CHILE
25	01	48	15.0&	43.734	N	6.651	E	5	G		1.1	12	NEAR SOUTH COAST OF FRANCE. ML 2.3 (LDG).
25	02	01	41.4*	35.229	N	67.851	E	33	N	3.6	1.5	12	HINDU KUSH REGION, AFGHANISTAN
25	02	08	47.6*	32.787	S	178.917	W	33	N	5.0	1.4	27	SOUTH OF KERMADEC ISLANDS
25	02	28	01.5*	36.619	N	71.089	E	232	*		0.9	18	AFGHANISTAN-TAJIKISTAN BORD REG.
25	02	28	28.5*	22.833	S	175.334	W	33	N	4.6	0.8	12	TONGA ISLANDS REGION
25	02	39	56.9	7.292	S	156.173	E	33	N	4.4	0.9	25	SOLOMON ISLANDS
25	02	51	57.8?	43.79	N	6.62	E	5	G		0.2	4	NEAR SOUTH COAST OF FRANCE. ML 1.6 (LDG).
25	03	04	29.4	51.670	N	16.270	E	5	G		0.6	18	POLAND. ML 3.2 (VIE), 3.0 (CLL).
25	03	34	33.3*	15.515	S	75.243	W	33	N	4.4	1.1	30	NEAR COAST OF PERU
25	06	09	17.5&	61.789	N	150.688	W	57				9	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 2.7 (PMR).
25	06	59	10.9*	40.938	N	115.235	E	33	N	4.2	1.8	12	NORTHEASTERN CHINA
25	08	02	32.5*	23.836	S	179.999	W	500	G	4.1	0.7	20	SOUTH OF FIJI ISLANDS
25	08	52	40.7&	63.313	N	151.060	W	19				11	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
25	09	15	41.0	15.349	S	173.528	W	89	D	4.9	0.8	91	TONGA ISLANDS
25	09	32	47.5?	12.79	N	87.38	W	33	N	3.9	0.9	8	NEAR COAST OF NICARAGUA
25	10	19	24.2	3.039	N	31.181	W	10	G	4.7 4.3	0.8	31	CENTRAL MID-ATLANTIC RIDGE
25	10	52	33.3*	3.486	N	31.499	W	10	G	4.1	0.7	11	CENTRAL MID-ATLANTIC RIDGE
25	11	07	37.5	50.480	N	6.444	E	5	G		0.8	11	GERMANY. ML 2.8 (LDG), 2.4 (UCC).
25	12	19	38.9*	24.780	N	123.602	E	200	G	3.2	0.8	10	SOUTHWESTERN RYUKYU ISLANDS
25	12	32	23.5*	43.588	S	16.235	W	10	G	4.6	1.1	11	SOUTHERN MID-ATLANTIC RIDGE
25	13	32	04.5?	20.93	S	178.54	W	500	G	4.1	0.5	10	FIJI ISLANDS REGION
25	14	49	22.9	51.941	N	176.797	E	76	*	4.4	1.1	52	RAT ISLANDS, ALEUTIAN ISLANDS
25	15	02	57.7*	28.448	N	143.370	E	33	N	4.8	1.1	20	BONIN ISLANDS REGION
25	15	07	42.7	33.135	N	60.198	E	10	G	4.5	0.8	31	NORTHERN IRAN
25	15	40	52.0	5.267	S	151.693	E	74		4.5	0.9	38	NEW BRITAIN REGION, P.N.G.
25	15	46	49.7*	28.528	N	143.320	E	33	N		0.7	8	BONIN ISLANDS REGION
25	17	16	21.0?	51.98	N	176.33	W	72	*	4.3	0.9	9	ANDREANOF ISLANDS, ALEUTIAN IS.
25	17	21	51.3	43.001	N	7.192	W	10	G		1.1	33	SPAIN. mbLg 3.9 (MDD). ML 3.8 (LDG). Felt (IV) in the Sarria-Becerrea area.
25	18	29	28.3?	0.19	N	125.80	E	33	N	4.0	0.9	8	NORTHERN MOLUCCA SEA
25	18	36	06.2*	31.538	S	179.087	W	33	N	4.5	1.1	30	KERMADEC ISLANDS REGION
25	18	47	22.5*	31.412	S	178.961	W	33	N	4.4	0.7	17	KERMADEC ISLANDS REGION
25	18	57	30.0	22.889	S	70.546	W	36	D	5.2 5.1	0.8	94	NEAR COAST OF NORTHERN CHILE. Mw 5.5 (HRV). Felt (IV) at Mejillones and (III) at Michilla. Centroid, Moment Tensor (HRV): Centroid origin time 18:57:31.4; Lat 23.24 S; Lon 71.20 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.95, Plg=70, Azm=86; (N) Val=0.35, Plg=1, Azm=178; (P) Val=-2.30, Plg=20, Azm=269; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=0, Dip=25, Slip=92; NP2: Strike=178, Dip=65, Slip=89.
25	19	26	57.4&	40.401	N	125.052	W	1				8	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK).
25	22	21	14.1	6.523	S	128.848	E	150	G	4.8	1.2	33	BANDA SEA
25	22	22	43.7	1.946	S	79.605	W	84	D	4.5	1.1	41	ECUADOR
25	23	22	33.1	32.115	S	179.791	E	333	D	6.2	1.2	256	SOUTH OF KERMADEC ISLANDS. Mw 7.1 (GS), 7.1 (HRV). Me 7.2 (GS). mb 6.7 (BRK). Felt strongly on Raoul. Felt throughout the North Island and as far south as Christchurch on the South Island. Broadband Source Parameters (GS): Dep 340; NP1: Strike=320, Dip=75, Slip=60; NP2: Strike=206, Dip=33, Slip=152; Radiated energy 1.4*10**15 Nm. Complex earthquake, with two events about 4.5 and 8.5 seconds after the onset. Depth based on first event. Moment Tensor (GS): Dep 331; Principal axes (scale 10**19 Nm): (T) Val=5.80, Plg=56, Azm=194; (N) Val=0.01, Plg=30, Azm=343; (P) Val=-5.82, Plg=14, Azm=82; Best double couple: Mo=5.8*10**19 Nm; NP1: Strike=207, Dip=41, Slip=141; NP2: Strike=328, Dip=66, Slip=56. Centroid, Moment Tensor (HRV): Centroid origin time 23:22:43.9; Lat 32.02 S; Lon 179.95 W; Dep 345.0; Half-duration 8.5 sec; Principal axes (scale 10**19 Nm): (T) Val=5.56, Plg=44, Azm=212; (N) Val=-0.83, Plg=40, Azm=355; (P) Val=-4.73, Plg=19, Azm=102; Best double couple: Mo=5.2*10**19 Nm; NP1: Strike=236, Dip=44, Slip=158; NP2: Strike=342, Dip=75, Slip=49. Scalar Moment (PPT): Mo=1.1*10**20 Nm.
26	00	23	49.4&	37.512	N	118.869	W	7				37	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.5 (BRK).
26	00	32	44.8?	3.31	S	134.37	E	33	N	3.8	1.3	7	IRIAN JAYA REGION, INDONESIA
26	00	37	12.6?	0.52	S	135.77	E	33	N	4.1	0.6	7	IRIAN JAYA REGION, INDONESIA
26	00	42	13.6?	13.23	S	166.29	E	33	N	4.4	1.0	8	VANUATU ISLANDS
26	00	45	32.1*	27.678	N	86.892	E	33	N		0.9	8	NEPAL

26	01	16	26.9?	19.20	S	176.53	W	250	G	4.4	0.8	13	FIJI ISLANDS REGION
26	01	17	54.0	32.937	N	47.035	E	33	N	4.7	0.9	40	IRAN-IRAQ BORDER REGION
26	02	46	32.8?	65.51	S	176.40	W	10	G		1.5	9	PACIFIC-ANTARCTIC RIDGE
26	04	57	12.6	10.977	S	166.177	E	200	G	4.6	0.8	42	SANTA CRUZ ISLANDS
26	05	01	23.1*	28.612	N	51.674	E	33	N	4.3	0.8	22	SOUTHERN IRAN
26	05	33	33.2	35.763	N	140.148	E	100	G	4.4	1.2	29	NEAR EAST COAST OF HONSHU, JAPAN
26	06	11	39.2&	43.545	N	151.708	E	33	N		0.5	6	EAST OF KURIL ISLANDS
26	06	46	04.2?	20.64	S	178.46	W	550	G	4.4	0.9	13	FIJI ISLANDS REGION
26	06	47	23.6*	19.257	N	146.452	E	100	G	4.5	0.9	17	MARIANA ISLANDS REGION
26	06	58	35.1	24.112	S	67.038	W	173	*	4.6	0.7	26	CHILE-ARGENTINA BORDER REGION
26	07	43	27.9?	18.86	N	62.72	W	33	N	3.4	0.5	5	LEEWARD ISLANDS
26	08	05	07.0*	17.731	N	145.701	E	234	*	3.9	1.0	15	MARIANA ISLANDS
26	08	29	22.7?	2.88	S	138.80	E	33	N	4.3	1.6	8	IRIAN JAYA, INDONESIA
26	08	54	57.8&	37.540	N	118.855	W	9				14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK).
26	10	42	26.3*	19.769	S	69.117	W	136	*		1.2	10	NORTHERN CHILE
26	10	50	11.2	47.429	S	165.961	E	33	N	5.5	1.2	54	OFF W. COAST OF S. ISLAND, N.Z. Mw 5.2 (HRV). Felt at Invercargill. Centroid, Moment Tensor (HRV): Centroid origin time 10:50:14.5; Lat 47.43 S Fix; Lon 165.96 E Fix; Dep 33.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=7.65, Plg=4, Azm=33; (N) Val=0.16, Plg=34, Azm=126; (P) Val=-7.81, Plg=56, Azm=296; Best double couple: Mo=7.7*10**16 Nm; NP1: Strike=92, Dip=50, Slip=-137; NP2: Strike=331, Dip=58, Slip=-49.
26	11	14	37.0	5.886	N	61.228	E	10	G	4.8	0.9	30	CARLSBERG RIDGE
26	11	22	13.4*	13.325	S	166.315	E	33	N	4.3	0.8	15	VANUATU ISLANDS
26	12	12	13.6?	3.47	S	153.41	E	429	*	3.9	0.8	10	NEW IRELAND REGION, P.N.G.
26	13	27	16.5&	35.938	N	120.487	W	10				38	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.1 (BRK), 3.0 (PAS).
26	14	49	11.4&	36.173	N	118.076	W	8				7	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM). ML 2.7 (PAS).
26	14	56	39.3	12.891	N	144.236	E	150	G	3.7	0.3	8	SOUTH OF MARIANA ISLANDS
26	15	43	05.2*	48.332	N	153.206	E	33	N	4.3	0.7	13	KURIL ISLANDS
26	16	07	14.4?	21.86	S	175.00	W	33	N	4.0	1.6	6	TONGA ISLANDS
26	16	09	30.8	37.363	N	141.467	E	41	D	4.6 4.2	1.0	59	NEAR EAST COAST OF HONSHU, JAPAN
26	16	29	52.0	27.830	S	66.764	W	150	G	4.4	0.9	34	CATAMARCA PROVINCE, ARGENTINA
26	17	27	09.4?	0.38	N	125.84	E	33	N	4.5	1.3	11	NORTHERN MOLUCCA SEA
26	17	41	02.0	45.087	N	150.443	E	48	D		0.9	14	KURIL ISLANDS
26	18	04	45.1?	18.47	S	176.03	W	200	G	3.9	0.6	9	FIJI ISLANDS REGION
26	20	03	42.0?	6.25	S	153.84	E	33	N	3.7	1.0	5	NEW BRITAIN REGION, P.N.G.
26	21	56	07.5?	3.28	S	129.87	E	33	N	3.9	0.5	7	SERAM, INDONESIA
26	23	15	28.6?	6.90	N	72.65	W	150	G	3.6	0.8	5	NORTHERN COLOMBIA
26	23	38	55.4	43.242	N	17.543	E	10	G	3.7	1.3	37	NORTHWESTERN BALKAN REGION. Felt (V) at Mostar, Bosnia and Herzegovina.
27	00	21	50.5*	3.766	N	95.327	E	33	N	4.2	1.1	20	OFF W COAST OF NORTHERN SUMATERA
27	00	47	47.3&	44.361	N	7.462	E	5	G		0.4	6	NORTHERN ITALY. ML 1.7 (LDG).
27	01	27	18.1*	34.108	N	77.660	E	33	N	4.7	1.4	25	EASTERN KASHMIR
27	01	50	53.1*	35.287	S	78.706	E	10	G	4.6	1.0	12	MID-INDIAN RIDGE
27	01	56	24.8	42.618	N	86.158	E	22	D	4.9	1.0	37	NORTHERN XINJIANG, CHINA
27	02	43	42.5?	52.58	N	173.30	W	100	G		1.0	5	ANDREANOF ISLANDS, ALEUTIAN IS.
27	03	06	25.9&	59.604	N	153.109	W	107				4	SOUTHERN ALASKA. <AEIC>.
27	03	13	58.5*	37.337	S	176.729	E	200	G	4.7	1.5	40	NORTH ISLAND, NEW ZEALAND. Felt at Napier and Wellington.
27	05	11	24.0&	28.519	N	141.035	E	33	N		1.1	8	BONIN ISLANDS REGION
27	05	41	14.3*	25.371	S	70.663	W	71	?		1.0	8	NEAR COAST OF NORTHERN CHILE
27	06	10	31.7*	54.925	S	136.170	W	10	G	5.3 5.9	1.1	44	PACIFIC-ANTARCTIC RIDGE. Mw 6.1 (HRV), 6.0 (GS). Ms 6.0 (BRK). Moment Tensor (GS): Dep 18; Principal axes (scale 10**18 Nm): (T) Val=1.26, Plg=12, Azm=338; (N) Val=-0.01, Plg=77, Azm=171; (P) Val=-1.24, Plg=3, Azm=69; Best double couple: Mo=1.3*10**18 Nm; NP1: Strike=114, Dip=79, Slip=7; NP2: Strike=23, Dip=83, Slip=169. Centroid, Moment Tensor (HRV): Centroid origin time 06:10:41.1; Lat 54.39 S; Lon 135.92 W; Dep 15.0 Fix; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=1.38, Plg=8, Azm=156; (N) Val=0.03, Plg=75, Azm=36; (P) Val=-1.41, Plg=13, Azm=248; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=291, Dip=76, Slip=-4; NP2: Strike=22, Dip=86, Slip=-166.
27	06	47	09.4*	21.297	S	179.021	W	600	G	4.3	0.9	16	FIJI ISLANDS REGION
27	06	47	26.9	42.759	N	17.675	E	10	G		1.2	35	ADRIATIC SEA. Felt (VI) in the Ston area, Croatia.
27	06	47	46.8&	61.838	N	150.923	W	55				7	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
27	07	17	30.1&	40.645	N	77.635	E	33	N		1.0	8	KYRGYZSTAN-XINJIANG BORDER REG.
27	08	00	29.0	15.212	S	173.328	W	14	G	5.6 6.3	1.0	151	TONGA ISLANDS. Mw 6.4 (HRV), 6.3 (GS). Me 5.9 (GS). Ms 6.4 (BRK). Broadband Source Parameters (GS): Dep 14; Radiated energy 1.5*10**13 Nm. Two events about 1.5 seconds apart. Depth based on first event. Moment Tensor (GS): Dep 7; Principal axes (scale 10**18 Nm): (T) Val=2.71, Plg=59, Azm=312; (N) Val=0.02, Plg=25, Azm=170; (P) Val=-2.73, Plg=17, Azm=72; Best double couple: Mo=2.7*10**18 Nm; NP1: Strike=129, Dip=36, Slip=43; NP2: Strike=2, Dip=66, Slip=118. Centroid, Moment Tensor (HRV): Centroid origin time 08:00:38.7; Lat 15.27 S; Lon 172.79 W; Dep 17.0 Bdy; Half-duration 3.9 sec; Principal axes (scale 10**18 Nm): (T) Val=3.89, Plg=65, Azm=291; (N) Val=0.58, Plg=11, Azm=176; (P) Val=-4.47, Plg=22, Azm=82; Best double couple: Mo=4.2*10**18 Nm; NP1: Strike=151, Dip=25, Slip=63; NP2: Strike=1, Dip=68, Slip=102. Scalar Moment (PPT): Mo=7.4*10**18 Nm.
27	08	11	17.2&	17.715	S	178.632	W	550	G		1.1	12	FIJI ISLANDS REGION
27	08	18	02.7*	15.403	S	173.207	W	33	N	4.8	1.1	22	TONGA ISLANDS
27	09	03	22.9&	30.495	N	142.644	E	33	N		1.1	9	SOUTH OF HONSHU, JAPAN

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27  09 25 58.4& 61.583 N  149.739 W   35                        6  SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
27  09 27 12.8* 15.395 S  173.063 W   33 N  4.6 5.4  1.0     59  TONGA ISLANDS. Mw 5.6 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   09:27:16.7; Lat 15.66 S; Lon 172.40 W; Dep 16.5; Half-
                                                                   duration 1.6 sec; Principal axes (scale 10**17 Nm): (T)
                                                                   Val=3.41, Plg=84, Azm=176; (N) Val=-0.29, Plg=6, Azm=354;
                                                                   (P) Val=-3.12, Plg=0, Azm=84; Best double couple:
                                                                   Mo=3.3*10**17 Nm; NP1: Strike=180, Dip=45, Slip=98; NP2:
                                                                   Strike=349, Dip=45, Slip=82.
27  10 16 04.1% 39.522 N   77.053 E   15 D        1.1     12  SOUTHERN XINJIANG, CHINA
27  10 40 25.7% 43.368 N    4.623 E   10 G        1.1      6  NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG).
27  10 42 31.4? 11.65  N   85.74  W   33 N  4.3   1.4      8  NICARAGUA
27  10 55 38.6  54.782 N  158.264 E  248 D  4.4   0.9     29  KAMCHATKA
27  11 49 15.5   0.869 S   21.023 W   10 G  4.4 4.3  0.9     38  CENTRAL MID-ATLANTIC RIDGE
27  14 14 39.0& 46.830 N  119.360 W    2                       7  WASHINGTON. <SEA-P>. MD 3.3 (SEA).
27  15 09 03.7  16.325 N  145.442 E  536 D  5.5   0.9    154  MARIANA ISLANDS. Mw 5.6 (GS), 5.6 (HRV).
                                                                  Moment Tensor (GS): Dep 532; Principal axes (scale 10**17
                                                                   Nm): (T) Val=3.23, Plg=12, Azm=325; (N) Val=-0.01, Plg=20,
                                                                   Azm=230; (P) Val=-3.22, Plg=66, Azm=82; Best double couple:
                                                                   Mo=3.2*10**17 Nm; NP1: Strike=79, Dip=38, Slip=-56; NP2:
                                                                   Strike=218, Dip=60, Slip=-114.
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   15:09:07.8; Lat 16.24 N; Lon 145.61 E; Dep 537.0; Half-
                                                                   duration 1.5 sec; Principal axes (scale 10**17 Nm): (T)
                                                                   Val=2.65, Plg=8, Azm=338; (N) Val=0.49, Plg=18, Azm=245;
                                                                   (P) Val=-3.15, Plg=70, Azm=90; Best double couple:
                                                                   Mo=2.9*10**17 Nm; NP1: Strike=88, Dip=40, Slip=-61; NP2:
                                                                   Strike=232, Dip=55, Slip=-112.
27  15 31 43.2* 43.565 N  126.805 W   10 G        0.8     13  OFF COAST OF OREGON
27  15 42 43.0* 12.686 N   88.156 W   68 D  4.3 3.5  1.0     31  OFF COAST OF CENTRAL AMERICA
27  16 18 38.2?  2.52  N   31.35  E   10 G        1.3      5  UGANDA
27  16 41 03.1*  2.504 N   31.604 E   10 G  4.8 4.1  0.9     25  UGANDA. Felt at Gulu.
27  17 21 41.5?  1.97  N   31.37  E   10 G        1.5     13  UGANDA
27  17 38 26.7* 13.510 N   88.984 W   72 D  4.1   1.0     19  EL SALVADOR
27  19 13 44.5% 23.880 S  179.939 W  500 G        0.6     11  SOUTH OF FIJI ISLANDS
27  20 08 36.0? 17.90  S   69.57  W  148 *        1.3      7  PERU-BOLIVIA BORDER REGION
27  20 37 06.1% 33.108 N   60.085 E   10 G        0.4     11  NORTHERN IRAN
27  20 58 52.7*  0.147 N  123.466 E  156 D  5.2   1.1     44  MINAHASSA PENINSULA, SULAWESI
27  21 57 41.9  53.062 N  171.773 E   33 N  4.4   1.0     39  NEAR ISLANDS, ALEUTIAN ISLANDS. ML 4.4 (AEIC).
27  23 02 36.4  14.243 S   72.906 W   94 D  4.5   0.9     39  CENTRAL PERU
27  23 40 22.7  82.023 N  119.393 E   26 D  4.0   1.2     22  NORTH OF SEVERNAYA ZEMLYA
28  00 05 00.3?  1.78  N   31.36  E   10 G        1.5      6  UGANDA
28  00 36 16.5*  0.484 S   96.936 E   33 N        1.3     19  SOUTHWEST OF SUMATERA, INDONESIA
28  01 11 38.3* 59.504 S   26.363 W   79 ?        1.0     16  SOUTH SANDWICH ISLANDS REGION
28  02 03 13.1?  6.19  S  152.08  E   33 N        0.3      5  NEW BRITAIN REGION, P.N.G.
28  04 17 43.8& 60.189 N  152.993 W  131                      17  SOUTHERN ALASKA. <AEIC>.
28  04 33 45.4? 18.25  S  175.70  E   33 N        0.3      5  FIJI ISLANDS REGION
28  04 37 35.3* 15.126 S  173.420 W   33 N  3.7   0.6     13  TONGA ISLANDS
28  05 04 17.2  38.726 N   48.716 E   33 N  4.0   1.5     15  ARMENIA-AZERBAIJAN-IRAN BORD REG. Felt at Ardebil and
                                                                   Astara, Iran.
28  05 20 55.6* 34.768 N   67.776 E   33 N  4.9   1.0     28  AFGHANISTAN
28  05 32 31.3* 12.632 N   95.967 E   33 N        0.9     16  ANDAMAN ISLANDS, INDIA
28  08 36 02.1*  1.712 N  127.331 E  135 ?  4.2   1.2     14  HALMAHERA, INDONESIA
28  08 47 15.6* 51.075 N  176.456 W   33 N  4.0   1.2     17  ANDREANOF ISLANDS, ALEUTIAN IS.
28  08 48 50.0% 55.614 N  160.860 W   33 N        0.8      7  ALASKA PENINSULA
28  09 06 00.5& 54.144 N  164.137 W   60                      28  UNIMAK ISLAND REGION. <AEIC>. ML 4.0 (AEIC).
28  09 10 30.7  46.933 N  145.005 E  351 *  4.5   0.9     72  SEA OF OKHOTSK
28  10 10 36.7& 63.456 N  151.108 W    9                      14  CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.1 (PMR).
28  11 44 46.3? 52.01  N  176.10  W   33 N  3.9   0.9      9  ANDREANOF ISLANDS, ALEUTIAN IS.
28  13 56 20.9? 19.00  N  121.52  E   33 N        1.3      5  LUZON, PHILIPPINE ISLANDS
28  15 12 24.2& 59.833 N  152.650 W   91                      25  SOUTHERN ALASKA. <AEIC>.
28  16 19 27.4? 28.00  N   81.04  E   33 N        0.7      5  NEPAL-INDIA BORDER REGION
28  16 38 08.8? 15.84  S  172.64  W   63 D        1.0      6  SAMOA ISLANDS REGION
28  17 04 15.3* 20.229 S  177.655 W  528 *        1.0     17  FIJI ISLANDS REGION
28  17 14 44.9  32.892 N  136.972 E  389    4.1   1.0     28  SOUTHEAST OF SHIKOKU, JAPAN
28  17 38 00.0  10.814 N   69.275 W   18 D        0.7     17  VENEZUELA
28  17 47 11.7* 47.852 S   32.459 E   10 G  5.0 4.4  1.0     19  PRINCE EDWARD ISLANDS REGION
28  18 13 44.4  36.378 N   70.690 E  126 ?  4.9   1.0     57  HINDU KUSH REGION, AFGHANISTAN
28  18 35 17.1  34.864 N   32.400 E   33 N  4.2   0.8     40  CYPRUS REGION. ML 4.2 (JER).
28  19 25 32.4   6.826 N   72.959 W  166 D  4.1   0.8     18  NORTHERN COLOMBIA
28  19 45 15.0  51.662 N   16.255 E    5 G        0.5      8  POLAND. ML 3.0 (GRF), 3.0 (VIE).
28  20 55 57.4* 36.202 N  136.994 E  275          1.2     23  NEAR WEST COAST OF HONSHU, JAPAN
28  21 31 44.1& 60.223 N  152.649 W   97    4.3           120  SOUTHERN ALASKA. <AEIC>. Felt at Homer.
28  22 02 45.3*  2.845 S   77.102 W  150 G  3.5   1.2     14  PERU-ECUADOR BORDER REGION
28  23 02 58.4  43.566 N  127.051 W   10 G  3.8 3.6  0.9     51  OFF COAST OF OREGON
29  00 11 38.9? 12.98  N   89.52  W   33 N        0.3     11  OFF COAST OF CENTRAL AMERICA. MD 3.5 (SSS). Felt (II) at San
                                                                   Salvador, El Salvador.
29  00 12 30.2  55.651 S   26.806 W   33 N  5.2 4.8  1.1     65  SOUTH SANDWICH ISLANDS REGION. Mw 5.4 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   00:12:36.7; Lat 55.55 S; Lon 27.07 W; Dep 31.5; Half-
                                                                   duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                                   Val=1.16, Plg=65, Azm=276; (N) Val=0.21, Plg=18, Azm=142;
                                                                   (P) Val=-1.36, Plg=17, Azm=46; Best double couple:
                                                                   Mo=1.3*10**17 Nm; NP1: Strike=111, Dip=32, Slip=55; NP2:
                                                                   Strike=331, Dip=64, Slip=110.
29  00 25 26.2% 36.348 N   71.001 E  150 G        0.6      7  AFGHANISTAN-TAJIKISTAN BORD REG.
29  00 48 14.9& 33.347 N  116.912 W    7                      26  SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt at
                                                                   Escondido.
29  01 49 23.5% 42.789 N    7.271 W   10 G        1.5      6  SPAIN. mbLg 3.6 (MDD).
29  03 18 33.7? 17.93  N  101.91  W   33 N  3.8   1.5     11  NEAR COAST OF GUERRERO, MEXICO
29  04 05 46.9* 38.355 N   73.625 E  143 D        1.0     21  TAJIKISTAN-XINJIANG BORDER REG.
29  04 10 17.7* 32.942 S   71.114 W   50 G        0.3      9  NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
29  04 49 37.2* 26.429 N   96.678 E  132 ?        0.8     16  MYANMAR
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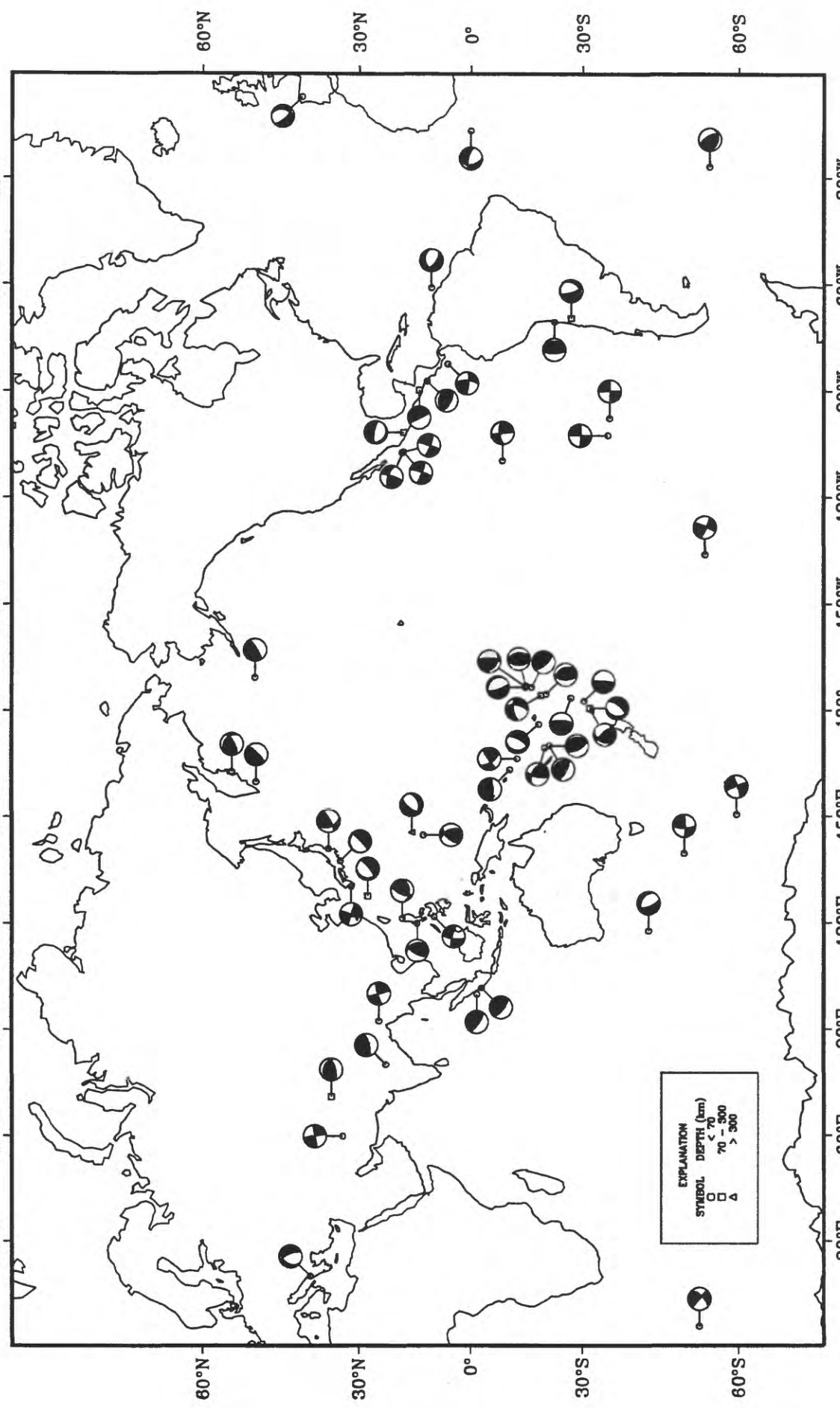
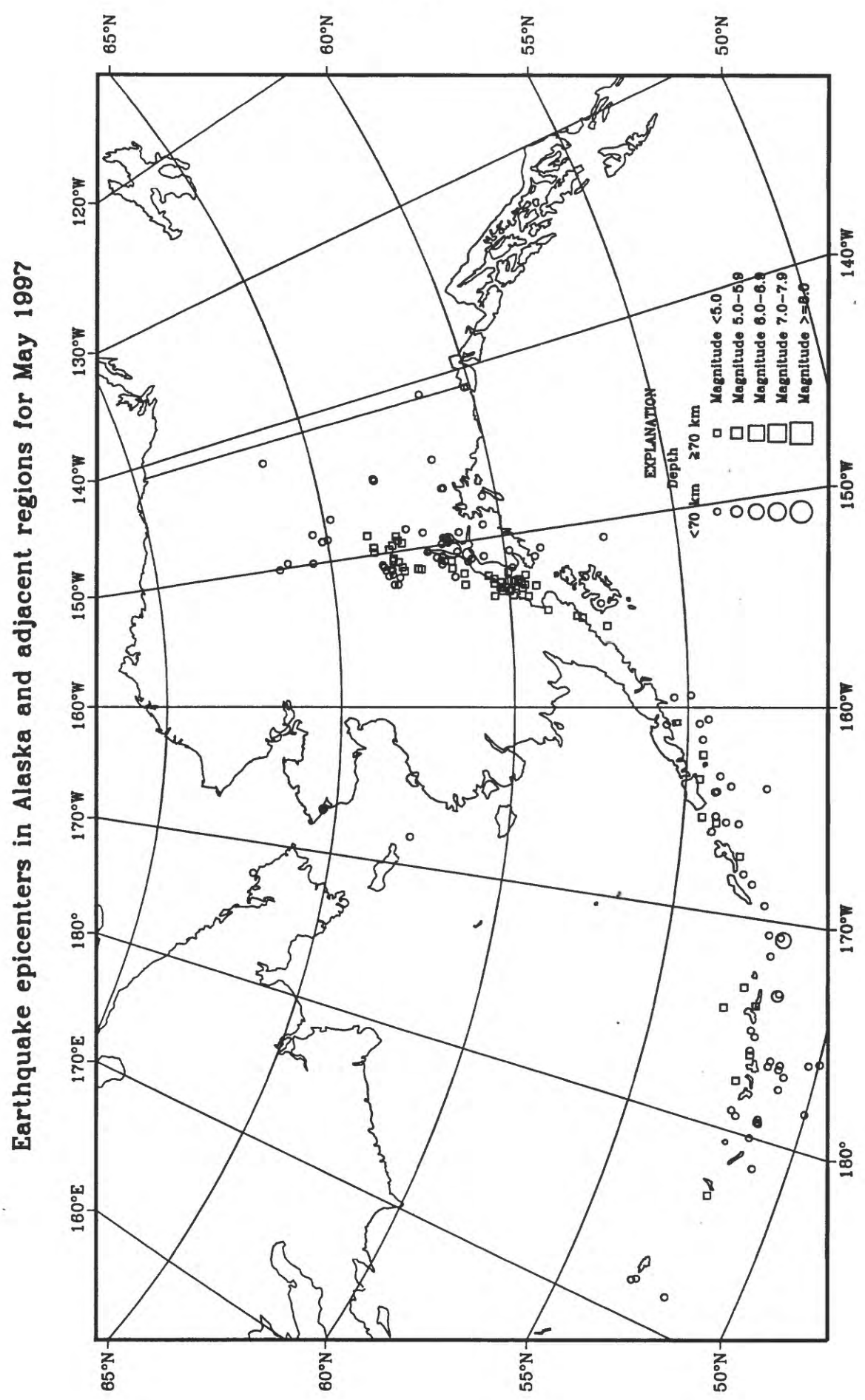
29	06	02	09.1&	54.528	N	162.346	W	76		4.7			59	ALASKA PENINSULA. <AEIC>.
29	06	33	40.5*	16.739	S	14.500	W	10	G	4.5	4.1	1.2	18	SOUTHERN MID-ATLANTIC RIDGE
29	06	57	22.2*	3.079	N	97.894	E	33	N			1.1	9	NORTHERN SUMATERA, INDONESIA
29	07	05	40.5?	20.95	S	168.88	E	50	G			1.3	11	LOYALTY ISLANDS
29	07	44	54.9&	40.389	N	124.972	W	5					7	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM).
29	08	15	04.7&	63.720	N	149.845	W	136					44	CENTRAL ALASKA. <AEIC>.
29	08	43	29.2&	64.814	N	147.218	W	17					22	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
29	09	18	49.1*	6.797	S	132.112	E	50	G			0.4	7	TANIMBAR ISLANDS REG., INDONESIA
29	10	21	06.8&	37.117	N	121.521	W	8					29	CENTRAL CALIFORNIA. <GM-P>. Mw 3.4 (BRK). MD 3.4 (GM). ML 3.6 (BRK). Felt in the epicentral area. Scalar Moment (BRK): Mo=1.2*10**14 Nm.
29	10	22	45.1&	37.118	N	121.524	W	7					9	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
29	10	37	12.9	14.112	N	91.283	W	100	G	4.3		0.9	47	GUATEMALA. MD 4.7 (SSS). Felt (II) at San Salvador, El Salvador.
29	11	42	36.0%	7.286	S	129.390	E	33	N			1.1	10	BANDA SEA
29	11	55	42.7	43.921	N	147.303	E	67	D	4.3		0.9	47	KURIL ISLANDS
29	13	46	47.9*	15.330	S	173.424	W	33	N	4.7	5.2	1.0	25	TONGA ISLANDS
29	14	08	21.2	6.680	S	155.065	E	51	*	4.9		0.9	32	SOLOMON ISLANDS
29	14	36	22.8?	35.64	S	100.18	W	10	G			1.1	9	SOUTHERN PACIFIC OCEAN
29	14	59	30.8?	53.51	S	24.91	E	10	G			1.0	6	SOUTH OF AFRICA
29	15	10	49.4?	67.98	N	11.71	E	10	G			0.4	4	NORWEGIAN SEA
29	15	50	31.9&	54.607	N	163.553	W	80					9	UNIMAK ISLAND REGION. <AEIC>.
29	16	01	38.8?	32.62	S	71.70	W	5	G			0.8	8	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
29	16	53	38.0*	37.732	N	27.692	E	33	N	3.4		1.4	14	TURKEY
29	17	02	38.7	35.964	S	102.511	W	10	G	5.6	6.1	1.0	148	SOUTHERN PACIFIC OCEAN. Mw 6.5 (HRV), 6.4 (GS). Ms 6.2 (BRK). Moment Tensor (GS): Dep 28; Principal axes (scale 10**18 Nm): (T) Val=4.34, Plg=3, Azm=46; (N) Val=0.25, Plg=85, Azm=173; (P) Val=-4.60, Plg=4, Azm=316; Best double couple: Mo=4.5*10**18 Nm; NP1: Strike=91, Dip=85, Slip=-179; NP2: Strike=1, Dip=89, Slip=-5. Centroid, Moment Tensor (HRV): Centroid origin time 17:02:45.7; Lat 36.03 S; Lon 102.41 W; Dep 15.0 Bdy; Half-duration 4.0 sec; Principal axes (scale 10**18 Nm): (T) Val=6.26, Plg=8, Azm=50; (N) Val=-0.81, Plg=81, Azm=204; (P) Val=-5.46, Plg=4, Azm=319; Best double couple: Mo=5.9*10**18 Nm; NP1: Strike=94, Dip=82, Slip=177; NP2: Strike=185, Dip=87, Slip=8. Scalar Moment (PPT): Mo=6.4*10**18 Nm.
29	17	21	55.0%	38.047	N	6.218	W	10	G			0.9	5	SPAIN
29	18	28	44.0&	37.119	N	121.523	W	8					27	CENTRAL CALIFORNIA. <GM-P>. Mw 3.4 (BRK). MD 3.4 (GM). ML 3.8 (BRK). Felt in the epicentral area. Scalar Moment (BRK): Mo=1.2*10**14 Nm.
29	18	29	16.3*	39.682	N	76.977	E	33	N	4.8		1.0	9	SOUTHERN XINJIANG, CHINA
29	19	03	34.1*	19.620	S	179.215	W	700	G	3.9		1.0	17	FIJI ISLANDS REGION
29	19	16	50.8?	25.69	S	179.59	E	600	G			0.7	10	SOUTH OF FIJI ISLANDS
29	21	17	32.1%	32.804	S	71.339	W	50	G			0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
29	21	26	05.4*	20.344	S	174.348	W	33	N	4.4		1.3	19	TONGA ISLANDS
29	21	52	30.5?	21.26	S	179.11	W	600	G			0.7	11	FIJI ISLANDS REGION
29	22	38	45.4*	33.800	N	137.421	E	315	*			0.4	6	NEAR S. COAST OF HONSHU, JAPAN
29	22	46	32.4?	24.78	S	175.31	W	33	N			0.1	5	SOUTH OF TONGA ISLANDS
30	01	00	32.7	82.051	N	119.296	E	10	G	4.2		0.7	20	NORTH OF SEVERNAYA ZEMLYA
30	01	32	07.4*	46.911	N	147.096	E	200	G	3.2		0.8	14	NORTHWEST OF KURIL ISLANDS
30	01	49	23.5%	42.789	N	7.271	W	10	G			1.5	6	SPAIN. mbLg 3.6 (MDD). Felt (III) in the Sarria-Becerrea area.
30	02	11	35.7?	31.16	S	69.64	W	150	G			0.5	9	SAN JUAN PROVINCE, ARGENTINA. MD 3.4 (SAN).
30	02	11	41.7?	53.03	N	174.43	W	200	G			1.0	5	ANDREANOF ISLANDS, ALEUTIAN IS.
30	04	40	23.9&	61.075	N	151.223	W	64					10	SOUTHERN ALASKA. <AEIC>. ML 3.6 (AEIC), 3.5 (PMR).
30	05	40	32.1?	19.06	N	67.98	W	5	G			0.3	6	MONA PASSAGE. MD 3.5 (MPR).
30	14	44	37.0&	57.952	N	155.065	W	87					4	ALASKA PENINSULA. <AEIC>.
30	15	17	20.0	31.887	N	115.794	W	5	G	4.1		1.0	33	BAJA CALIFORNIA, MEXICO. MD 4.4 (ECX). ML 4.0 (PAS). Felt from San Diego, California to Tijuana, Mexico.
30	15	52	55.6*	45.400	N	26.414	E	100	G			0.6	6	ROMANIA
30	16	40	05.9*	12.218	N	144.733	E	33	N			0.5	6	SOUTH OF MARIANA ISLANDS
30	17	48	22.8*	6.983	N	72.868	W	150	G	4.5		0.8	10	NORTHERN COLOMBIA
30	17	54	53.0	37.146	N	78.052	E	33	N	5.2	5.2	0.9	59	SOUTHERN XINJIANG, CHINA. Mw 5.1 (HRV). Felt at Pishan. Centroid, Moment Tensor (HRV): Centroid origin time 17:54:54.4; Lat 37.18 N; Lon 78.06 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.85, Plg=68, Azm=205; (N) Val=0.96, Plg=0, Azm=296; (P) Val=-4.80, Plg=22, Azm=26; Best double couple: Mo=4.3*10**16 Nm; NP1: Strike=117, Dip=23, Slip=91; NP2: Strike=296, Dip=67, Slip=90.
30	18	05	50.4%	37.155	N	77.828	E	33	N			1.2	9	SOUTHERN XINJIANG, CHINA
30	19	01	40.2%	28.296	N	143.643	E	33	N			1.0	11	BONIN ISLANDS REGION
30	19	07	02.7%	26.378	N	141.365	E	33	N			0.9	12	BONIN ISLANDS REGION
30	19	18	17.5%	5.573	N	126.156	E	150	G			0.8	9	MINDANAO, PHILIPPINE ISLANDS
30	19	28	20.0	47.665	N	16.071	E	10	G			0.9	10	AUSTRIA. ML 3.4 (VIE). Felt (V) at Ternitz.
30	19	39	31.8&	62.795	N	168.174	W	5	G				23	BERING SEA. <AEIC>. ML 4.6 (AEIC).
30	19	43	34.1	26.613	N	140.307	E	355	D	4.6		0.9	61	BONIN ISLANDS REGION
30	20	20	33.0	44.353	N	149.432	E	33	N	4.8	4.6	1.1	68	KURIL ISLANDS
30	20	22	41.5?	17.45	S	178.77	W	550	G			1.3	8	FIJI ISLANDS REGION
30	20	35	28.2*	54.096	S	6.049	E	10	G	5.1	5.0	1.3	21	BOUVET ISLAND REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:35:36.0; Lat 54.18 S; Lon 6.83 E; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=3.41, Plg=19, Azm=0; (N) Val=-0.42, Plg=63, Azm=130; (P) Val=-2.99, Plg=19, Azm=263; Best double couple: Mo=3.2*10**17 Nm; NP1: Strike=42, Dip=63, Slip=-179; NP2: Strike=312, Dip=89, Slip=-27.
30	21	05	48.9?	39.12	N	77.17	E	33	N			1.1	8	SOUTHERN XINJIANG, CHINA
30	22	18	06.9	16.272	N	97.852	W	33	N	4.8	4.0	1.1	62	OAXACA, MEXICO
30	22	54	31.7?	15.03	S	172.84	W	33	N			0.6	5	SAMOA ISLANDS REGION
30	23	11	24.7%	2.637	N	125.776	E	100	G			1.0	17	TALAUD ISLANDS, INDONESIA

30	23	24	11.5*	12.597	N	87.723	W	100	G	4.4	1.1	24	NEAR COAST OF NICARAGUA
30	23	31	40.4?	15.71	S	172.98	W	33	N		0.9	11	SAMOA ISLANDS REGION
30	23	35	56.2?	52.07	N	179.04	W	33	N		1.5	10	ANDREANOF ISLANDS, ALEUTIAN IS.
31	00	19	05.9?	65.34	N	166.95	W	10	G		1.6	8	NORTHERN ALASKA. ML 3.7 (PMR).
31	01	09	59.2&	61.635	N	149.660	W	37				7	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.5 (PMR).
31	01	44	29.8*	23.384	N	125.462	E	33	N		1.2	16	SOUTHWESTERN RYUKYU ISLANDS
31	01	53	25.6*	5.269	N	126.812	E	33	N	4.8	1.2	11	MINDANAO, PHILIPPINE ISLANDS
31	03	26	41.3	33.182	N	95.966	W	5	G		0.7	7	CENTRAL TEXAS. mbLg 3.4 (GS). Felt in the Commerce-Greenville area.
31	04	59	00.1*	22.161	N	45.249	W	10	G	4.3 4.1	1.0	24	NORTHERN MID-ATLANTIC RIDGE
31	05	29	01.7*	45.751	N	26.451	E	140			1.4	15	ROMANIA
31	06	51	05.8	25.561	N	117.155	E	33	N		0.5	13	NEAR SOUTHEASTERN COAST OF CHINA. Some buildings damaged at Liancheng and Yongan. Felt throughout Fujian and in parts of Jiangxi and Guangdong Provinces.
31	09	48	20.0&	61.745	N	151.003	W	60				6	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 2.9 (PMR).
31	11	06	07.1&	40.402	N	125.026	W	0				5	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
31	12	35	38.0*	11.626	N	86.311	W	100	G	4.3	1.2	20	NEAR COAST OF NICARAGUA
31	12	38	15.0*	5.608	S	147.046	E	150	G		0.8	9	EASTERN NEW GUINEA REG., P.N.G.
31	12	48	13.3?	10.42	N	86.36	W	33	N	4.5	1.0	13	OFF COAST OF COSTA RICA
31	12	56	07.0*	13.560	S	166.342	E	33	N	4.8 4.3	1.5	19	VANUATU ISLANDS
31	13	24	18.1?	1.48	N	31.31	E	33	N		1.5	6	UGANDA
31	13	42	19.5*	34.582	N	47.381	E	33	N	4.1	1.1	13	WESTERN IRAN
31	15	16	44.0&	61.823	N	151.177	W	65				13	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.1 (PMR).
31	15	47	47.9&	39.865	N	142.756	E	33	N		1.1	8	NEAR EAST COAST OF HONSHU, JAPAN
31	18	19	29.4*	29.907	N	68.201	E	33	N		1.3	19	PAKISTAN
31	18	19	55.4?	24.69	S	175.70	W	33	N	3.9	1.5	14	SOUTH OF TONGA ISLANDS
31	18	43	21.7&	63.062	N	150.672	W	110				5	CENTRAL ALASKA. <AEIC>.
31	18	54	24.0*	16.389	S	178.216	E	33	N	4.5	1.1	23	FIJI ISLANDS
31	19	14	38.1&	63.003	N	149.340	W	81				9	CENTRAL ALASKA. <AEIC>.
31	19	20	18.6	34.893	N	73.683	E	33	N	5.0	1.0	34	PAKISTAN
31	21	26	24.3	29.869	N	68.177	E	33	N	4.5	0.9	38	PAKISTAN
31	21	29	54.9&	8.489	S	118.502	E	100	G		0.8	13	SUMBAWA REGION, INDONESIA
31	23	21	10.5*	16.592	N	120.049	E	33	N	4.6	0.7	12	LUZON, PHILIPPINE ISLANDS
31	23	46	12.5?	15.61	S	174.93	W	300	G	4.1	1.1	13	TONGA ISLANDS

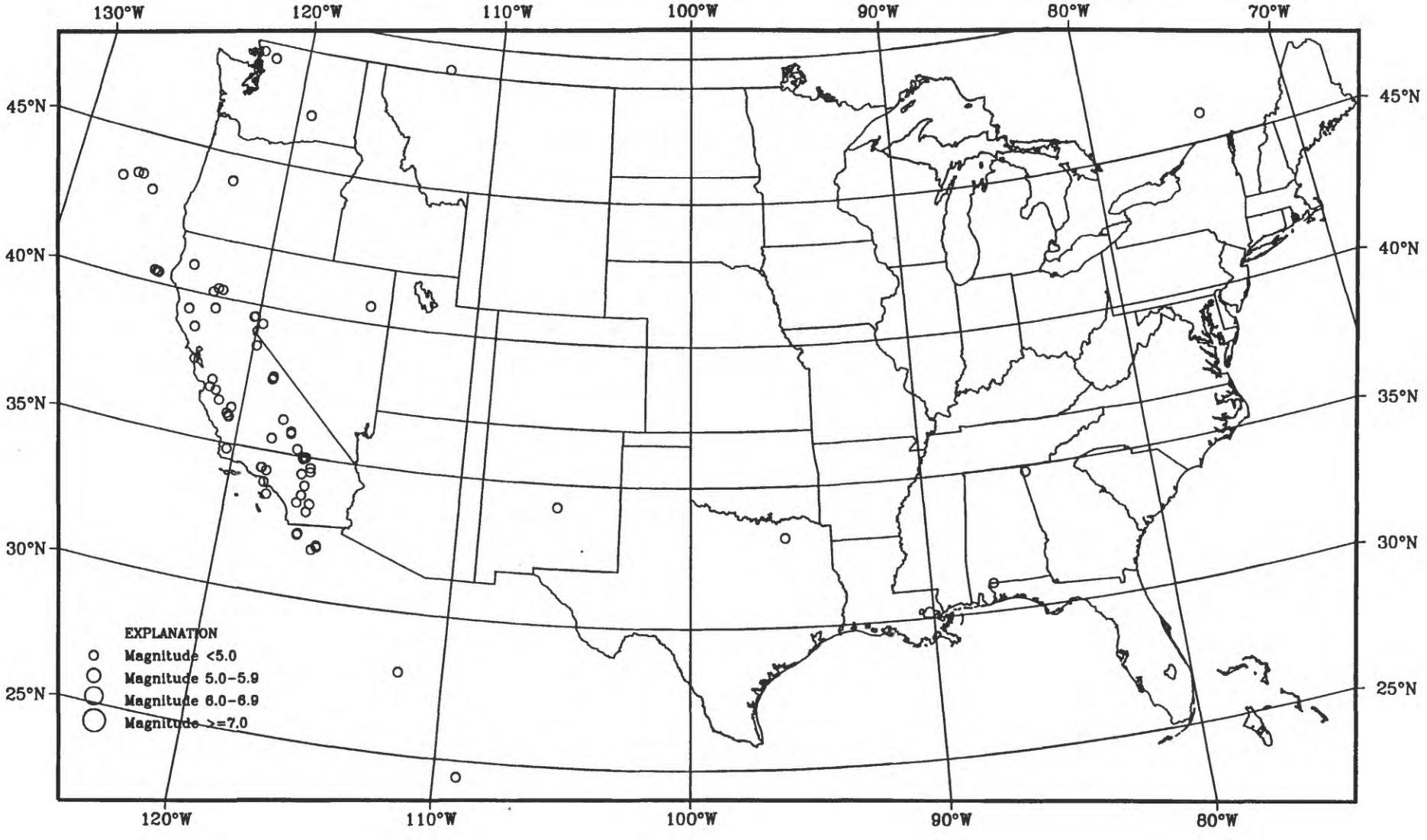
Compiled by Pamela J. Benfield, Don L. Blakeman, George L. Choy, Stuart K. Koyanagi, John H. Minsch, Waverly J. Person, Stuart A. Sipkin, William K. Smith and Madeleine D. Zirbes.

Earthquake Focal Mechanisms for May 1997

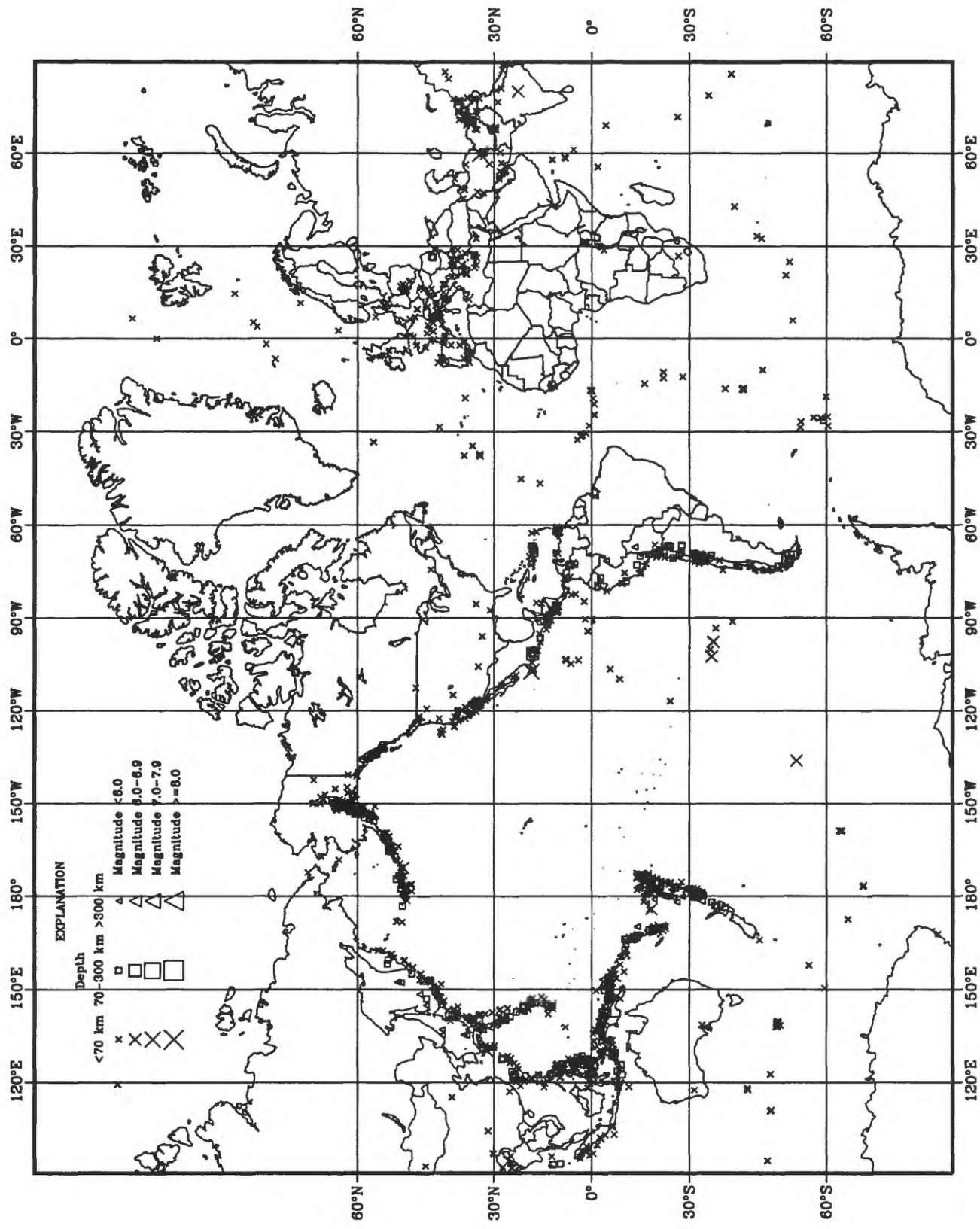



Earthquake epicenters in Alaska and adjacent regions for May 1997
65°N
60°N
55°N
50°N
120°W
130°W
140°W
150°W
160°W
170°W
180°
170°E
160°E
EXPLANATION
Depth
<70 km ≥70 km
Magnitude <5.0
Magnitude 5.0-5.9
Magnitude 6.0-6.9
Magnitude 7.0-7.9
Magnitude >=8.0

Earthquake epicenters in the conterminous United States and adjacent regions for May 1997



Earthquakes located worldwide in May 1997



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

USGS
science for a changing world

Preliminary Determination of Epicenters

Monthly Listing

National Earthquake Information Center

JUNE 1997

ORIGIN TIME UTC DAY	HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH	MAGNITUDE MB	Msz	GS	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	01	00	55.0%	36.273	N	71.196	E	100	G			0.7	6	AFGHANISTAN-TAJIKISTAN BORD REG.
01	01	09	01.9	47.250	N	10.759	E	5	G			0.8	19	AUSTRIA. ML 3.2 (VIE). Felt (IV) at Imst.
01	03	07	50.3&	41.089	N	125.965	W	13		4.1			55	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. Mw 4.3 (BRK). MD 4.0 (GM). ML 4.1 (BRK). Scalar Moment (BRK): Mo=2.8*10**15 Nm.
01	03	30	59.6*	6.120	S	147.487	E	33	N	4.3		1.1	20	EASTERN NEW GUINEA REG., P.N.G.
01	05	12	49.9*	50.223	N	12.283	E	5	G			0.4	7	GERMANY. ML 3.8 (VIE).
01	06	07	45.5	41.163	N	140.330	E	168		4.1		1.0	28	HOKKAIDO, JAPAN REGION
01	07	55	35.8	15.202	S	173.126	W	33	N	4.7	4.5	0.6	29	TONGA ISLANDS
01	08	24	08.9&	63.037	N	150.643	W	106					10	CENTRAL ALASKA. <AEIC>.
01	08	54	34.3&	60.022	N	152.756	W	99					4	SOUTHERN ALASKA. <AEIC>.
01	08	55	29.4&	59.146	N	153.577	W	112					4	SOUTHERN ALASKA. <AEIC>.
01	09	26	11.3*	18.302	N	146.673	E	33	N			1.1	10	MARIANA ISLANDS
01	09	38	12.1?	59.21	S	147.37	E	10	G	4.2		1.4	7	WEST OF MACQUARIE ISLAND
01	09	47	54.0*	42.632	N	143.045	E	100	G			1.0	15	HOKKAIDO, JAPAN REGION
01	10	33	37.2	39.757	N	42.058	E	10	G			1.0	21	TURKEY
01	11	00	34.1	24.137	S	175.866	W	33	N	4.9	4.8	0.9	52	SOUTH OF TONGA ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:00:37.0; Lat 24.38 S; Lon 175.35 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.77, Plg=62, Azm=296; (N) Val=-0.50, Plg=1, Azm=204; (P) Val=-7.27, Plg=28, Azm=113; Best double couple: Mo=7.5*10**16 Nm; NP1: Strike=199, Dip=17, Slip=85; NP2: Strike=24, Dip=73, Slip=91.
01	11	19	14.6*	4.826	S	106.968	E	400	G			0.8	18	SOUTHERN SUMATERA, INDONESIA
01	12	06	03.2*	17.188	S	69.432	W	167	*			1.2	13	PERU-BOLIVIA BORDER REGION
01	12	09	40.6?	16.50	N	92.95	W	150	G	4.5		0.8	34	CHIAPAS, MEXICO
01	12	16	47.1%	43.576	N	145.225	E	100	G			0.8	8	HOKKAIDO, JAPAN REGION
01	12	27	05.9%	5.396	S	153.112	E	33	N			1.2	13	NEW IRELAND REGION, P.N.G.
01	13	58	04.9?	38.24	N	73.66	E	100	G	4.0		1.1	20	TAJIKISTAN-XINJIANG BORDER REG.
01	15	02	38.6	26.981	N	129.536	E	33	N	5.5	5.1	1.3	99	RYUKYU ISLANDS. Mw 5.6 (GS), 5.6 (HRV). Moment Tensor (GS): Dep 17; Principal axes (scale 10**17 Nm): (T) Val=2.95, Plg=33, Azm=314; (N) Val=0.50, Plg=10, Azm=218; (P) Val=-3.45, Plg=55, Azm=114; Best double couple: Mo=3.2*10**17 Nm; NP1: Strike=78, Dip=15, Slip=-49; NP2: Strike=216, Dip=79, Slip=-100. Centroid, Moment Tensor (HRV): Centroid origin time 15:02:40.4; Lat 26.89 N; Lon 129.46 E; Dep 18.0; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.61, Plg=15, Azm=311; (N) Val=-0.22, Plg=1, Azm=42; (P) Val=-2.39, Plg=75, Azm=137; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=39, Dip=30, Slip=-93; NP2: Strike=222, Dip=60, Slip=-88.
01	16	04	15.6%	1.061	N	98.738	E	33	N			0.9	12	NORTHERN SUMATERA, INDONESIA
01	17	15	03.7*	16.932	S	71.321	W	100	G	3.9		1.2	15	SOUTHERN PERU. Felt (III) at Arequipa.
01	17	19	05.4%	36.856	N	137.855	E	243				1.0	13	EASTERN HONSHU, JAPAN
01	18	17	23.3?	19.24	S	177.73	W	500	G	3.3		1.0	8	FIJI ISLANDS REGION
01	18	17	47.0&	60.362	N	147.696	W	9					5	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
01	18	46	34.9%	27.203	N	131.176	E	150	G			0.6	6	SOUTHEAST OF RYUKYU ISLANDS
01	20	02	12.4*	17.048	S	14.094	W	10	G	5.0		0.7	9	SOUTHERN MID-ATLANTIC RIDGE
01	20	59	12.7	36.390	N	141.405	E	33	N			1.1	5	NEAR EAST COAST OF HONSHU, JAPAN
01	21	48	38.6	9.926	N	125.807	E	89	D	4.5		1.2	36	MINDANAO, PHILIPPINE ISLANDS
01	22	10	41.1*	1.108	S	15.635	W	10	G			0.6	8	NORTH OF ASCENSION ISLAND
01	22	50	25.8&	54.888	N	161.601	W	90		4.4			29	ALASKA PENINSULA. <AEIC>.
02	00	21	42.3	26.849	N	140.419	E	434	D	4.0		1.1	41	BONIN ISLANDS REGION
02	01	09	44.3*	45.178	S	167.174	E	100	G	4.1		1.2	11	SOUTH ISLAND, NEW ZEALAND
02	01	22	36.2&	59.951	N	153.487	W	135					70	SOUTHERN ALASKA. <AEIC>.
02	01	59	26.6*	20.821	S	67.278	W	214	*			0.5	8	SOUTHERN BOLIVIA
02	02	01	13.6%	9.948	N	122.270	E	33	N			0.8	9	NEGROS, PHILIPPINE ISLANDS
02	03	05	07.1	51.046	N	170.143	W	33	N	4.3		1.2	35	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.2 (PMR).
02	03	40	34.0	14.091	N	91.402	W	33	N	4.2	4.0	0.7	37	GUATEMALA

02	03	42	46.7	44.862	N	146.853	E	142	D	4.3	1.1	53	KURIL ISLANDS
02	03	48	29.8*	36.339	N	70.578	E	150	G		1.2	9	HINDU KUSH REGION, AFGHANISTAN
02	03	54	42.9	33.963	N	48.291	E	27	D	4.7	0.9	39	WESTERN IRAN. Felt in parts of Hamadan, Kermanshahan and Lorestan Provinces.
02	04	11	57.6&	1.493	S	145.654	E	33	N		0.8	9	ADMIRALTY ISLANDS REGION, P.N.G.
02	04	31	53.0?	15.42	N	98.22	W	33	N	3.7	1.6	8	OFF COAST OF GUERRERO, MEXICO
02	04	48	45.4*	5.357	S	102.783	E	39	D	4.8	1.2	34	SOUTHERN SUMATERA, INDONESIA
02	04	57	07.6*	56.321	S	27.385	W	99	D	4.9	1.0	45	SOUTH SANDWICH ISLANDS REGION
02	05	17	23.6	19.247	N	108.177	W	10	G	4.2 3.6	1.0	49	REVILLA GIGEDO ISLANDS REGION
02	06	25	22.2&	36.604	N	121.205	W	6				12	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM).
02	07	04	30.7&	36.604	N	121.204	W	7				10	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
02	07	08	17.4*	30.569	N	141.700	E	33	N		1.0	16	SOUTH OF HONSHU, JAPAN
02	08	01	27.2*	4.697	S	103.198	E	33	N	4.3	1.1	44	SOUTHERN SUMATERA, INDONESIA
02	08	15	59.0	30.598	N	141.701	E	33	N	4.7 4.6	1.1	63	SOUTH OF HONSHU, JAPAN
02	08	59	07.1	35.946	N	70.766	E	99	D	5.0	0.9	46	HINDU KUSH REGION, AFGHANISTAN
02	11	47	18.4	39.016	N	70.647	E	53	*		0.9	17	TAJIKISTAN
02	12	11	39.2*	51.357	S	139.184	E	10	G	4.7	0.9	13	SOUTH OF AUSTRALIA
02	14	10	38.4?	20.04	S	64.95	W	33	N		1.5	12	SOUTHERN BOLIVIA
02	16	30	57.2?	33.64	S	70.32	W	100	G		0.1	6	CHILE-ARGENTINA BORDER REGION
02	16	42	26.6*	7.164	S	122.955	E	550	G	3.8	0.9	26	FLORES SEA
02	17	31	15.5&	61.452	N	149.985	W	47				5	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
02	18	16	36.8	68.237	N	18.744	W	10	G		1.3	17	ICELAND REGION
02	18	18	10.4	68.307	N	18.344	W	10	G		1.2	19	ICELAND REGION
02	18	38	40.8?	24.53	S	179.97	E	500	G		1.0	12	SOUTH OF FIJI ISLANDS
02	18	41	30.4&	27.029	N	129.813	E	33	N		0.9	11	RYUKYU ISLANDS
02	18	51	11.3*	26.704	N	129.243	E	33	N		1.4	11	RYUKYU ISLANDS
02	18	55	09.0	68.299	N	18.948	W	10	G	4.5	1.4	20	ICELAND REGION
02	19	01	22.4&	62.603	N	149.786	W	76				7	CENTRAL ALASKA. <AEIC>.
02	19	19	21.2	27.047	N	129.343	E	33	N	5.1 5.2	1.2	75	RYUKYU ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:19:21.7; Lat 27.00 N; Lon 129.85 E; Dep 21.0 Bdy; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.60, Plg=1, Azm=118; (N) Val=-0.08, Plg=6, Azm=208; (P) Val=-1.52, Plg=84, Azm=19; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=202, Dip=44, Slip=-99; NP2: Strike=34, Dip=46, Slip=-81.
02	19	25	17.1*	3.387	S	148.282	E	33	N	5.1	1.4	30	BISMARCK SEA. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:25:18.0; Lat 3.22 S; Lon 148.95 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=3.23, Plg=27, Azm=152; (N) Val=-0.83, Plg=57, Azm=10; (P) Val=-2.40, Plg=17, Azm=251; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=294, Dip=58, Slip=8; NP2: Strike=200, Dip=84, Slip=148.
02	19	30	09.6*	28.045	N	92.625	E	33	N	4.8	1.3	20	EASTERN XIZANG-INDIA BORDER REG.
02	19	32	49.5&	44.376	N	149.193	E	33	N		0.9	16	KURIL ISLANDS
02	19	49	09.8?	3.68	S	148.98	E	33	N		1.5	14	BISMARCK SEA
02	20	36	41.4&	6.853	N	127.195	E	33	N		1.4	12	PHILIPPINE ISLANDS REGION
02	20	46	02.2	29.888	N	139.183	E	400	G		0.7	17	SOUTH OF HONSHU, JAPAN
02	21	08	32.3?	19.84	S	69.66	W	33	N		0.6	6	NORTHERN CHILE
02	21	08	51.4*	53.547	S	140.118	E	10	G	4.9	1.2	20	WEST OF MACQUARIE ISLAND. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:09:07.2; Lat 52.77 S; Lon 140.91 E; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.56, Plg=22, Azm=225; (N) Val=-0.51, Plg=63, Azm=8; (P) Val=-2.06, Plg=14, Azm=129; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=265, Dip=64, Slip=174; NP2: Strike=358, Dip=85, Slip=26.
02	21	24	38.4	57.776	S	25.466	W	33	N	5.9 5.8	1.0	119	SOUTH SANDWICH ISLANDS REGION. Mw 6.1 (GS), 6.1 (HRV). Me 5.8 (GS). Broadband Source Parameters (GS): Dep 24; NP1: Strike=355, Dip=60, Slip=95; NP2: Strike=165, Dip=30, Slip=81; Radiated energy 1.3*10**13 Nm. Moment Tensor (GS): Dep 26; Principal axes (scale 10**18 Nm): (T) Val=1.27, Plg=69, Azm=268; (N) Val=0.18, Plg=8, Azm=155; (P) Val=-1.45, Plg=19, Azm=63; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=139, Dip=27, Slip=71; NP2: Strike=339, Dip=65, Slip=99. Centroid, Moment Tensor (HRV): Centroid origin time 21:24:45.6; Lat 57.96 S; Lon 25.03 W; Dep 27.0 Bdy; Half-duration 2.8 sec; Principal axes (scale 10**18 Nm): (T) Val=1.55, Plg=73, Azm=291; (N) Val=0.14, Plg=9, Azm=169; (P) Val=-1.69, Plg=14, Azm=77; Best double couple: Mo=1.6*10**18 Nm; NP1: Strike=154, Dip=32, Slip=73; NP2: Strike=354, Dip=60, Slip=100.
02	22	01	33.8?	18.67	S	176.28	E	33	N		1.6	11	FIJI ISLANDS REGION
02	22	56	26.1?	23.75	S	179.78	E	600	G		1.0	10	SOUTH OF FIJI ISLANDS
02	23	26	12.2*	23.083	S	66.275	W	250	G		0.7	6	JUJUY PROVINCE, ARGENTINA
02	23	29	21.6*	13.387	N	89.251	W	80	D	4.3	1.2	34	EL SALVADOR
02	23	49	38.9&	32.759	N	140.293	E	150	G		0.9	8	SOUTH OF HONSHU, JAPAN
02	23	55	46.9*	26.973	N	129.627	E	33	N		1.0	19	RYUKYU ISLANDS
03	00	43	06.7*	30.357	S	177.357	W	33	N	4.7	1.1	13	KERMADEC ISLANDS, NEW ZEALAND
03	01	03	35.2*	13.785	S	166.687	E	100	G		1.0	15	VANUATU ISLANDS
03	01	13	42.7	40.248	N	19.946	E	10	G	4.1	1.0	35	ALBANIA
03	01	18	39.0*	25.673	N	125.031	E	200	G		0.7	13	SOUTHWESTERN RYUKYU ISLANDS
03	02	13	09.6?	50.97	N	177.79	E	33	N	4.0	1.5	8	RAT ISLANDS, ALEUTIAN ISLANDS
03	04	21	15.5*	52.207	N	177.807	E	100	G		1.4	10	RAT ISLANDS, ALEUTIAN ISLANDS
03	04	45	29.9&	22.613	N	45.238	W	10	G		0.6	8	NORTHERN MID-ATLANTIC RIDGE
03	05	02	52.5&	57.733	S	25.341	W	45	D		0.8	10	SOUTH SANDWICH ISLANDS REGION
03	05	59	07.9*	26.201	N	125.882	E	150	G		1.0	14	NORTHEAST OF TAIWAN
03	06	50	32.8&	35.186	N	77.846	E	33	N		0.6	9	EASTERN KASHMIR
03	07	20	51.6?	51.51	N	178.18	E	33	N		1.5	5	RAT ISLANDS, ALEUTIAN ISLANDS
03	10	41	08.6&	30.529	N	141.751	E	33	N		1.2	11	SOUTH OF HONSHU, JAPAN

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03  10 44 26.8? 28.85  S  177.16  W   33 N  4.7       1.4   14  KERMADEC ISLANDS REGION
03  11 28 13.4? 32.06  S   70.15  W  100 G              0.6   11  CHILE-ARGENTINA BORDER REGION
03  12 10 05.2  40.270 N  143.535 E   33 N  4.3       1.1   30  OFF EAST COAST OF HONSHU, JAPAN
03  12 23 49.9*  2.193 S  120.159 E   33 N  4.9 4.9    1.4   33  SULAWESI, INDONESIA. Mw 5.4 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                12:23:55.1; Lat 1.95 S; Lon 120.33 E; Dep 42.1; Half-
                                                                duration 1.1 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.72, Plg=3, Azm=176; (N) Val=-0.45, Plg=22, Azm=85;
                                                                (P) Val=-1.27, Plg=68, Azm=274; Best double couple:
                                                                Mo=1.5*10**17 Nm; NP1: Strike=287, Dip=46, Slip=-59; NP2:
                                                                Strike=67, Dip=52, Slip=-118.
03  13 00 12.4& 59.553 S   26.306 W  100 G              0.9   13  SOUTH SANDWICH ISLANDS REGION
03  13 24 00.8& 17.313 S  167.752 E   33 N              1.0   16  VANUATU ISLANDS. Felt at Port-Vila.
03  15 31 18.4* 32.545 N  142.474 E   33 N  4.1        0.5   10  SOUTH OF HONSHU, JAPAN
03  15 36 25.6? 5.51  S  151.46  E   55 D              1.0   10  NEW BRITAIN REGION, P.N.G.
03  15 42 34.8* 14.854 N  119.949 E   33 N              1.0   11  LUZON, PHILIPPINE ISLANDS
03  15 51 29.8& 24.249 S  179.870 E  500 G              0.5    9  SOUTH OF FIJI ISLANDS
03  17 59 57.9? 17.82  S   69.00  W  200 G              0.3    6  PERU-BOLIVIA BORDER REGION
03  20 01 28.0  53.236 N  169.747 W  106 *  4.7        1.1   66  FOX ISLANDS, ALEUTIAN ISLANDS. Felt (IV) at Nikolski.
03  21 18 09.9  52.319 N  158.978 E   65 D  4.4        0.9   36  NEAR EAST COAST OF KAMCHATKA
03  22 32 15.9? 56.11  S   27.06  W  200 G  3.9        1.0   12  SOUTH SANDWICH ISLANDS REGION
03  22 41 13.7& 27.038 N  100.684 E   33 N              1.0    8  YUNNAN, CHINA
03  22 49 32.2  24.825 N  140.888 E  190 D  4.9        1.0   97  VOLCANO ISLANDS REGION
03  23 29 20.4? 13.13  N   89.66  W   33 N              0.2   11  EL SALVADOR. MD 4.2 (SSS). Felt (IV) at San Salvador.
04  00 22 46.2& 64.814 N  149.578 W   20                      6  CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.6 (PMR). Felt at
                                                                Fairbanks.
04  00 55 50.6& 60.592 N  147.034 W   20                      4  SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
04  02 26 44.7*  5.769 S  146.690 E  100 G  3.8        0.9   12  EASTERN NEW GUINEA REG., P.N.G.
04  03 14 41.7* 52.991 N  170.383 W   95 *              1.0   21  FOX ISLANDS, ALEUTIAN ISLANDS
04  04 21 22.5& 62.820 N  151.074 W  104                      6  CENTRAL ALASKA. <AEIC>.
04  05 21 56.4& 61.659 N  150.861 W   69                      5  SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 2.9 (PMR).
04  09 12 30.6& 63.933 N  148.348 W  110                      4  CENTRAL ALASKA. <AEIC>.
04  09 32 57.1*  2.027 S  120.182 E   33 N  4.8        1.3   27  SULAWESI, INDONESIA
04  10 37 49.8?  2.87  N  123.58  E   33 N              1.0    6  CELEBES SEA
04  10 40 13.5? 18.94  S  177.44  W  100 G              0.4    7  FIJI ISLANDS REGION
04  10 54 17.5& 4.894  N  126.617 E   33 N              0.8    9  TALAUD ISLANDS, INDONESIA
04  12 16 28.8  43.159 N   84.097 E   33 D  4.7        1.2   40  NORTHERN XINJIANG, CHINA
04  12 33 27.8? 31.78  S   70.06  W  140 G              0.4   10  CHILE-ARGENTINA BORDER REGION
04  12 40 12.0& 46.804 N  152.937 E   33 N              1.0   14  KURIL ISLANDS
04  13 19 58.7*  8.318 S  126.021 E   33 N  4.0        1.0    8  TIMOR REGION, INDONESIA
04  14 10 51.6* 26.922 N  129.755 E   35 D  4.0        0.9   15  RYUKYU ISLANDS
04  14 30 08.5  52.771 N  167.548 W   33 N  4.2        1.1   39  FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.1 (PMR).
04  15 04 55.6* 36.621 N   26.437 E   33 N  4.2        1.2   14  DODECANESE ISLANDS
04  15 52 42.9* 26.859 N   52.454 E   33 N  4.2        0.7   17  PERSIAN GULF
04  15 55 40.9  81.035 N  121.320 E   10 G  3.5        0.7   12  EAST OF SEVERNAYA ZEMLYA, RUSSIA
04  15 56 42.1  36.259 N   71.154 E  119 *  4.4        1.0   34  AFGHANISTAN-TAJIKISTAN BORD REG.
04  17 08 03.1& 44.994 N   10.125 E   10 G              0.6   15  NORTHERN ITALY. ML 2.5 (LDG).
04  19 29 38.6* 23.139 N   79.974 E   33 N              0.9    8  SOUTHERN INDIA. MD 3.9 (HYB).
04  19 32 11.3& 45.045 N   10.122 E   10 G              0.7   13  NORTHERN ITALY. ML 2.5 (LDG).
04  19 32 49.8? 45.20  N   10.63  E   10 G              1.2    7  NORTHERN ITALY. ML 2.7 (LDG).
04  19 34 03.5*  3.320 S  134.637 E   50 G  3.5        1.5    9  IRIAN JAYA REGION, INDONESIA
04  19 50 08.1&  3.651 S  151.345 E   33 N              0.4    8  NEW IRELAND REGION, P.N.G.
04  22 55 23.7& 33.477 N  116.519 W    6 G                     22  SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
04  23 15 55.1  42.648 N  142.828 E  111 D  4.5        0.8   74  HOKKAIDO, JAPAN  REGION
04  23 55 02.8  23.969 S   66.560 W  213 *  4.5        0.9   43  JUJUY PROVINCE, ARGENTINA
05  00 25 08.0? 54.51  S  133.34  W   10 G  4.6        0.7    9  PACIFIC-ANTARCTIC RIDGE
05  00 31 10.8? 39.68  N   76.99  E   33 N              1.4    6  SOUTHERN XINJIANG, CHINA
05  01 24 15.0*  5.364 S  150.669 E  100 G  4.3        1.1   20  NEW BRITAIN REGION, P.N.G.
05  03 04 54.0& 31.913 N  115.807 W    6 G                     21  BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 2.9 (PAS). MD 3.2 (ECX).
05  03 30 05.9* 29.710 N   68.160 E   33 N  4.1        1.4   15  PAKISTAN
05  04 16 34.1*  4.890 S  153.148 E  100 G  4.1        0.9   12  NEW IRELAND REGION, P.N.G.
05  04 49 35.7? 51.68  N  167.35  W   33 N              1.6    6  FOX ISLANDS, ALEUTIAN ISLANDS
05  05 37 12.3? 38.17  N   74.51  E  179 ?              1.4   10  TAJIKISTAN-XINJIANG BORDER REG.
05  05 53 35.5  45.107 N  141.697 E  289 D  4.8        1.0  150  HOKKAIDO, JAPAN  REGION
05  08 15 41.4*  3.645 N   98.239 E  181 ?  4.3        1.0   14  NORTHERN SUMATERA, INDONESIA
05  08 37 39.5  42.505 N   33.897 E   10 G  4.4        1.0   16  BLACK SEA
05  09 32 58.4  49.950 N  153.414 E  202 D  4.6        1.0   75  KURIL ISLANDS
05  10 32 59.7* 35.458 N  141.498 E   33 N  4.3        1.4   12  NEAR EAST COAST OF HONSHU, JAPAN
05  10 33 15.3* 52.242 S   13.760 E   10 G  4.6        1.1   15  SOUTHWEST OF AFRICA
05  10 55 54.8  49.268 N  155.396 E   44 D  4.7 3.9    1.0   73  KURIL ISLANDS
05  11 11 26.4& 61.785 N  149.693 W   40                      8  SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.5 (PMR).
05  12 21 45.8? 13.14  S  166.45  E   33 N  4.3        1.2   15  VANUATU ISLANDS
05  12 44 46.1  56.614 S  147.834 E   10 G  5.3 5.4    1.2   58  WEST OF MACQUARIE ISLAND. Mw 5.7 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                12:44:51.4; Lat 56.73 S; Lon 147.25 E; Dep 15.0 Fix; Half-
                                                                duration 1.7 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=4.15, Plg=17, Azm=30; (N) Val=-0.52, Plg=67, Azm=254;
                                                                (P) Val=-3.63, Plg=15, Azm=125; Best double couple:
                                                                Mo=3.9*10**17 Nm; NP1: Strike=168, Dip=67, Slip=1; NP2:
                                                                Strike=77, Dip=89, Slip=157.
05  12 46 27.5*  4.616 N   77.570 W   50 G              0.8   14  NEAR WEST COAST OF COLOMBIA
05  13 57 34.7  29.285 N  130.532 E   40 *  4.9        1.2   35  RYUKYU ISLANDS
05  13 57 41.8& 54.641 N  161.410 W   12                      11  ALASKA PENINSULA. <AEIC>. ML 4.0 (AEIC).
05  14 38 05.3  53.500 N  172.123 E   33 N  5.1        0.8  100  NEAR ISLANDS, ALEUTIAN ISLANDS
05  14 44 11.9*  4.265 S  153.116 E   33 N  4.4        0.8   15  NEW IRELAND REGION, P.N.G.
05  15 26 55.0  19.333 S  175.259 W  139 D  5.2        1.0   58  TONGA ISLANDS
05  16 14 33.8   3.422 N   83.978 W   33 N  4.5 4.2    0.8   31  OFF COAST OF CENTRAL AMERICA
05  16 14 57.1* 33.094 N   94.397 E   33 N  4.0        1.0   12  QINGHAI, CHINA
05  16 37 47.5*  8.974 S  124.256 E   50 G  4.7        1.0   14  TIMOR REGION, INDONESIA
05  17 17 53.2* 20.297 S  178.324 W  600 G  4.6        1.0   15  FIJI ISLANDS REGION
05  17 28 35.5? 28.46  N   57.18  E   33 N              0.5    6  SOUTHERN IRAN
05  17 44 03.6* 12.477 N  143.996 E   33 N  4.3        1.5   14  SOUTH OF MARIANA ISLANDS
05  18 23 42.9  44.966 N    9.783 E   10 G              1.0   21  NORTHERN ITALY. ML 2.8 (LDG).
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05	20	22	56.9	47.344	N	10.692	E	5	G		1.4	52	AUSTRIA. ML 4.6 (GRF), 4.4 (CLL), 4.1 (LDG).
05	20	39	58.9%	45.957	N	2.997	E	5	G		0.3	5	FRANCE. ML 1.6 (LDG).
05	20	58	21.6%	42.780	N	2.160	E	10	G		1.3	21	PYRENEES. ML 3.8 (LDG). Felt (III) in the eastern Pyrenees.
05	22	09	07.6*	3.745	N	126.801	E	50	G	4.2	1.1	12	TALAUD ISLANDS, INDONESIA
05	22	35	55.6	51.604	N	16.264	E	5	G		0.8	12	POLAND
05	22	43	18.2&	35.970	N	117.984	W	6				5	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
05	22	45	18.1%	57.733	N	32.691	W	10	G		0.9	8	NORTH ATLANTIC OCEAN
05	23	02	07.4*	38.286	N	90.099	E	33	N	4.3	1.2	17	SOUTHERN XINJIANG, CHINA
05	23	54	37.8	4.470	N	126.261	E	60	D	4.8	0.8	40	TALAUD ISLANDS, INDONESIA
06	00	14	53.0	51.624	N	16.393	E	5	G		0.6	8	POLAND. ML 3.4 (GRF).
06	00	23	06.1	39.268	N	76.557	E	33	N	4.7	0.9	31	SOUTHERN XINJIANG, CHINA
06	00	51	39.6	21.412	S	71.606	W	33	N	4.7 4.2	1.0	54	OFF COAST OF NORTHERN CHILE
06	01	50	48.2	2.729	N	95.822	E	23	D	4.8 4.4	0.9	59	OFF W COAST OF NORTHERN SUMATERA
06	02	24	33.9?	18.32	N	106.63	W	33	N	4.3	1.1	10	OFF COAST OF JALISCO, MEXICO
06	03	08	15.8*	24.112	N	94.092	E	100	G		1.3	17	MYANMAR-INDIA BORDER REGION
06	03	20	29.0*	47.059	N	10.845	E	10	G		0.9	5	AUSTRIA
06	03	24	27.0	51.653	N	16.088	E	5	G		1.3	22	POLAND. ML 4.4 (GRF).
06	03	47	27.3	2.816	N	95.787	E	22	D	4.9 4.7	1.1	57	OFF W COAST OF NORTHERN SUMATERA
06	04	20	32.4&	63.256	N	150.856	W	5				5	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
06	05	24	45.4?	31.88	S	71.64	W	5	G		0.7	9	NEAR COAST OF CENTRAL CHILE
06	05	47	15.7?	50.09	N	154.44	E	200	G	4.1	1.0	11	KURIL ISLANDS
06	06	19	56.3?	54.40	S	133.61	W	10	G	4.0	1.2	12	PACIFIC-ANTARCTIC RIDGE
06	06	25	34.3	12.499	N	141.510	E	31	D	5.3 4.3	1.1	52	SOUTH OF MARIANA ISLANDS
06	06	26	40.0%	34.078	N	141.877	E	33	N		0.7	9	OFF EAST COAST OF HONSHU, JAPAN
06	07	41	36.7%	20.825	N	121.364	E	33	N		1.2	8	PHILIPPINE ISLANDS REGION
06	08	02	30.9*	22.123	S	179.663	W	600	G	3.6	0.9	13	SOUTH OF FIJI ISLANDS
06	08	40	46.0*	57.584	S	157.674	E	10	G	5.0 5.0	1.4	26	MACQUARIE ISLANDS REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:40:50.2; Lat 57.57 S; Lon 157.40 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.53, Plg=12, Azm=128; (N) Val=-0.26, Plg=78, Azm=316; (P) Val=-2.27, Plg=2, Azm=219; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=264, Dip=80, Slip=8; NP2: Strike=173, Dip=83, Slip=170.
06	09	09	30.1	36.070	N	139.825	E	59			0.8	13	EASTERN HONSHU, JAPAN
06	09	23	39.3%	33.688	S	70.851	W	80	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
06	10	16	20.6?	29.81	N	68.58	E	33	N		1.4	6	PAKISTAN
06	11	06	30.1?	32.87	N	59.96	E	10	G		0.5	5	NORTHERN IRAN
06	12	01	04.2	7.371	S	156.023	E	27	D	4.9 4.6	0.8	36	SOLOMON ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:01:07.4; Lat 7.74 S; Lon 156.25 E; Dep 44.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.52, Plg=68, Azm=99; (N) Val=-1.32, Plg=19, Azm=310; (P) Val=-5.20, Plg=11, Azm=217; Best double couple: Mo=5.9*10**16 Nm; NP1: Strike=284, Dip=38, Slip=58; NP2: Strike=143, Dip=58, Slip=113.
06	14	32	55.7*	55.615	N	161.841	E	33	N	4.2	0.8	10	NEAR EAST COAST OF KAMCHATKA
06	15	25	34.6*	52.239	N	170.652	W	33	N	4.3	1.4	22	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
06	15	40	02.6?	48.15	N	19.40	E	10	G		0.8	6	CZECH AND SLOVAK REPUBLICS
06	15	43	02.8*	7.121	S	130.753	E	100	G		0.8	9	TANIMBAR ISLANDS REG., INDONESIA
06	17	41	01.8&	59.888	N	152.252	W	62				3	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
06	17	45	27.8%	13.345	N	125.077	E	35	D		0.8	11	PHILIPPINE ISLANDS REGION
06	17	46	22.3*	13.390	N	125.203	E	39	D	4.9	1.1	37	PHILIPPINE ISLANDS REGION
06	18	26	49.8%	13.348	N	125.155	E	33	N		0.8	13	PHILIPPINE ISLANDS REGION
06	18	30	29.5%	12.830	N	57.468	E	10	G		0.9	10	ARABIAN SEA
06	19	01	25.6%	44.402	N	7.305	E	5	G		0.2	5	NORTHERN ITALY. ML 2.0 (LDG).
06	19	08	10.2*	14.106	N	119.224	E	32	D	4.1	0.6	14	LUZON, PHILIPPINE ISLANDS
06	19	23	33.4%	33.954	N	25.896	E	33	N		0.7	6	EASTERN MEDITERRANEAN SEA
06	19	45	06.0%	32.643	S	70.826	W	80	G		0.4	9	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
06	20	00	41.7&	61.517	N	152.116	W	5				6	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
06	20	29	06.2?	44.33	N	149.71	E	33	N	4.4	1.5	16	KURIL ISLANDS
06	20	30	33.1*	2.022	S	138.853	E	33	N		1.3	16	IRIAN JAYA, INDONESIA
06	20	40	28.2	35.713	N	74.615	E	82	*	4.7	1.0	34	NORTHWESTERN KASHMIR
06	21	40	57.1%	10.210	N	94.684	E	33	N		0.7	5	ANDAMAN ISLANDS, INDIA
06	21	46	40.2*	47.170	N	10.320	E	10	G		1.5	5	AUSTRIA
06	21	54	53.7	13.300	N	125.058	E	33	N	4.3	0.8	32	PHILIPPINE ISLANDS REGION
06	22	39	49.1%	45.029	N	6.636	E	5	G		0.6	13	FRANCE. ML 2.3 (LDG).
06	22	53	30.7%	5.342	S	145.469	E	33	N		1.3	5	EASTERN NEW GUINEA REG., P.N.G.
06	23	16	34.3*	36.503	N	71.642	E	150	G	3.8	1.3	13	AFGHANISTAN-TAJIKISTAN BORD REG.
06	23	21	22.0*	1.767	N	101.938	W	10	G	4.5	1.1	43	EAST CENTRAL PACIFIC OCEAN
07	00	56	45.9&	60.688	N	151.264	W	56				6	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC), 2.8 (PMR).
07	01	20	34.9?	32.14	S	70.37	W	120	G		0.2	7	CHILE-ARGENTINA BORDER REGION
07	01	53	39.6*	25.490	S	179.281	E	500	G		0.9	22	SOUTH OF FIJI ISLANDS
07	03	38	51.2%	33.568	S	71.177	W	60	G		0.4	9	NEAR COAST OF CENTRAL CHILE
07	03	53	16.4	47.204	N	10.436	E	10	G		1.4	35	AUSTRIA. ML 3.0 (GRF), 2.9 (LDG). Felt (III) at Imst.
07	04	41	31.4*	14.529	S	177.492	W	33	N	4.6 4.5	0.9	25	FIJI ISLANDS REGION
07	06	45	46.4*	7.009	S	155.371	E	33	N		0.8	19	SOLOMON ISLANDS
07	07	13	21.1*	32.583	N	141.442	E	33	N		0.8	9	SOUTH OF HONSHU, JAPAN
07	07	35	45.4%	7.466	N	127.333	E	33	N		0.5	7	PHILIPPINE ISLANDS REGION
07	07	50	54.4%	46.469	N	1.194	E	10	G		0.4	5	FRANCE. ML 2.0 (LDG).
07	09	32	49.8%	7.321	S	155.398	E	100	G		1.0	13	SOLOMON ISLANDS
07	09	37	31.6%	18.445	N	120.897	E	33	N		1.0	8	LUZON, PHILIPPINE ISLANDS
07	10	07	28.5?	26.18	S	70.99	E	10	G	4.3	0.7	8	SOUTH INDIAN OCEAN
07	10	21	36.7%	45.378	N	6.665	E	5	G		1.3	8	FRANCE. ML 2.3 (LDG).
07	10	45	51.5*	26.193	S	71.018	E	10	G	4.6	0.5	6	MID-INDIAN RIDGE
07	11	12	09.8*	26.100	S	71.025	E	10	G	4.8	1.3	11	MID-INDIAN RIDGE
07	11	20	54.0*	29.052	N	132.039	E	33	N		1.4	11	SOUTHEAST OF SHIKOKU, JAPAN
07	11	22	03.1	14.059	N	51.694	E	33	D	5.0 4.9	1.2	94	EASTERN GULF OF ADEN. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:22:06.3; Lat 14.43 N; Lon 51.72 E; Dep 15.0 Bdy; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.49, Plg=8, Azm=339; (N) Val=-0.11, Plg=81, Azm=134; (P) Val=-1.38, Plg=4, Azm=249; Best double couple:

Mo=1.4*10**17 Nm; NP1: Strike=24, Dip=81, Slip=177; NP2: Strike=114, Dip=87, Slip=9.

	11	38	17.6*	17.422	S	178.981	W	600	G		0.9	12	FIJI ISLANDS REGION
	11	43	50.6%	34.300	S	70.509	W	110	G		0.2	10	CHILE-ARGENTINA BORDER REGION
	11	44	02.3?	14.29	N	91.44	W	33	N	4.1	0.9	8	GUATEMALA
07	12	33	29.8	43.092	N	144.167	E	113	D	4.5	0.8	27	HOKKAIDO, JAPAN REGION
07	13	33	50.6&	32.158	N	115.802	W	6	G			2	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.9 (PAS). MD 3.4 (ECX).
07	14	04	09.9*	1.791	S	97.442	E	33	N	4.8	1.1	23	SOUTHWEST OF SUMATERA, INDONESIA
07	14	30	57.1	17.659	S	178.804	W	500	G	5.1	0.9	45	FIJI ISLANDS REGION
07	14	50	42.9%	18.560	N	121.225	E	33	N		0.8	6	LUZON, PHILIPPINE ISLANDS
07	15	28	21.9*	23.214	N	123.829	E	33	N		0.9	14	SOUTHWESTERN RYUKYU ISLANDS
07	15	49	26.7?	59.82	S	31.09	W	33	N		1.3	9	SCOTIA SEA
07	15	56	06.7?	10.03	N	121.38	E	33	N		0.8	6	PANAY, PHILIPPINE ISLANDS
07	16	26	08.9&	32.264	N	115.258	W	6	G			1	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.9 (PAS). MD 3.4 (ECX). Felt in the epicentral area.
07	17	48	22.2*	24.017	S	67.215	W	150	G	4.4	1.1	14	CHILE-ARGENTINA BORDER REGION
07	18	06	21.8*	5.399	S	147.388	E	200	G	4.2	1.2	12	EASTERN NEW GUINEA REG., P.N.G.
07	18	35	11.4&	31.935	N	115.789	W	6	G			21	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 2.9 (PAS). MD 3.2 (ECX).
07	18	42	38.1&	62.116	N	124.059	W	10	G	3.6		18	NORTHWEST TERRITORIES, CANADA. <PGC-P>. ML 4.0 (PGC).
07	18	46	19.0*	4.354	S	101.842	E	33	N	4.6 4.4	1.2	50	SOUTHERN SUMATERA, INDONESIA
07	19	39	58.7&	40.432	N	126.477	W	5	G	4.9 4.8		237	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. Mw 5.4 (HRV), 5.1 (BRK). MD 5.2 (GM). ML 5.0 (BRK). Centroid, Moment Tensor (HRV): Centroid origin time 19:40:03.7; Lat 40.43 N Fix; Lon 126.48 W Fix; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.31, Plg=10, Azm=229; (N) Val=-0.25, Plg=68, Azm=346; (P) Val=-1.06, Plg=19, Azm=136; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=274, Dip=69, Slip=-174; NP2: Strike=181, Dip=84, Slip=-21. Scalar Moment (BRK): Mo=5.0*10**16 Nm..
07	20	20	15.2*	4.272	N	96.161	E	103	D		0.9	9	NORTHERN SUMATERA, INDONESIA
07	20	29	48.2*	36.411	N	50.280	E	33	N	4.4	1.1	20	NORTHERN IRAN
07	21	36	02.1%	47.733	N	1.034	W	5	G		1.5	13	FRANCE. ML 2.3 (LDG).
07	21	39	06.6?	13.99	N	92.16	W	33	N	3.9	1.4	13	OFF COAST OF CHIAPAS, MEXICO
07	22	01	03.4*	40.188	N	51.319	E	33	N		1.0	12	CASPIAN SEA
07	22	18	27.3%	3.788	S	123.139	E	33	N		1.1	10	SULAWESI, INDONESIA
07	23	20	10.5&	31.880	N	115.778	W	6	G			24	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.2 (PAS). MD 3.7 (ECX). Felt in the epicentral area.
08	00	11	54.6*	30.366	N	67.854	E	33	N	4.1	1.0	10	PAKISTAN
08	01	05	03.1%	45.796	N	1.158	W	10	G		1.3	18	FRANCE. ML 3.0 (LDG).
08	01	29	41.8	18.881	N	69.606	W	98	D	3.9	0.8	22	DOMINICAN REPUBLIC REGION. MD 4.3 (MPR). Felt strongly at Santo Domingo.
	01	37	37.0	35.622	N	22.620	E	33	N	4.3	1.1	92	CENTRAL MEDITERRANEAN SEA
	02	35	27.8*	22.710	S	66.234	W	261	*		1.1	13	JUJUY PROVINCE, ARGENTINA
	03	46	36.3?	28.13	N	51.77	E	33	N	3.8	0.8	11	SOUTHERN IRAN
08	04	37	13.6*	47.730	S	31.962	E	10	G	4.6 4.5	0.8	18	SOUTH OF AFRICA
08	04	46	25.3?	32.51	S	71.67	W	20	G		0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
08	05	27	12.9%	38.379	N	134.934	E	406	*		0.9	12	SEA OF JAPAN
08	06	31	17.1&	60.016	N	153.362	W	129				12	SOUTHERN ALASKA. <AEIC>.
08	06	49	43.6?	4.82	N	124.85	E	145	D		1.2	9	CELEBES SEA
08	07	05	13.2	44.976	N	9.826	E	10	G		0.9	23	NORTHERN ITALY. ML 2.6 (LDG).
08	08	20	24.0*	19.873	S	177.662	W	424	*	4.3	1.0	20	FIJI ISLANDS REGION
08	08	21	59.9%	18.754	N	66.738	W	10	G		0.3	7	PUERTO RICO REGION. MD 3.1 (MPR).
08	09	13	15.6*	18.196	S	175.325	W	200	G		0.8	10	TONGA ISLANDS
08	09	22	02.5?	31.92	S	69.87	W	140	G		0.3	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.2 (SAN).
08	09	29	58.2&	59.370	N	153.106	W	88				26	SOUTHERN ALASKA. <AEIC>.
08	09	35	44.5%	35.345	N	138.988	E	33	N		0.9	8	EASTERN HONSHU, JAPAN
08	09	38	53.8?	14.98	S	174.32	W	33	N		0.9	9	SAMOA ISLANDS REGION
08	10	38	33.3&	59.141	N	153.553	W	112				27	SOUTHERN ALASKA. <AEIC>.
08	10	47	53.9*	55.147	S	128.655	W	10	G	4.4 5.0	1.2	23	PACIFIC-ANTARCTIC RIDGE. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:48:00.8; Lat 55.37 S; Lon 128.69 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.26, Plg=8, Azm=332; (N) Val=-0.14, Plg=78, Azm=105; (P) Val=-1.12, Plg=8, Azm=241; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=16, Dip=78, Slip=-180; NP2: Strike=286, Dip=90, Slip=-12.
08	12	12	27.9*	5.224	S	151.520	E	100	G		1.1	13	NEW BRITAIN REGION, P.N.G.
08	13	01	07.9?	31.36	S	69.47	W	200	G		0.3	9	SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (SAN).
08	13	06	20.9%	46.159	N	2.752	E	5	G		1.2	8	FRANCE. ML 2.3 (LDG).
08	13	38	16.2?	50.90	N	179.97	E	33	N		1.1	6	RAT ISLANDS, ALEUTIAN ISLANDS
08	13	51	47.9*	11.852	N	144.942	E	44	D		1.1	11	SOUTH OF MARIANA ISLANDS
08	13	58	33.8?	51.63	N	174.36	W	33	N		1.5	8	ANDREANOF ISLANDS, ALEUTIAN IS.
08	13	59	27.2*	23.990	S	179.529	E	500	G		1.0	13	SOUTH OF FIJI ISLANDS
08	16	31	29.7	51.642	N	16.173	E	5	G		0.9	12	POLAND
08	18	04	59.6	32.684	S	69.774	W	100	G	4.5	1.0	43	MENDOZA PROVINCE, ARGENTINA. MD 4.6 (SAN). Felt (II) at Santiago, Chile.
08	18	49	43.0*	38.209	N	89.861	E	33	N	4.2	1.2	15	SOUTHERN XINJIANG, CHINA
08	20	25	53.6	39.061	N	89.276	E	33	N	4.7	1.1	33	SOUTHERN XINJIANG, CHINA
08	20	46	16.7	28.300	N	130.320	E	45	D	4.8 4.4	1.3	44	RYUKYU ISLANDS
08	21	02	22.9?	6.00	S	103.08	W	10	G	4.7	1.1	20	CENTRAL EAST PACIFIC RISE
08	22	02	20.1?	34.50	S	70.37	W	5	G		0.5	9	CHILE-ARGENTINA BORDER REGION
08	22	16	10.4?	38.88	N	77.14	E	33	N	3.6	0.5	8	SOUTHERN XINJIANG, CHINA
08	23	34	20.1?	26.70	N	111.82	W	10	G		1.3	9	GULF OF CALIFORNIA
	23	51	04.3%	46.168	N	2.798	E	5	G		0.2	6	FRANCE
	00	02	05.4%	36.421	N	70.900	E	233	*		0.8	9	HINDU KUSH REGION, AFGHANISTAN
	01	21	31.7*	19.617	S	169.641	E	33	N	4.8 5.0	1.3	33	VANUATU ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:21:36.0; Lat 18.91 S; Lon 169.44 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.71, Plg=18, Azm=210; (N) Val=0.90, Plg=18, Azm=114; (P) Val=-7.61, Plg=64, Azm=342; Best double couple:

													Mo=7.2*10**16 Nm; NP1: Strike=327, Dip=31, Slip=-53; NP2: Strike=106, Dip=65, Slip=-110.
09	01	24	20.3*	20.197	S	178.930	W	600	G	4.4	0.9	33	FIJI ISLANDS REGION
09	01	43	29.6?	19.51	S	169.24	E	150	G	4.7	1.5	10	VANUATU ISLANDS
09	02	38	31.0*	6.383	S	39.350	E	10	G	4.4	0.5	15	TANZANIA
09	04	11	57.6	47.215	N	10.256	E	10	G		1.2	22	AUSTRIA. ML 2.7 (GRF), 2.7 (LDG).
09	04	44	22.6%	9.742	N	126.500	E	137	?		1.1	10	MINDANAO, PHILIPPINE ISLANDS
09	05	31	50.0&	62.148	N	124.027	W	10	G			13	NORTHWEST TERRITORIES, CANADA. <PGC-P>. ML 4.0 (PGC).
09	06	49	48.1?	18.03	N	67.17	W	10	G		0.7	4	MONA PASSAGE. MD 2.4 (MPR).
09	07	24	12.3	21.331	S	171.542	E	33	N	5.4 5.6	1.1	50	LOYALTY ISLANDS REGION. Mw 6.0 (HRV), 5.9 (GS). Moment Tensor (GS): Dep 16; Principal axes (scale 10**17 Nm): (T) Val=7.72, Plg=0, Azm=170; (N) Val=1.23, Plg=90, Azm=359; (P) Val=-8.95, Plg=0, Azm=260; Best double couple: Mo=8.3*10**17 Nm; NP1: Strike=305, Dip=90, Slip=0; NP2: Strike=215, Dip=90, Slip=180. Centroid, Moment Tensor (HRV): Centroid origin time 07:24:15.4; Lat 21.24 S Fix; Lon 171.60 E Fix; Dep 15.0 Bdy; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=1.04, Plg=9, Azm=350; (N) Val=-0.06, Plg=70, Azm=106; (P) Val=-0.99, Plg=18, Azm=257; Best double couple: Mo=1.0*10**18 Nm; NP1: Strike=35, Dip=71, Slip=-174; NP2: Strike=303, Dip=84, Slip=-19.
09	07	39	17.8*	43.451	S	75.633	W	33	N	4.5	0.9	12	OFF COAST OF SOUTHERN CHILE
09	07	44	15.1	17.964	S	177.992	W	550	G		1.0	15	FIJI ISLANDS REGION
09	07	45	26.8*	17.899	S	177.973	W	550	G	4.2	1.1	23	FIJI ISLANDS REGION
09	08	44	06.2	19.569	S	177.903	W	581	D	4.6	0.9	77	FIJI ISLANDS REGION
09	09	11	32.0&	60.153	N	140.663	W	10	G			4	SOUTHEASTERN ALASKA. <AEIC>. ML 3.1 (AEIC).
09	09	46	32.3%	27.306	N	140.079	E	369	*		0.6	9	BONIN ISLANDS REGION
09	09	48	29.9?	21.21	S	171.69	E	33	N	4.7	1.4	11	LOYALTY ISLANDS REGION
09	11	17	20.2	33.396	S	70.085	W	10	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
09	11	38	06.7	42.622	N	142.710	E	112	D	4.7	0.8	91	HOKKAIDO, JAPAN REGION
09	12	06	29.7?	21.33	S	171.33	E	33	N		1.5	10	LOYALTY ISLANDS REGION
09	12	38	51.1?	33.07	S	69.86	W	125	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
09	12	47	58.5*	24.646	S	179.622	E	500	G	3.7	0.9	17	SOUTH OF FIJI ISLANDS
09	14	10	54.2	38.567	N	16.208	E	10	G	4.2	1.0	27	SOUTHERN ITALY
09	14	20	06.3	5.831	S	71.781	W	603	D	4.7	0.8	105	WESTERN BRAZIL
09	14	45	28.5	31.889	S	71.634	W	62	D	4.9	0.8	55	NEAR COAST OF CENTRAL CHILE. Mw 5.2 (HRV). MD 5.0 (SAN). Felt (V) at Salamanca; (IV) at Illapel and Panquehue; (III) at Concon, La Ligua, Los Andes, Papudo, Quillota, Quintero, San Felipe, Santiago, Valparaiso, Ventanas, Vina del Mar and Zapallar. Centroid, Moment Tensor (HRV): Centroid origin time 14:45:29.6; Lat 32.08 S; Lon 71.83 W; Dep 67.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.96, Plg=29, Azm=123; (N) Val=-1.34, Plg=38, Azm=7; (P) Val=-5.62, Plg=38, Azm=239; Best double couple: Mo=6.3*10**16 Nm; NP1: Strike=266, Dip=39, Slip=-9; NP2: Strike=3, Dip=85, Slip=-129.
09	14	52	47.3	43.353	N	35.891	E	22	D	4.2	0.9	36	BLACK SEA
09	16	31	48.7?	27.42	S	178.60	W	154	D		0.9	13	KERMADEC ISLANDS REGION
09	16	54	59.8&	33.999	N	117.140	W	15				26	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.8 (GS).
09	17	32	11.8?	11.36	S	166.65	E	33	N		1.2	7	SANTA CRUZ ISLANDS
09	17	47	25.2&	33.259	N	116.034	W	3				25	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.8 (GS).
09	19	16	19.0	18.027	S	178.514	W	550	G	4.2	0.9	33	FIJI ISLANDS REGION
09	19	46	59.7%	18.385	N	145.348	E	449	?		0.9	10	MARIANA ISLANDS
09	20	56	27.6*	21.169	S	178.893	W	550	G		0.9	21	FIJI ISLANDS REGION
09	21	20	32.6%	43.946	N	128.451	W	10	G		0.4	40	OFF COAST OF OREGON
09	22	21	43.3%	46.031	N	0.248	W	10	G		1.2	8	FRANCE. ML 2.3 (LDG).
10	00	12	18.0*	13.459	S	166.674	E	33	N		1.1	22	VANUATU ISLANDS
10	00	25	20.8%	33.587	S	70.289	W	100	G		0.1	9	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
10	01	02	40.0&	35.984	N	117.671	W	2				34	CENTRAL CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.2 (GS).
10	01	41	14.5	4.173	S	102.568	E	33	N	4.9	1.0	73	SOUTHERN SUMATERA, INDONESIA
10	01	57	56.7*	52.286	N	157.192	E	115	?	4.4	1.1	31	KAMCHATKA
10	02	19	09.5?	14.09	S	175.56	W	33	N		1.2	15	SAMOA ISLANDS REGION
10	03	08	08.1*	47.022	N	152.422	E	92	?	4.3	1.1	40	KURIL ISLANDS
10	03	35	44.9?	11.17	N	87.35	W	33	N	4.2	1.2	14	NEAR COAST OF NICARAGUA
10	03	39	15.4*	4.622	S	153.911	E	234	?	4.5	1.0	33	NEW IRELAND REGION, P.N.G.
10	03	43	47.6*	20.895	S	68.755	W	162	*		0.8	8	CHILE-BOLIVIA BORDER REGION
10	03	58	11.6*	4.119	S	138.763	E	33	N	4.7 4.3	1.3	18	IRIAN JAYA, INDONESIA. Felt strongly at Wamena.
10	05	03	04.0*	29.203	N	142.107	E	33	N	3.7	1.0	16	SOUTH OF HONSHU, JAPAN
10	06	26	51.1*	55.171	N	162.076	E	33	N	3.6	0.6	13	NEAR EAST COAST OF KAMCHATKA
10	08	10	33.7*	19.171	S	169.662	E	300	G		0.9	11	VANUATU ISLANDS
10	08	12	03.2?	31.89	S	69.92	W	150	G		0.3	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
10	08	20	20.7*	51.532	N	175.699	W	33	N	3.5	1.3	11	ANDREANOF ISLANDS, ALEUTIAN IS.
10	08	23	56.7&	60.107	N	153.612	W	164				43	SOUTHERN ALASKA. <AEIC>.
10	09	21	45.4&	34.049	N	117.267	W	15				28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.0 (GS).
10	11	35	09.3*	21.767	S	170.726	E	127	D	4.8	1.1	21	LOYALTY ISLANDS REGION
10	12	04	34.3%	35.751	N	4.572	W	100	G		0.8	14	STRAIT OF GIBRALTAR
10	12	28	39.4%	5.304	S	145.417	E	46	?		0.7	10	EASTERN NEW GUINEA REG., P.N.G.
10	12	34	18.5&	61.471	N	151.514	W	73				71	SOUTHERN ALASKA. <AEIC>.
10	13	04	06.7?	49.80	S	117.79	E	10	G	4.0	1.3	14	SOUTH OF AUSTRALIA
10	13	04	56.2?	49.67	S	117.66	E	10	G	4.3	1.3	11	SOUTH OF AUSTRALIA
10	14	04	39.5	21.714	N	121.088	E	33	N		0.9	12	TAIWAN REGION
10	15	15	56.0*	6.444	S	149.325	E	65	?	4.8	0.8	20	NEW BRITAIN REGION, P.N.G.
10	15	40	07.7?	1.71	N	84.59	W	33	N	4.0	1.4	13	OFF COAST OF ECUADOR
10	15	54	48.7*	38.279	S	93.783	W	10	G	4.3	0.7	11	WEST CHILE RISE
10	16	42	01.4?	15.38	S	72.09	W	150	G	3.6	0.9	5	SOUTHERN PERU
10	16	47	49.0*	5.287	S	145.254	E	37	D		0.9	15	EASTERN NEW GUINEA REG., P.N.G.
10	17	06	46.8*	51.366	N	15.850	E	5	G		1.5	6	POLAND. ML 2.3 (CLL).
10	17	10	33.2	51.254	N	15.741	E	5	G		1.0	11	POLAND. ML 3.6 (VIE).
10	18	08	23.6&	52.777	N	116.170	W	0	G	3.7		36	ALBERTA, CANADA. <PGC-P>. ML 4.0 (PGC).
10	20	22	10.2*	36.131	N	139.896	E	61			1.0	11	EASTERN HONSHU, JAPAN
10	20	40	24.7&	34.406	N	118.446	W	5				26	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS). Felt.

10	21	53	55.0	35.815	S	108.135	W	10	G	5.8 6.1	1.0	225	SOUTHERN EAST PACIFIC RISE. Mw 6.5 (GS), 6.5 (HRV). Me 7.0 (GS). Ms 5.8 (BRK). Broadband Source Parameters (GS): Dep 7; NP1: Strike=75, Dip=85, Slip=180; NP2: Strike=345, Dip=90, Slip=-5; Radiated energy 6.8*10**14 Nm. Moment Tensor (GS): Dep 9; Principal axes (scale 10**18 Nm): (T) Val=6.93, Plg=2, Azm=30; (N) Val=0.14, Plg=85, Azm=272; (P) Val=-7.07, Plg=4, Azm=120; Best double couple: Mo=7.0*10**18 Nm; NP1: Strike=165, Dip=86, Slip=-1; NP2: Strike=255, Dip=89, Slip=-176. Centroid, Moment Tensor (HRV): Centroid origin time 21:54:02.8; Lat 35.92 S; Lon 107.96 W; Dep 15.0 Bdy; Half-duration 4.6 sec; Principal axes (scale 10**18 Nm): (T) Val=7.53, Plg=6, Azm=28; (N) Val=-0.37, Plg=82, Azm=165; (P) Val=-7.16, Plg=6, Azm=298; Best double couple: Mo=7.3*10**18 Nm; NP1: Strike=73, Dip=82, Slip=180; NP2: Strike=163, Dip=90, Slip=8. Scalar Moment (PPT): Mo=1.3*10**19 Nm.
10	22	20	27.0*	35.777	S	108.353	W	10	G		1.0	16	SOUTHERN EAST PACIFIC RISE
10	22	54	51.5*	36.766	N	68.297	E	33	N	3.6	1.2	11	HINDU KUSH REGION, AFGHANISTAN
10	22	58	38.6	6.934	S	125.454	E	567			0.6	31	BANDA SEA
10	23	01	22.1?	15.04	N	145.89	E	33	N	3.9	1.5	12	MARIANA ISLANDS
10	23	30	49.0?	34.37	S	70.46	W	10	G		0.5	5	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
11	00	00	59.6?	31.62	S	70.13	W	120	G		0.2	5	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
11	00	33	56.6*	51.384	N	15.766	E	5	G		1.2	16	POLAND. ML 4.1 (GRF), 4.0 (VIE).
11	00	58	12.7	19.200	S	68.817	W	134	D	4.7	1.0	44	CHILE-BOLIVIA BORDER REGION
11	01	15	23.0*	36.031	S	108.552	W	10	G	4.5	1.1	29	SOUTHERN EAST PACIFIC RISE
11	01	35	16.1	44.757	N	110.811	W	5	G		1.0	30	YELLOWSTONE REGION, WYOMING. ML 3.3 (GS), 3.9 (BUT). Felt.
11	01	45	45.2	3.209	N	126.956	E	24	D	4.4	0.6	21	TALAUD ISLANDS, INDONESIA
11	04	30	13.2*	44.166	S	78.055	W	33	N	4.3 3.9	1.4	10	OFF COAST OF SOUTHERN CHILE
11	04	41	45.7	33.929	N	138.865	E	5	G	4.8 4.7	0.9	61	SOUTH OF HONSHU, JAPAN
11	04	45	32.3	9.963	N	125.412	E	73	*	4.6	1.2	48	MINDANAO, PHILIPPINE ISLANDS
11	04	50	35.7	5.876	S	109.088	E	350	G	3.9	1.0	33	JAVA SEA
11	05	58	53.3?	51.52	N	179.13	W	33	N	3.5	1.4	6	ANDREANOF ISLANDS, ALEUTIAN IS.
11	05	59	48.8?	8.63	N	83.15	W	5	G		0.6	7	COSTA RICA
11	07	07	37.5	6.722	N	73.115	W	166	D	4.9	0.9	156	NORTHERN COLOMBIA. Felt throughout northern and central Colombia.
11	07	22	23.5&	9.061	N	82.513	W	10	G		0.5	6	PANAMA-COSTA RICA BORDER REGION
11	09	07	05.5?	18.38	N	68.02	W	100	G		0.2	6	MONA PASSAGE. MD 3.2 (MPR).
11	09	13	17.1&	48.300	N	1.673	E	10	G		1.0	10	FRANCE. ML 2.5 (LDG).
11	09	29	23.4	23.970	S	177.509	W	164	D	5.4	0.9	240	SOUTH OF FIJI ISLANDS. Mw 5.8 (GS), 5.8 (HRV). mb 5.5 (BRK). Moment Tensor (GS): Dep 157; Principal axes (scale 10**17 Nm): (T) Val=5.55, Plg=27, Azm=71; (N) Val=0.00, Plg=49, Azm=196; (P) Val=-5.56, Plg=28, Azm=324; Best double couple: Mo=5.6*10**17 Nm; NP1: Strike=108, Dip=49, Slip=-179; NP2: Strike=17, Dip=89, Slip=-41. Centroid, Moment Tensor (HRV): Centroid origin time 09:29:26.8; Lat 23.95 S; Lon 177.12 W; Dep 162.9; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=5.23, Plg=33, Azm=70; (N) Val=0.39, Plg=42, Azm=196; (P) Val=-5.62, Plg=30, Azm=318; Best double couple: Mo=5.4*10**17 Nm; NP1: Strike=102, Dip=42, Slip=177; NP2: Strike=194, Dip=88, Slip=48.
11	10	00	26.1&	64.240	N	146.871	W	16				31	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
11	10	32	51.0?	20.48	S	178.49	W	550	G		1.1	10	FIJI ISLANDS REGION
11	10	39	29.0*	17.497	S	167.894	E	33	N		1.1	8	VANUATU ISLANDS
11	11	16	28.1?	37.41	N	8.26	W	10	G		0.4	5	PORTUGAL. mbLg 3.1 (MDD).
11	11	53	32.7	17.814	S	178.836	W	573	D	4.9	0.8	271	FIJI ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:53:38.5; Lat 17.58 S; Lon 178.62 W; Dep 583.9; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.09, Plg=74, Azm=71; (N) Val=-0.46, Plg=12, Azm=290; (P) Val=-1.63, Plg=10, Azm=198; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=273, Dip=37, Slip=69; NP2: Strike=118, Dip=56, Slip=105.
11	12	03	33.1&	41.384	N	122.741	E	33	N		1.3	6	NORTHEASTERN CHINA
11	12	54	57.7	47.226	N	10.785	E	10	G		1.3	8	AUSTRIA. ML 2.1 (VIE).
11	13	50	30.3&	44.340	N	7.374	E	5	G		1.1	7	NORTHERN ITALY. ML 2.2 (LDG).
11	13	51	32.5*	36.598	N	71.407	E	213	*	3.4	0.9	11	AFGHANISTAN-TAJIKISTAN BORD REG.
11	14	57	32.6*	0.197	N	124.242	E	76	?	4.4	1.3	30	MINAHASSA PENINSULA, SULAWESI
11	15	06	06.5&	45.208	N	6.306	E	5	G		1.4	13	FRANCE. ML 2.5 (LDG).
11	15	26	38.5?	56.97	S	147.74	W	10	G	4.4	1.4	12	PACIFIC-ANTARCTIC RIDGE
11	16	16	23.7	5.369	N	82.530	W	10	G	4.6	1.2	51	SOUTH OF PANAMA
11	16	42	17.2?	7.10	S	106.79	E	50	G		0.9	7	JAWA, INDONESIA
11	18	05	31.8*	37.846	N	71.668	E	33	N		0.8	11	AFGHANISTAN-TAJIKISTAN BORD REG.
11	18	28	29.3&	44.868	N	7.107	E	5	G		0.4	9	NORTHERN ITALY. ML 2.2 (LDG).
11	19	11	01.6	6.730	N	72.995	W	164	D	4.9	0.9	205	NORTHERN COLOMBIA. Felt strongly by people in high-rise buildings at Bogota. Felt throughout Colombia.
11	19	12	28.6	2.882	N	97.329	E	57	D	5.2 5.0	0.9	153	NORTHERN SUMATERA, INDONESIA. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:12:31.4; Lat 3.04 N; Lon 97.12 E; Dep 61.4; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.50, Plg=32, Azm=45; (N) Val=-0.27, Plg=14, Azm=144; (P) Val=-2.23, Plg=54, Azm=255; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=95, Dip=19, Slip=-140; NP2: Strike=327, Dip=78, Slip=-76.
11	19	40	57.2	82.868	N	6.749	W	10	G	4.6	1.0	60	NORTH OF SVALBARD
11	20	06	34.4	37.912	N	24.417	E	33	N	4.0	1.2	30	SOUTHERN GREECE
11	20	22	27.2	36.442	N	71.181	E	241	D	4.0	0.9	45	AFGHANISTAN-TAJIKISTAN BORD REG.
11	20	42	35.8*	57.611	S	25.206	W	33	N	4.6	1.0	21	SOUTH SANDWICH ISLANDS REGION
11	20	44	09.7*	7.425	S	128.366	E	150	G	4.1	1.1	18	BANDA SEA
11	21	08	44.8&	58.990	N	152.274	W	78				60	KODIAK ISLAND REGION. <AEIC>.
11	21	46	36.8&	44.441	N	6.477	E	5	G		0.9	21	FRANCE. ML 2.1 (LDG).

11	22	16	09.8%	44.758	N	6.714	E	5	G			0.8	8	FRANCE. ML 1.6 (LDG).
11	23	50	36.9%	44.440	N	7.266	E	5	G			0.5	11	NORTHERN ITALY. ML 1.9 (LDG).
12	00	37	57.8	36.353	N	141.090	E	42	D	4.3		1.4	35	NEAR EAST COAST OF HONSHU, JAPAN
12	01	10	47.9%	30.219	N	67.942	E	33	N			0.7	11	PAKISTAN
12	04	03	17.8?	1.52	N	127.12	E	100	G	3.8		1.1	13	HALMAHERA, INDONESIA
12	04	36	21.0*	7.453	S	128.223	E	168	*	4.5		1.5	21	BANDA SEA
12	05	08	27.0*	9.752	S	31.646	E	10	G	4.6		1.1	14	LAKE TANGANYIKA REGION
12	05	26	13.6?	18.95	N	67.12	W	50	G			0.3	6	MONA PASSAGE. MD 3.3 (MPR).
12	06	24	05.4?	10.87	S	113.60	E	33	N	3.7		1.1	7	SOUTH OF JAWA, INDONESIA
12	06	33	12.9*	23.291	S	179.878	E	600	G	4.4		0.6	25	SOUTH OF FIJI ISLANDS
12	07	27	18.3*	55.794	S	27.005	W	100	G	4.4		1.0	12	SOUTH SANDWICH ISLANDS REGION
12	08	01	08.1?	18.34	S	177.90	W	500	G	4.2		0.4	10	FIJI ISLANDS REGION
12	08	05	27.3?	31.30	S	68.60	W	150	G			0.9	8	SAN JUAN PROVINCE, ARGENTINA. MD 3.4 (SAN).
12	10	11	22.3%	45.050	N	6.507	E	5	G			0.6	5	FRANCE. ML 1.8 (LDG).
12	10	50	55.9	21.131	S	176.696	W	209	D	4.5		0.9	59	FIJI ISLANDS REGION
12	11	31	32.6?	19.75	S	176.54	W	400	G	3.9		0.6	11	FIJI ISLANDS REGION
12	11	35	27.1?	2.55	N	78.02	W	138	?	3.8		0.9	17	NEAR WEST COAST OF COLOMBIA
12	11	52	02.4?	25.74	S	176.89	W	115	D	4.8		1.2	13	SOUTH OF FIJI ISLANDS
12	12	07	33.6	5.951	S	147.026	E	33	N	5.7	5.9	1.1	199	EASTERN NEW GUINEA REG., P.N.G. Mw 6.1 (HRV), 6.0 (GS). Me 5.7 (GS). Broadband Source Parameters (GS): Dep 32; NP1: Strike=290, Dip=50, Slip=105; NP2: Strike=87, Dip=42, Slip=73; Radiated energy 9.3*10**12 Nm. Moment Tensor (GS): Dep 31; Principal axes (scale 10**18 Nm): (T) Val=1.22, Plg=82, Azm=13; (N) Val=0.27, Plg=1, Azm=277; (P) Val=-1.49, Plg=8, Azm=187; Best double couple: Mo=1.3*10**18 Nm; NP1: Strike=276, Dip=37, Slip=89; NP2: Strike=98, Dip=53, Slip=91. Centroid, Moment Tensor (HRV): Centroid origin time 12:07:42.3; Lat 6.07 S; Lon 147.17 E; Dep 39.0 Bdy; Half-duration 2.8 sec; Principal axes (scale 10**18 Nm): (T) Val=1.57, Plg=78, Azm=320; (N) Val=0.09, Plg=10, Azm=106; (P) Val=-1.66, Plg=6, Azm=197; Best double couple: Mo=1.6*10**18 Nm; NP1: Strike=297, Dip=39, Slip=105; NP2: Strike=98, Dip=52, Slip=78.
12	13	10	15.6	2.918	S	129.602	E	33	N	4.4		1.0	24	SERAM, INDONESIA
12	13	39	46.4*	3.515	S	131.181	E	33	N	3.9		1.4	10	IRIAN JAYA REGION, INDONESIA
12	14	16	41.4*	12.751	N	48.338	E	10	G	4.4		1.0	14	EASTERN GULF OF ADEN
12	14	28	23.8?	12.70	N	48.29	E	10	G			1.0	11	EASTERN GULF OF ADEN
12	15	22	14.3*	43.171	N	12.097	E	5	G			1.4	13	CENTRAL ITALY. ML 3.0 (VIE).
12	15	28	52.1&	48.265	N	122.165	W	16					26	WASHINGTON. <SEA-P>. MD 2.7 (SEA).
12	15	44	09.9&	60.379	N	153.449	W	155					70	SOUTHERN ALASKA. <AEIC>.
12	15	44	51.3%	44.382	N	7.312	E	5	G			0.5	6	NORTHERN ITALY. ML 1.8 (LDG).
12	17	56	28.1*	54.205	N	160.704	E	100	G			0.8	13	NEAR EAST COAST OF KAMCHATKA
12	17	57	43.8%	6.031	S	146.777	E	50	G			0.4	6	EASTERN NEW GUINEA REG., P.N.G.
12	19	03	41.4*	21.796	S	68.633	W	123	*	3.9		1.1	18	CHILE-BOLIVIA BORDER REGION
12	19	21	31.4&	63.085	N	150.943	W	128					60	CENTRAL ALASKA. <AEIC>.
12	19	58	08.0*	3.015	S	139.182	E	33	N	4.3		1.0	15	IRIAN JAYA, INDONESIA
12	20	47	27.4	47.246	N	10.813	E	10	G			1.2	9	AUSTRIA. ML 1.9 (VIE).
12	21	18	01.9	2.973	S	139.081	E	33	N	4.4		1.0	20	NEAR NORTH COAST OF IRIAN JAYA
12	21	40	05.9?	6.28	N	125.08	E	33	N	4.5		1.0	14	MINDANAO, PHILIPPINE ISLANDS
12	22	13	25.3*	29.142	S	75.005	E	10	G			1.2	13	MID-INDIAN RIDGE
12	23	50	42.1*	51.026	N	173.371	E	33	N	4.5		1.2	51	NEAR ISLANDS, ALEUTIAN ISLANDS
12	23	57	37.9*	32.899	S	68.008	W	10	G			1.0	15	MENDOZA PROVINCE, ARGENTINA. MD 4.4 (SAN).
13	00	13	20.6	43.022	N	0.177	E	10	G			1.0	16	FRANCE. mbLg 3.1 (MDD). ML 2.9 (LDG). Felt (I) at Cauterets.
13	00	17	57.8%	41.224	N	7.525	W	10	G			0.8	7	PORTUGAL. mbLg 3.2 (MDD).
13	01	11	19.2*	17.008	S	72.628	W	64	?	4.3		1.1	19	NEAR COAST OF PERU
13	01	23	20.8?	29.91	S	176.54	W	41	D	4.2		1.2	12	KERMADEC ISLANDS REGION
13	01	44	35.0%	45.469	N	6.805	E	5	G			0.8	5	FRANCE. ML 1.7 (LDG).
13	03	57	07.8*	50.879	N	175.083	E	33	N	3.5		1.2	10	RAT ISLANDS, ALEUTIAN ISLANDS
13	04	53	54.9*	38.854	N	75.440	E	33	N	4.0		0.7	11	SOUTHERN XINJIANG, CHINA
13	04	57	57.9	5.534	S	149.380	E	133	D	4.6		1.0	31	NEW BRITAIN REGION, P.N.G.
13	06	42	56.0	21.990	S	179.639	W	581		4.7		0.9	68	FIJI ISLANDS REGION
13	08	00	11.2*	52.951	N	142.553	E	100	G	3.6		1.2	10	SAKHALIN ISLAND
13	08	07	11.5*	53.134	S	9.372	E	10	G	5.0	4.4	1.2	20	SOUTHWEST OF AFRICA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:07:18.9; Lat 52.97 S; Lon 10.24 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.16, Plg=20, Azm=358; (N) Val=-0.77, Plg=61, Azm=226; (P) Val=-5.40, Plg=20, Azm=95; Best double couple: Mo=5.8*10**16 Nm; NP1: Strike=136, Dip=61, Slip=0; NP2: Strike=46, Dip=90, Slip=151.
13	08	49	03.1?	7.02	N	73.40	W	150	G	3.8		1.5	12	NORTHERN COLOMBIA
13	09	17	27.7	24.243	S	67.019	W	178	*	4.6		0.9	17	CHILE-ARGENTINA BORDER REGION
13	09	22	07.2*	28.446	S	70.027	W	96	D	4.5		1.4	21	CENTRAL CHILE
13	09	23	59.7%	45.019	N	28.887	E	5	G			1.0	5	UKRAINE-MOLDOVA-SW RUSSIA REGION
13	10	32	12.5%	45.431	N	150.773	E	33	N			1.1	8	KURIL ISLANDS
13	11	11	42.7?	34.81	S	54.67	E	10	G			0.1	5	SOUTHWEST INDIAN RIDGE
13	11	16	18.7&	32.606	N	115.868	W	14					22	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.4 (PAS) MD 3.3 (ECX).
13	11	23	54.4*	34.945	N	141.400	E	33	N	3.9		0.3	8	OFF EAST COAST OF HONSHU, JAPAN
13	11	45	56.5*	51.117	N	15.821	E	5	G			1.3	5	POLAND
13	12	50	23.9*	4.595	S	144.615	E	33	N	3.0		1.1	6	NEAR N COAST OF NEW GUINEA, PNG.
13	13	06	24.1&	54.448	N	161.487	W	0					12	ALASKA PENINSULA. <AEIC>. ML 3.2 (AEIC).
13	13	22	05.9	51.673	N	16.171	E	5	G			0.6	21	POLAND. ML 3.9 (GRF), 3.5 (VIE).
13	13	44	37.3&	49.241	N	123.618	W	4					23	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.4 (PGC). Felt throughout the Vancouver area and along the coast north of Vancouver. Also felt in the southeastern part of Vancouver Island from Nanaimo to Victoria.
13	15	49	23.5*	39.776	N	142.184	E	68	*			0.6	10	NEAR EAST COAST OF HONSHU, JAPAN
13	17	54	14.8	33.290	N	142.277	E	42	D	4.8		1.0	44	OFF EAST COAST OF HONSHU, JAPAN
13	18	50	54.1	38.821	N	7.426	W	10	G			1.3	20	PORTUGAL. mbLg 3.2 (MDD). Felt (III) in the Redondo area.
13	19	14	56.1&	36.647	N	121.261	W	4					11	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM).

13	19	17	22.1*	36.400	N	71.233	E	100	G	3.8	1.0	13	AFGHANISTAN-TAJIKISTAN BORD REG.
13	19	29	42.7*	7.317	N	127.691	E	33	N	4.2	0.4	6	PHILIPPINE ISLANDS REGION
13	19	48	02.5%	42.656	N	0.087	E	10	G		1.0	5	PYRENEES. ML 2.3 (LDG).
13	21	10	21.4*	44.366	N	40.389	E	33	N	3.6	0.9	7	NORTHWESTERN CAUCASUS
13	21	23	26.0?	5.50	S	149.36	E	33	N	4.0	0.9	5	NEW BRITAIN REGION, P.N.G.
13	21	42	27.8*	52.484	N	31.971	W	10	G	3.4	1.1	8	NORTHERN MID-ATLANTIC RIDGE
13	21	58	39.2?	32.88	S	71.44	W	50	G		0.3	8	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
13	22	21	20.2%	38.652	N	7.085	W	10	G		0.7	5	PORTUGAL. mbLg 3.0 (MDD).
13	22	30	25.6%	45.694	N	26.654	E	100	G		0.8	7	ROMANIA
13	23	20	44.5	29.719	N	68.577	E	33	N	4.7 3.9	1.0	90	PAKISTAN
14	00	59	02.6	0.743	N	99.039	E	68	D	4.9	0.9	74	NORTHERN SUMATERA, INDONESIA
14	01	12	39.1%	44.993	N	152.670	E	33	N		0.9	11	EAST OF KURIL ISLANDS
14	03	56	52.3*	20.253	S	70.129	W	100	G		0.9	6	NEAR COAST OF NORTHERN CHILE
14	04	04	50.5	36.708	N	75.880	E	75	*	4.6	1.0	77	KASHMIR-XINJIANG BORDER REGION
14	04	33	04.2*	35.889	N	70.913	E	100	G	4.0	0.6	9	HINDU KUSH REGION, AFGHANISTAN
14	07	20	00.7?	51.33	N	179.99	W	33	N	4.0	1.4	7	ANDREANOF ISLANDS, ALEUTIAN IS.
14	07	26	51.2?	6.44	S	129.85	E	150	G	4.0	1.1	5	BANDA SEA
14	08	49	49.1*	0.840	N	26.235	W	10	G	4.5 3.9	1.6	15	CENTRAL MID-ATLANTIC RIDGE
14	09	10	37.9*	20.701	N	121.466	E	100	G	4.0	0.9	11	PHILIPPINE ISLANDS REGION
14	09	32	56.7*	51.362	N	179.691	E	62	*	4.2	0.8	10	RAT ISLANDS, ALEUTIAN ISLANDS
14	09	47	28.6	14.465	N	146.402	E	33	N	3.5	0.9	11	MARIANA ISLANDS
14	10	08	06.3*	50.204	S	114.564	E	10	G	4.5	0.9	14	SOUTH OF AUSTRALIA
14	10	20	03.0	54.863	N	160.885	E	116	D	4.0	0.9	25	NEAR EAST COAST OF KAMCHATKA
14	11	37	46.2*	35.077	N	139.914	E	98	*		0.8	10	NEAR S. COAST OF HONSHU, JAPAN
14	12	17	01.4?	34.21	S	70.42	W	120	G		0.1	8	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
14	12	40	17.7%	35.357	N	3.385	W	10	G		0.8	12	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
14	12	40	58.0*	36.523	N	69.828	E	263	*		0.9	12	HINDU KUSH REGION, AFGHANISTAN
14	13	22	38.9?	0.92	N	25.42	W	10	G	4.4	1.3	5	CENTRAL MID-ATLANTIC RIDGE
14	13	34	23.8*	35.162	N	82.499	W	5	G		1.0	5	NORTH CAROLINA. mbLg 2.5 (GS).
14	14	11	47.7%	45.493	N	26.639	E	100	G		0.9	7	ROMANIA
14	15	15	01.3%	45.877	N	6.212	E	5	G		1.3	7	FRANCE. ML 2.2 (LDG).
14	15	56	41.9*	24.114	S	179.574	E	600	G	4.4	0.7	18	SOUTH OF FIJI ISLANDS
14	16	23	02.4&	34.276	N	118.484	W	10				24	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt in the San Fernando Valley.
14	16	53	25.6?	65.19	N	163.57	W	33	N		0.0	4	NORTHERN ALASKA
14	18	16	48.1%	43.977	N	7.373	E	5	G		0.3	5	NEAR SOUTH COAST OF FRANCE
14	18	58	59.4%	33.757	S	70.266	W	120	G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
14	19	25	26.5*	23.907	N	121.783	E	100	G	3.8	0.8	10	TAIWAN
14	19	26	57.9	51.683	N	16.249	E	5	G		0.5	10	POLAND. ML 3.5 (VIE).
14	19	48	19.8	36.639	N	115.823	W	5	G		1.4	24	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (GS).
14	20	18	07.5&	48.124	N	121.591	W	8				12	WASHINGTON. <SEA-P>. MD 2.7 (SEA). Felt in the Darrington area.
14	20	37	46.5*	37.276	N	135.006	E	400	G		0.7	8	SEA OF JAPAN
14	20	59	10.4*	18.986	S	177.539	W	500	G	4.1	0.9	16	FIJI ISLANDS REGION
14	21	18	49.9*	2.329	N	127.137	E	33	N	4.2	0.8	7	NORTHERN MOLUCCA SEA
14	22	02	58.6	44.358	N	7.224	E	5	G		0.3	11	NORTHERN ITALY. ML 1.9 (LDG).
14	22	19	47.6?	49.90	N	179.82	W	33	N	3.6	1.4	6	SOUTH OF ALEUTIAN ISLANDS
14	22	43	55.0*	17.559	S	70.783	W	82	*	4.4	1.1	32	NEAR COAST OF PERU. Felt (II) at Arequipa.
14	23	01	38.3	43.199	N	0.840	W	10	G		1.3	11	PYRENEES. mbLg 2.9 (MDD). ML 2.8 (LDG).
15	00	34	47.7*	24.146	S	66.847	W	185	*	4.5	1.2	47	SALTA PROVINCE, ARGENTINA
15	00	45	30.9	20.317	S	177.867	W	502	D	4.8	0.9	131	FIJI ISLANDS REGION
15	01	01	14.6%	45.720	N	7.218	E	5	G		0.4	5	NORTHERN ITALY. ML 1.9 (LDG).
15	01	32	41.9?	44.13	N	147.33	E	33	N	3.7	1.1	9	KURIL ISLANDS
15	01	32	48.3*	32.940	S	178.791	W	100	G	4.8	1.0	20	SOUTH OF KERMADEC ISLANDS
15	01	48	50.9	44.734	N	110.851	W	5	G		0.8	20	YELLOWSTONE REGION, WYOMING. ML 3.0 (GS). Felt.
15	02	50	24.6	44.736	N	110.859	W	5	G		0.9	44	YELLOWSTONE REGION, WYOMING. ML 3.9 (BUT), 3.8 (GS). Felt at Old Faithful.
15	03	24	12.5	44.735	N	110.840	W	5	G		0.9	17	YELLOWSTONE REGION, WYOMING. ML 3.1 (BUT).
15	04	15	52.0?	32.29	S	69.42	W	170	G		0.3	11	MENDOZA PROVINCE, ARGENTINA. MD 3.9 (SAN).
15	04	54	15.6	43.062	N	144.087	E	97	D	5.3	0.7	310	HOKKAIDO, JAPAN REGION. Mw 5.3 (HRV). Felt (III) at Yuzhno-Kurilsk, Kunashir. Centroid, Moment Tensor (HRV): Centroid origin time 04:54:18.9; Lat 43.10 N; Lon 143.67 E; Dep 98.7; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.02, Plg=40, Azm=0; (N) Val=-0.18, Plg=25, Azm=113; (P) Val=-0.84, Plg=40, Azm=226; Best double couple: Mo=9.3*10**16 Nm; NP1: Strike=23, Dip=25, Slip=-180; NP2: Strike=293, Dip=90, Slip=-65.
15	05	03	55.8	44.726	N	110.856	W	5	G		0.8	14	YELLOWSTONE REGION, WYOMING. ML 3.0 (BUT).
15	05	05	45.2	10.863	N	62.560	W	86	D	4.3	0.7	38	NEAR COAST OF VENEZUELA
15	05	38	04.6*	12.914	S	73.901	W	33	N		0.7	7	CENTRAL PERU
15	06	26	09.2?	11.67	S	66.36	E	10	G		1.3	11	MID-INDIAN RIDGE
15	07	05	35.5*	55.914	S	27.064	W	100	G	4.5	0.6	15	SOUTH SANDWICH ISLANDS REGION
15	08	07	12.7?	56.31	S	129.55	W	10	G	4.4	0.3	7	PACIFIC-ANTARCTIC RIDGE
15	08	14	55.9?	17.45	S	179.96	W	600	G	4.3	0.8	14	FIJI ISLANDS REGION
15	08	18	18.1?	18.49	N	66.04	W	60	G		0.4	7	PUERTO RICO REGION. MD 3.1 (MPR).
15	08	52	50.7*	17.986	S	178.361	W	550	G	3.9	0.9	14	FIJI ISLANDS REGION
15	08	58	32.6?	4.53	S	151.15	E	150	G	4.0	0.9	9	NEW BRITAIN REGION, P.N.G.
15	09	22	33.3?	34.64	S	71.18	W	80	G		0.2	11	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
15	09	31	35.6*	56.419	S	26.945	W	33	N	4.6	1.4	23	SOUTH SANDWICH ISLANDS REGION
15	09	32	00.4*	2.859	S	128.899	E	67	*	4.1	0.6	11	CERAM SEA
15	10	32	56.7*	47.043	N	151.643	E	100	G	3.4	0.4	8	KURIL ISLANDS
15	11	25	33.6?	22.53	S	169.48	E	33	N		1.1	11	LOYALTY ISLANDS REGION
15	11	32	28.7	32.574	S	68.730	W	132		3.7	0.8	20	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (SAN).
15	11	46	41.4?	52.66	N	173.37	W	100	G		1.1	5	ANDREANOF ISLANDS, ALEUTIAN IS.
15	12	23	09.6?	9.96	S	121.02	E	33	N	3.5	1.0	10	SAVU SEA
15	12	35	48.7%	33.199	S	71.562	W	50	G		0.3	11	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
15	13	01	10.8	56.845	S	24.962	W	33	N	5.0 4.9	1.1	67	SOUTH SANDWICH ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:01:14.5; Lat 57.24 S; Lon 24.83 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.42, Plg=65, Azm=229; (N) Val=0.08, Plg=9, Azm=340; (P) Val=-1.50, Plg=23, Azm=74; Best double couple:

													Mo=1.5*10**17 Nm; NP1: Strike=182, Dip=24, Slip=114; NP2: Strike=336, Dip=68, Slip=80.
15	13	40	36.1	6.288	S	154.885	E	55	D	5.0	0.9	82	SOLOMON ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:40:40.2; Lat 6.62 S; Lon 154.94 E; Dep 72.7; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.86, Plg=70, Azm=112; (N) Val=0.17, Plg=20, Azm=292; (P) Val=-1.03, Plg=0, Azm=22; Best double couple: Mo=9.4*10**16 Nm; NP1: Strike=131, Dip=48, Slip=117; NP2: Strike=274, Dip=48, Slip=63.
15	13	47	33.9?	31.77	S	70.08	W	140	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
15	14	35	42.8*	3.214	S	134.764	E	33	N	3.9	0.8	11	IRIAN JAYA REGION, INDONESIA
15	14	59	57.7?	24.95	S	179.64	E	600	G	4.2	0.9	11	SOUTH OF FIJI ISLANDS
15	15	11	57.4?	32.34	S	71.76	W	5	G		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
15	15	32	51.2&	60.489	N	147.369	W	10	G	3.3		65	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.3 (PMR).
15	16	09	19.7*	6.226	S	154.815	E	91	*	4.4	0.8	13	SOLOMON ISLANDS
15	16	28	27.3%	33.748	S	71.540	W	33	N		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
15	17	06	18.8	7.146	S	155.674	E	33	N	5.0 5.2	0.9	109	SOLOMON ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:06:23.1; Lat 7.46 S; Lon 155.58 E; Dep 33.5; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=1.98, Plg=75, Azm=13; (N) Val=0.15, Plg=4, Azm=120; (P) Val=-2.13, Plg=14, Azm=211; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=307, Dip=31, Slip=98; NP2: Strike=117, Dip=59, Slip=85.
15	17	27	09.5?	25.61	S	176.51	W	33	N	4.4	1.6	22	SOUTH OF FIJI ISLANDS
15	17	51	13.1	7.169	S	155.574	E	33	N	4.7	1.0	61	SOLOMON ISLANDS
15	18	24	33.3*	32.928	S	70.265	W	100	G		0.3	11	CHILE-ARGENTINA BORDER REGION
15	19	07	30.6	11.461	S	66.346	E	10	G	4.9	0.8	70	MID-INDIAN RIDGE. Mw 4.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:07:36.6; Lat 11.46 S Fix; Lon 66.35 E Fix; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=2.43, Plg=0, Azm=207; (N) Val=-0.70, Plg=0, Azm=117; (P) Val=-1.72, Plg=90, Azm=180; Best double couple: Mo=2.1*10**16 Nm; NP1: Strike=297, Dip=45, Slip=-90; NP2: Strike=117, Dip=45, Slip=-90.
15	19	24	14.8%	37.119	N	3.992	W	5	G		0.6	14	SPAIN. mbLg 3.0 (MDD).
15	20	07	21.5*	13.145	S	165.638	E	33	N	4.2	1.2	14	VANUATU ISLANDS
15	20	37	16.2*	64.949	N	163.968	W	10	G		1.4	5	NORTHERN ALASKA. ML 3.2 (PMR).
15	21	01	46.4&	59.886	N	152.043	W	61				56	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
15	21	08	30.1?	34.50	S	70.39	W	5	G		0.4	8	CHILE-ARGENTINA BORDER REGION
15	21	32	21.4*	30.374	N	140.795	E	98	D		1.1	15	SOUTH OF HONSHU, JAPAN
15	21	51	09.9?	7.45	S	156.40	E	33	N	4.5	1.8	7	SOLOMON ISLANDS
15	22	40	40.7%	44.207	N	10.637	E	5	G		1.1	13	NORTHERN ITALY. ML 2.5 (LDG).
15	23	14	38.5*	5.396	S	152.268	E	33	N	4.4	1.4	16	NEW BRITAIN REGION, P.N.G.
15	23	18	35.0	17.739	S	178.910	W	585		4.6	0.9	54	FIJI ISLANDS REGION
15	23	33	12.0*	15.656	S	167.303	E	33	N	4.3	1.6	28	VANUATU ISLANDS
16	00	42	40.9?	22.96	S	170.72	E	33	N		0.9	8	LOYALTY ISLANDS REGION
16	01	52	28.1&	62.562	N	151.267	W	96				89	CENTRAL ALASKA. <AEIC>.
16	02	33	06.9	44.733	N	110.863	W	5	G		0.9	42	YELLOWSTONE REGION, WYOMING. ML 4.3 (BUT), 3.9 (GS). Felt.
16	03	00	04.4	33.140	N	60.152	E	10	G	5.0	0.9	163	NORTHERN IRAN. Mw 5.0 (HRV). Some houses destroyed in the Birjand-Qayen area. Centroid, Moment Tensor (HRV): Centroid origin time 03:00:09.0; Lat 33.29 N; Lon 60.07 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.63, Plg=62, Azm=153; (N) Val=1.11, Plg=23, Azm=296; (P) Val=-4.74, Plg=15, Azm=33; Best double couple: Mo=4.2*10**16 Nm; NP1: Strike=151, Dip=36, Slip=131; NP2: Strike=284, Dip=64, Slip=64.
16	03	05	12.8&	57.938	N	156.853	W	161		3.0		38	ALASKA PENINSULA. <AEIC>.
16	03	29	04.3?	31.24	S	69.14	W	200	G		0.4	9	SAN JUAN PROVINCE, ARGENTINA. MD 3.3 (SAN).
16	05	43	16.6*	40.098	N	76.967	W	5	G		1.0	8	PENNSYLVANIA. mbLg 1.9 (GS). MD 2.2 (NED). Felt (IV) in the Franklintown area and (III) at Dillsburg.
16	07	03	59.3	5.341	S	146.956	E	230	*	4.9	1.0	34	EASTERN NEW GUINEA REG., P.N.G.
16	08	02	17.0	3.377	S	134.733	E	33	N	4.9 4.7	1.3	53	IRIAN JAYA REGION, INDONESIA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:02:18.1; Lat 3.17 S; Lon 134.39 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.23, Plg=27, Azm=97; (N) Val=-0.22, Plg=10, Azm=2; (P) Val=-6.02, Plg=61, Azm=254; Best double couple: Mo=6.1*10**16 Nm; NP1: Strike=211, Dip=20, Slip=-60; NP2: Strike=359, Dip=73, Slip=-100.
16	08	45	00.7*	33.743	N	137.058	E	355		4.0	1.1	30	NEAR S. COAST OF HONSHU, JAPAN
16	09	07	01.5	7.198	S	155.707	E	70	G	4.4	1.3	33	SOLOMON ISLANDS
16	09	21	08.7%	0.521	N	98.693	E	33	N		0.9	10	NORTHERN SUMATERA, INDONESIA
16	09	25	22.3	1.292	S	77.694	W	187	D	4.5	0.8	133	ECUADOR
16	10	04	45.5%	45.891	N	2.580	E	5	G		0.6	7	FRANCE. ML 2.2 (LDG).
16	10	17	04.8*	57.327	S	25.234	W	33	N	4.8	1.1	21	SOUTH SANDWICH ISLANDS REGION
16	10	27	47.1*	9.354	S	118.027	E	102	?	4.7	1.0	14	SUMBAWA REGION, INDONESIA
16	10	58	20.5*	41.075	N	20.353	E	10	G		0.8	11	ALBANIA
16	11	38	33.0*	29.996	N	130.941	E	33	N	4.3	1.3	19	RYUKYU ISLANDS
16	11	56	19.3*	3.353	S	134.634	E	33	N	4.1	1.0	12	IRIAN JAYA REGION, INDONESIA
16	12	05	54.3&	60.490	N	147.350	W	15				66	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.5 (PMR).
16	12	45	48.7	23.598	S	178.044	W	400	G	4.6	0.6	42	SOUTH OF FIJI ISLANDS
16	12	47	55.6?	45.19	N	8.07	E	5	G		0.8	7	NORTHERN ITALY. ML 2.5 (LDG).
16	13	00	44.2?	32.65	S	71.87	W	10	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
16	13	02	35.5%	37.111	N	4.280	W	10	G		1.0	14	SPAIN. mbLg 3.2 (MDD).
16	13	09	47.4&	60.487	N	147.321	W	19				43	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
16	13	48	43.7%	44.446	N	7.515	E	5	G		0.6	8	NORTHERN ITALY. ML 2.3 (LDG).
16	13	59	11.5?	32.66	S	71.79	W	20	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).
16	14	09	08.6*	35.442	N	78.402	E	33	N	3.6	1.1	12	EASTERN KASHMIR
16	14	24	27.1&	53.216	N	167.184	W	16				10	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.4 (AEIC).
16	14	38	29.0*	45.978	N	12.001	E	10	G		1.4	8	NORTHERN ITALY. ML 2.8 (VIE).

16	14	59	37.3*	43.425	N	146.728	E	33	N		1.3	20	KURIL ISLANDS
16	15	00	43.8*	37.665	N	29.268	E	33	N		0.9	10	TURKEY
16	15	40	22.7*	32.905	S	178.542	W	33	N	4.8 5.1	1.3	25	SOUTH OF KERMADEC ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:40:25.8; Lat 32.96 S; Lon 177.88 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.72, Plg=68, Azm=262; (N) Val=1.67, Plg=8, Azm=14; (P) Val=-5.39, Plg=20, Azm=107; Best double couple: Mo=4.6*10**16 Nm; NP1: Strike=211, Dip=26, Slip=109; NP2: Strike=10, Dip=66, Slip=81.
16	15	42	05.3*	8.095	S	118.510	E	150	G	4.5	1.3	20	SUMBAWA REGION, INDONESIA
16	15	42	08.7	8.056	N	82.961	W	15		4.6	1.0	42	PANAMA-COSTA RICA BORDER REGION
16	15	44	04.4?	33.59	S	178.32	W	33	N		1.0	8	SOUTH OF KERMADEC ISLANDS
16	16	50	50.1?	33.18	S	178.40	W	33	N	4.7	1.5	20	SOUTH OF KERMADEC ISLANDS
16	19	17	07.4*	51.506	N	16.136	E	5	G		0.6	8	POLAND. ML 3.2 (VIE).
16	19	21	32.2?	20.88	S	169.45	E	33	N	4.0	1.5	8	VANUATU ISLANDS
16	19	33	19.8*	5.221	S	146.995	E	150	G	4.2	1.2	14	EASTERN NEW GUINEA REG., P.N.G.
16	20	14	53.1?	31.69	S	70.00	W	125	G		0.2	8	SAN JUAN PROVINCE, ARGENTINA
16	22	43	51.0	40.486	N	134.653	W	10	G	5.0 4.4	0.9	156	NORTH PACIFIC OCEAN. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:43:56.6; Lat 40.91 N; Lon 134.86 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.47, Plg=13, Azm=158; (N) Val=-0.63, Plg=7, Azm=249; (P) Val=-5.84, Plg=75, Azm=8; Best double couple: Mo=6.2*10**16 Nm; NP1: Strike=238, Dip=33, Slip=-103; NP2: Strike=74, Dip=58, Slip=-82.
16	22	53	18.3?	18.01	S	177.66	W	500	G	4.5	1.0	6	FIJI ISLANDS REGION
16	22	57	32.4	48.096	S	125.302	E	10	G	4.7	1.1	43	SOUTH OF AUSTRALIA
16	23	08	56.9*	1.104	S	24.329	W	10	G	4.5	1.1	13	CENTRAL MID-ATLANTIC RIDGE
16	23	16	54.0*	2.317	N	31.369	E	10	G	4.5	1.2	44	UGANDA
17	00	48	49.6&	54.937	N	161.554	W	62				9	ALASKA PENINSULA. <AEIC>. ML 2.6 (AEIC).
17	01	19	35.6&	61.180	N	147.687	W	19				60	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.0 (PMR).
17	01	34	20.0*	17.538	N	65.466	W	50	D		1.1	13	PUERTO RICO REGION. MD 3.8 (MPR).
17	02	27	52.4*	42.926	N	12.599	E	5	G		1.4	26	CENTRAL ITALY. ML 3.2 (VIE), 2.9 (LDG).
17	03	23	07.6?	56.73	S	24.78	W	33	N		0.9	10	SOUTH SANDWICH ISLANDS REGION
17	04	06	00.8?	19.21	N	143.42	E	33	N	4.1	1.5	7	MARIANA ISLANDS REGION
17	04	16	21.8*	51.107	N	15.896	E	5	G		1.0	6	POLAND
17	04	18	34.3	12.432	N	143.380	E	33	N	4.6	1.2	24	SOUTH OF MARIANA ISLANDS
17	04	59	27.8*	33.122	S	178.477	W	33	N	4.9	1.1	37	SOUTH OF KERMADEC ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:59:30.7; Lat 32.89 S; Lon 177.74 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.33, Plg=72, Azm=239; (N) Val=0.06, Plg=14, Azm=19; (P) Val=-4.39, Plg=11, Azm=112; Best double couple: Mo=4.4*10**16 Nm; NP1: Strike=220, Dip=36, Slip=115; NP2: Strike=10, Dip=58, Slip=73.
17	05	26	29.5	12.428	N	143.350	E	33	N	4.5	1.0	30	SOUTH OF MARIANA ISLANDS
17	05	43	48.1*	11.809	N	145.548	E	24	D	4.6	0.8	10	SOUTH OF MARIANA ISLANDS
17	06	35	16.3	21.926	S	179.679	W	600	G	4.6	0.8	81	FIJI ISLANDS REGION
17	06	49	16.9?	31.07	S	70.22	W	135	G		0.4	12	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
17	06	52	45.7*	12.357	N	143.449	E	21	D		0.4	7	SOUTH OF MARIANA ISLANDS
17	07	10	22.1?	33.26	S	178.48	W	33	N	4.3	1.2	14	SOUTH OF KERMADEC ISLANDS
17	07	26	25.3*	5.784	S	146.470	E	100	G	3.7	1.2	10	EASTERN NEW GUINEA REG., P.N.G.
17	07	47	26.9*	1.850	N	97.719	E	33	N	4.2	0.3	5	NORTHERN SUMATERA, INDONESIA
17	08	25	59.7	15.548	S	174.816	W	33	N	4.7 4.9	1.1	51	TONGA ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:26:01.8; Lat 15.84 S; Lon 174.52 W; Dep 20.0; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.19, Plg=8, Azm=78; (N) Val=-0.11, Plg=81, Azm=289; (P) Val=-1.07, Plg=5, Azm=169; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=214, Dip=81, Slip=2; NP2: Strike=123, Dip=88, Slip=171.
17	08	54	05.8&	54.633	N	161.408	W	12				12	ALASKA PENINSULA. <AEIC>. ML 3.3 (AEIC).
17	09	47	12.3?	10.79	N	86.38	W	33	N	4.1	1.4	13	OFF COAST OF COSTA RICA
17	10	08	56.2	58.172	S	26.660	W	150	G	4.7	0.9	23	SOUTH SANDWICH ISLANDS REGION
17	10	21	54.7?	31.16	S	69.25	W	200	G		0.3	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.4 (SAN).
17	11	16	40.7&	33.394	S	70.124	W	110	G		0.4	9	CHILE-ARGENTINA BORDER REGION
17	11	18	41.2	30.121	N	68.033	E	33	N	4.9 4.5	1.0	93	PAKISTAN. Mw 5.2 (HRV). Felt in the Harnai-Quetta-Sibi area. Centroid, Moment Tensor (HRV): Centroid origin time 11:18:45.4; Lat 29.72 N; Lon 68.07 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.71, Plg=71, Azm=3; (N) Val=0.79, Plg=5, Azm=260; (P) Val=-7.50, Plg=19, Azm=168; Best double couple: Mo=7.1*10**16 Nm; NP1: Strike=250, Dip=27, Slip=80; NP2: Strike=82, Dip=64, Slip=95.
17	12	35	44.6*	14.812	S	175.745	W	300	G	4.1	0.6	16	SAMOA ISLANDS REGION
17	12	52	15.9?	5.09	S	102.74	E	33	N		0.9	10	SOUTHERN SUMATERA, INDONESIA
17	13	26	47.7	3.275	N	128.287	E	33	N	4.5	0.9	19	NORTH OF HALMAHERA, INDONESIA
17	13	52	26.9*	23.919	S	179.669	E	600	G	4.5	0.9	26	SOUTH OF FIJI ISLANDS
17	14	16	45.9&	38.156	N	119.256	W	12				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK).
17	14	57	23.9*	14.825	S	168.096	E	33	N		1.0	8	VANUATU ISLANDS
17	15	02	15.5?	4.65	S	140.26	E	33	N	4.2	1.5	10	IRIAN JAYA, INDONESIA
17	15	21	41.3*	12.526	N	124.942	E	33	N	4.5	0.8	20	SAMAR, PHILIPPINE ISLANDS
17	16	18	49.1	6.711	S	129.832	E	125	*	5.0	0.9	54	BANDA SEA
17	16	23	57.3?	33.58	S	178.52	W	33	N		0.9	10	SOUTH OF KERMADEC ISLANDS
17	16	26	44.2&	58.959	N	136.241	W	0				16	SOUTHEASTERN ALASKA. <AEIC>. ML 3.5 (AEIC).
17	16	35	58.2	31.379	N	132.796	E	33	N	4.7	1.2	27	SOUTHEAST OF SHIKOKU, JAPAN
17	17	49	55.5	8.222	S	122.780	E	145		5.2	0.9	82	FLORES REGION, INDONESIA
17	17	53	04.2?	27.16	N	112.28	W	5	G	3.7	1.0	5	BAJA CALIFORNIA, MEXICO
17	18	59	58.0*	11.778	N	125.446	E	33	N	4.3	0.8	13	SAMAR, PHILIPPINE ISLANDS
17	20	24	16.9*	22.996	S	171.047	E	33	N		0.7	6	LOYALTY ISLANDS REGION
17	20	30	43.6*	23.232	S	170.901	E	33	N	4.4	1.3	14	LOYALTY ISLANDS REGION

17	20	36	44.6%	33.418	N	89.690	E	16	D		0.9	8	XIZANG
17	21	03	40.2	51.347	N	179.332	W	33	N	6.4 6.3	0.9	405	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 6.4 (HRV), 6.3 (GS), 6.3 (CSEM). Me 6.0 (GS). ML 6.6 (PMR). Felt (IV) on Adak. Also felt on Amchitka.
													Broadband Source Parameters (GS): Dep 24; NP1: Strike=177, Dip=73, Slip=-90; NP2: Strike=357, Dip=17, Slip=-90; Radiated energy 2.2*10**13 Nm.
													Moment Tensor (GS): Dep 21; Principal axes (scale 10**18 Nm): (T) Val=2.76, Plg=32, Azm=261; (N) Val=0.00, Plg=3, Azm=169; (P) Val=-2.76, Plg=58, Azm=74; Best double couple: Mo=2.8*10**18 Nm; NP1: Strike=3, Dip=13, Slip=-76; NP2: Strike=168, Dip=77, Slip=-93.
													Centroid, Moment Tensor (HRV): Centroid origin time 21:03:44.7; Lat 51.31 N; Lon 179.20 W; Dep 28.0 Bdy; Half-duration 3.7 sec; Principal axes (scale 10**18 Nm): (T) Val=4.55, Plg=33, Azm=261; (N) Val=-0.31, Plg=7, Azm=355; (P) Val=-4.25, Plg=57, Azm=96; Best double couple: Mo=4.4*10**18 Nm; NP1: Strike=326, Dip=14, Slip=-120; NP2: Strike=177, Dip=78, Slip=-83.
													Moment Tensor (CSEM): Dep 25; Principal axes: (T) Plg=30, Azm=256; (N) Plg=13, Azm=353; (P) Plg=57, Azm=104; Best double couple: Mo=3.5*10**18 Nm; NP1: Strike=311, Dip=19, Slip=-134; NP2: Strike=177, Dip=76, Slip=-77.
													Scalar Moment (PPT): Mo=3.1*10**18 Nm.
17	22	03	12.1%	6.610	S	155.206	E	33	N		0.8	9	SOLOMON ISLANDS
17	22	14	17.3	27.744	S	64.753	W	28	D	5.6 5.5	0.9	177	SANTIAGO DEL ESTERO PROV., ARG. Mw 5.6 (HRV). Minor damage in Tucuman Province. Felt in parts of Catamarca, Santiago del Estero and Tucuman Provinces.
													Centroid, Moment Tensor (HRV): Centroid origin time 22:14:23.4; Lat 27.99 S; Lon 64.74 W; Dep 39.5; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=3.69, Plg=70, Azm=6; (N) Val=-1.53, Plg=2, Azm=271; (P) Val=-2.16, Plg=20, Azm=180; Best double couple: Mo=2.9*10**17 Nm; NP1: Strike=267, Dip=25, Slip=86; NP2: Strike=91, Dip=65, Slip=92.
17	22	42	07.6*	6.668	S	155.380	E	31	D		1.0	7	SOLOMON ISLANDS
17	22	44	16.9?	12.84	S	166.36	E	33	N	4.4	1.2	12	SANTA CRUZ ISLANDS
17	22	53	58.3	39.565	N	15.436	E	298		3.9	1.3	77	SOUTHERN ITALY
18	00	03	05.7?	15.62	S	174.39	W	150	G	4.8	0.5	12	TONGA ISLANDS
18	02	03	35.8	24.003	N	121.859	E	100	G	4.6	0.9	50	TAIWAN. Felt at Taipei and throughout northern and eastern Taiwan.
18	02	23	54.3*	30.531	N	143.016	E	33	N		0.6	6	SOUTH OF HONSHU, JAPAN
18	02	29	18.5	24.160	S	178.586	E	600	G	4.5	0.9	28	SOUTH OF FIJI ISLANDS
18	02	39	06.5?	23.93	S	178.68	E	600	G	4.5	1.1	11	SOUTH OF FIJI ISLANDS
18	03	30	19.5?	31.81	S	70.54	W	130	G		0.4	11	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
18	04	32	04.2*	11.309	N	139.105	E	33	N	4.6	1.0	15	WESTERN CAROLINE ISLANDS
18	05	06	08.5*	6.692	S	129.678	E	150	G	4.6	1.2	17	BANDA SEA
18	06	13	41.6*	64.815	N	137.300	E	10	G	3.9	1.3	18	EASTERN SIBERIA, RUSSIA
18	06	15	09.0?	31.59	S	69.15	W	130	G		0.9	11	SAN JUAN PROVINCE, ARGENTINA. MD 2.6 (SAN).
18	07	05	10.1?	32.33	S	71.09	W	50	G		0.3	10	NEAR COAST OF CENTRAL CHILE
18	07	26	06.2?	8.09	S	105.69	E	33	N		0.6	6	SOUTH OF JAWA, INDONESIA
18	07	34	04.2?	51.27	N	173.36	E	33	N		1.5	10	NEAR ISLANDS, ALEUTIAN ISLANDS
18	07	55	22.5*	10.279	N	126.370	E	38	D	4.4	0.9	20	PHILIPPINE ISLANDS REGION
18	08	05	55.7	44.461	N	114.132	W	5	G		1.1	28	WESTERN IDAHO. ML 3.5 (GS), 3.9 (BUT).
18	08	29	41.8&	63.458	N	151.413	W	7				37	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
18	08	35	36.1*	21.132	S	67.320	W	187	*	4.0	1.1	30	CHILE-BOLIVIA BORDER REGION
18	08	49	24.1	51.170	N	98.215	E	27	D	4.7	1.2	41	RUSSIA-MONGOLIA BORDER REGION
18	09	49	42.9%	33.359	S	71.273	W	50	G		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 2.8 (SAN).
18	11	18	43.2*	9.331	N	122.258	E	50	G	4.6	0.9	23	NEGROS, PHILIPPINE ISLANDS
18	12	04	44.8	51.310	N	179.321	W	33	N	4.6	0.9	70	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
18	12	09	24.4	44.013	N	147.750	E	33	N	4.6	1.1	42	KURIL ISLANDS
18	12	47	42.3?	32.46	S	178.86	W	33	N	4.4	0.5	9	SOUTH OF KERMADEC ISLANDS
18	12	59	39.2*	45.592	N	10.972	E	10	G		0.5	8	NORTHERN ITALY. ML 2.9 (VIE).
18	13	03	30.7?	12.12	N	123.79	E	50	G	4.2	1.3	7	LUZON, PHILIPPINE ISLANDS
18	13	35	16.1?	18.45	N	107.12	W	33	N	4.2	1.2	12	OFF COAST OF JALISCO, MEXICO
18	13	49	05.5*	17.639	N	145.785	E	218	*		1.4	15	MARIANA ISLANDS
18	14	32	15.4?	19.00	N	108.50	W	10	G	3.8	1.2	20	REVILLA GIGEDO ISLANDS REGION
18	15	01	53.1*	39.913	N	76.832	E	33	N	4.2	1.4	15	SOUTHERN XINJIANG, CHINA
18	15	47	51.8%	7.547	S	158.202	E	56	D		0.7	9	SOLOMON ISLANDS
18	16	27	10.8	30.125	S	179.294	W	450	G	4.2	0.9	17	KERMADEC ISLANDS REGION
18	16	47	15.6	12.422	N	143.253	E	10	G	5.0	1.1	69	SOUTH OF MARIANA ISLANDS. Mw 5.4 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 16:47:18.9; Lat 12.28 N; Lon 143.45 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.37, Plg=18, Azm=237; (N) Val=0.14, Plg=54, Azm=121; (P) Val=-1.51, Plg=30, Azm=337; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=14, Dip=56, Slip=-10; NP2: Strike=109, Dip=82, Slip=-145.
18	16	49	33.6*	12.300	N	143.305	E	10	G	4.5	0.6	7	SOUTH OF MARIANA ISLANDS
18	17	12	21.1?	13.63	N	143.23	E	10	G	3.8	0.7	6	SOUTH OF MARIANA ISLANDS
18	17	46	35.3	47.351	N	153.046	E	59	D	4.6	0.9	67	KURIL ISLANDS
18	19	01	17.9*	6.496	S	128.281	E	337	?	4.2	1.3	10	BANDA SEA
18	19	14	27.1?	34.95	S	71.18	W	100	G		0.2	8	NEAR COAST OF CENTRAL CHILE
18	19	29	54.9?	33.17	S	178.74	W	33	N	4.3	0.8	11	SOUTH OF KERMADEC ISLANDS
18	19	30	19.1*	51.116	N	15.916	E	5	G		0.8	5	POLAND. ML 3.2 (VIE).
18	19	31	54.6*	32.853	S	178.340	W	33	N	5.0 5.3	1.4	37	SOUTH OF KERMADEC ISLANDS. Mw 5.3 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 19:31:58.7; Lat 32.85 S; Lon 177.70 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=0.83, Plg=66, Azm=312; (N) Val=0.28, Plg=10, Azm=199; (P) Val=-1.11, Plg=21, Azm=105; Best double couple: Mo=9.7*10**16 Nm; NP1: Strike=177, Dip=25, Slip=66; NP2: Strike=23, Dip=67, Slip=101.

18	20	32	41.8*	30.707	N	142.750	E	42	D	4.3	1.3	18	SOUTH OF HONSHU, JAPAN
18	20	48	24.4*	12.370	N	143.419	E	10	G	4.7	0.5	9	SOUTH OF MARIANA ISLANDS
18	21	58	32.2*	34.342	N	36.787	W	10	G	3.9	1.1	14	NORTHERN MID-ATLANTIC RIDGE
18	22	35	14.9*	4.511	N	76.114	W	33	N	4.0	1.2	22	COLOMBIA
18	23	05	44.1?	4.74	S	151.69	E	150	G	4.5	1.2	13	NEW BRITAIN REGION, P.N.G.
19	00	15	04.9*	34.496	N	36.760	W	10	G	4.6	1.2	13	NORTHERN MID-ATLANTIC RIDGE
19	00	24	01.1	30.663	S	178.998	W	200	G	5.2	1.1	90	KERMADEC ISLANDS, NEW ZEALAND
19	00	27	54.1&	60.089	N	153.077	W	123				69	SOUTHERN ALASKA. <AEIC>.
19	02	47	01.0*	31.889	S	179.229	W	33	N	4.9	1.4	18	KERMADEC ISLANDS REGION
19	03	02	41.9*	32.995	S	178.663	W	33	N	4.7 5.0	1.2	22	SOUTH OF KERMADEC ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:02:46.6; Lat 32.94 S; Lon 178.02 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.06, Plg=71, Azm=275; (N) Val=1.29, Plg=3, Azm=14; (P) Val=-6.35, Plg=19, Azm=105; Best double couple: Mo=5.7*10**16 Nm; NP1: Strike=200, Dip=27, Slip=97; NP2: Strike=13, Dip=64, Slip=87.
19	03	41	50.3*	5.196	S	141.964	E	33	N	4.2	0.7	8	NEW GUINEA, PAPUA NEW GUINEA
19	03	51	05.3&	35.547	N	21.593	E	33	N		0.9	8	CENTRAL MEDITERRANEAN SEA
19	04	34	54.1&	44.800	N	6.549	E	5	G		0.6	7	FRANCE. ML 1.8 (LDG).
19	05	50	37.7?	2.70	N	126.11	E	100	G	4.2	0.6	7	NORTHERN MOLUCCA SEA
19	07	06	33.8*	7.533	N	74.681	W	33	N	4.0	1.4	12	NORTHERN COLOMBIA
19	07	07	13.8*	3.472	N	95.066	E	35	D	4.2	1.2	19	OFF W COAST OF NORTHERN SUMATERA
19	07	21	02.4*	18.435	S	175.665	W	200	G	4.4	1.0	17	TONGA ISLANDS
19	07	22	31.4*	9.564	N	126.002	E	107	*	5.1	0.9	15	MINDANAO, PHILIPPINE ISLANDS
19	08	55	03.6*	40.845	S	174.471	E	33	N	4.7	1.1	21	COOK STRAIT, NEW ZEALAND. Felt from southern Taranaki on the North Island to the northern part of the South Island.
19	10	05	19.9	24.852	N	125.285	E	49	D	5.3 4.8	1.1	137	SOUTHWESTERN RYUKYU ISLANDS. Mw 5.0 (HRV). Felt on Miyako-jima. Centroid, Moment Tensor (HRV): Centroid origin time 10:05:20.1; Lat 24.71 N; Lon 125.41 E; Dep 45.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.90, Plg=67, Azm=18; (N) Val=0.49, Plg=14, Azm=254; (P) Val=-4.39, Plg=18, Azm=159; Best double couple: Mo=4.2*10**16 Nm; NP1: Strike=228, Dip=29, Slip=61; NP2: Strike=80, Dip=65, Slip=105.
19	10	18	55.4&	5.055	S	129.361	E	33	N		1.3	6	BANDA SEA
19	10	33	35.9	31.523	N	138.487	E	334		3.9	1.0	37	SOUTH OF HONSHU, JAPAN
19	11	21	22.3?	21.66	S	169.79	E	100	G		1.0	7	LOYALTY ISLANDS REGION
19	11	21	51.1	31.346	N	115.640	W	10	G	4.0	0.9	37	BAJA CALIFORNIA, MEXICO. MD 4.1 (ECX). Felt in the epicentral area.
19	11	45	42.6&	58.998	N	154.229	W	110		2.9		82	ALASKA PENINSULA. <AEIC>.
19	12	21	03.1	33.200	S	70.142	W	106	D	5.4	0.9	147	CHILE-ARGENTINA BORDER REGION. Mw 5.4 (GS), 5.4 (HRV). MD 5.0 (SAN). Felt (V) at Santiago; (IV) at Punitaqui and Rancagua; (III) at Quillota and Valparaiso, Chile. Moment Tensor (GS): Dep 105; Principal axes (scale 10**17 Nm): (T) Val=1.46, Plg=38, Azm=117; (N) Val=0.10, Plg=11, Azm=216; (P) Val=-1.56, Plg=50, Azm=319; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=155, Dip=12, Slip=-152; NP2: Strike=37, Dip=84, Slip=-79. Centroid, Moment Tensor (HRV): Centroid origin time 12:21:07.8; Lat 33.15 S; Lon 70.19 W; Dep 115.9; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.29, Plg=27, Azm=95; (N) Val=0.10, Plg=17, Azm=195; (P) Val=-1.39, Plg=57, Azm=313; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=150, Dip=24, Slip=-137; NP2: Strike=20, Dip=74, Slip=-72.
19	14	35	35.6?	13.18	N	89.08	W	75		4.2	1.4	19	EL SALVADOR. MD 3.7 (SSS). Felt (III) at San Salvador.
19	15	01	30.5*	40.199	N	21.403	E	58	*	3.4	0.6	11	GREECE
19	15	47	41.7*	35.893	N	70.855	E	114	?		1.2	17	HINDU KUSH REGION, AFGHANISTAN
19	16	02	44.0	32.770	S	69.882	W	118		5.1	1.0	35	MENDOZA PROVINCE, ARGENTINA. MD 4.7 (SAN). Felt (IV) at Los Andes; (III) at San Felipe and Santiago; (II) at Choapa and Valparaiso, Chile.
19	16	46	28.3*	32.423	S	179.295	E	450	G	4.2	0.6	16	SOUTH OF KERMADEC ISLANDS
19	16	54	08.3?	45.78	N	12.15	E	10	G		0.5	6	NORTHERN ITALY. ML 2.5 (VIE).
19	18	01	02.6?	7.24	S	155.38	E	50	G		0.8	8	SOLOMON ISLANDS
19	22	18	03.5	12.451	N	143.318	E	10	G	4.7	0.9	40	SOUTH OF MARIANA ISLANDS
19	22	25	28.3*	11.994	N	144.063	E	10	G	3.6	0.9	11	SOUTH OF MARIANA ISLANDS
19	22	31	44.0?	17.50	S	178.96	W	600	G	4.2	0.3	8	FIJI ISLANDS REGION
19	22	45	32.6	51.420	N	159.415	E	30	D	5.0 4.9	1.3	94	OFF EAST COAST OF KAMCHATKA. Mw 5.1 (HRV). Felt (II) at Petropavlovsk-Kamchatskiy. Centroid, Moment Tensor (HRV): Centroid origin time 22:45:38.1; Lat 51.30 N; Lon 159.97 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**16 Nm): (T) Val=5.42, Plg=72, Azm=24; (N) Val=0.25, Plg=16, Azm=229; (P) Val=-5.67, Plg=7, Azm=137; Best double couple: Mo=5.6*10**16 Nm; NP1: Strike=209, Dip=40, Slip=64; NP2: Strike=61, Dip=54, Slip=110.
19	23	26	10.5	8.732	S	122.420	E	50	G	5.4	1.2	61	FLORES REGION, INDONESIA
20	00	20	03.9	49.401	N	6.935	E	10	G		0.8	9	GERMANY. ML 2.4 (UCC). Mining induced event in the Lorraine region, France.
20	02	00	36.8*	5.423	S	68.812	E	10	G	4.8	1.3	32	CHAGOS ARCHIPELAGO REGION
20	02	29	57.3&	45.355	N	6.691	E	5	G		1.2	10	FRANCE. ML 2.3 (LDG).
20	02	33	54.3	51.481	N	173.678	W	33	N	5.3 4.8	1.0	201	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.3 (HRV). ML 5.4 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 02:33:56.1; Lat 51.44 N; Lon 173.85 W; Dep 15.5; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.12, Plg=61, Azm=320; (N) Val=0.05, Plg=4, Azm=57; (P) Val=-1.18, Plg=29, Azm=150; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=252, Dip=17, Slip=105; NP2: Strike=56, Dip=74, Slip=85.
20	02	56	45.1&	34.768	N	22.747	E	33	N		1.0	7	CENTRAL MEDITERRANEAN SEA
20	03	12	27.1*	18.734	S	69.498	W	150	G		1.2	9	NORTHERN CHILE

20	03	33	19.9*	51.575	N	159.400	E	41	D	4.1	0.4	12	OFF EAST COAST OF KAMCHATKA
20	03	47	30.1*	28.030	N	140.053	E	382		3.6	0.5	14	BONIN ISLANDS REGION
20	04	03	09.4*	51.511	N	159.445	E	32	D	4.1	0.9	12	OFF EAST COAST OF KAMCHATKA
20	04	35	40.5&	32.681	N	118.109	W	6	G	4.3		78	OFF COAST OF CALIFORNIA. <PAS-P>. Mw 4.8 (BRK). ML 4.7 (PAS), 4.6 (BRK). Felt at San Diego and on Santa Catalina Island. Also felt along the coast of Orange County. Moment Tensor (BRK): Dep 8; Principal axes (scale 10**16 Nm): (T) Val=1.94, Plg=1, Azm=268; (N) Val=0.00, Plg=77, Azm=2; (P) Val=-1.94, Plg=13, Azm=178; Best double couple: Mo=1.9*10**16 Nm; NP1: Strike=222, Dip=81, Slip=-10; NP2: Strike=314, Dip=80, Slip=-171.
20	04	57	04.5*	64.778	N	147.046	E	33	N	3.5	1.2	10	EASTERN SIBERIA, RUSSIA
20	05	01	19.6*	43.196	N	146.705	E	33	N	4.1	0.8	16	KURIL ISLANDS
20	05	38	55.0&	32.685	N	118.138	W	6	G	3.9		37	OFF COAST OF CALIFORNIA. <PAS-P>. ML 4.2 (PAS). Felt.
20	08	04	13.6&	32.626	N	118.151	W	6	G	4.0		54	OFF COAST OF CALIFORNIA. <PAS-P>. ML 4.6 (PAS). Felt (IV) at San Diego and (III) at Pacific Beach. Also felt along the coast of Orange County.
20	08	16	50.2?	43.50	N	0.77	W	5	G		1.5	4	PYRENEES. ML 2.7 (LDG).
20	08	51	53.0*	76.078	N	117.921	W	10	G		0.9	7	QUEEN ELIZABETH ISLANDS, CANADA
20	09	10	17.9&	62.785	N	148.264	W	60				50	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
20	10	51	57.2&	32.645	N	118.142	W	6	G			8	OFF COAST OF CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
20	11	12	33.4?	29.13	S	175.72	W	33	N	4.2	1.3	7	KERMADEC ISLANDS REGION
20	11	14	31.9?	13.25	S	166.35	E	33	N	4.5	1.4	13	VANUATU ISLANDS
20	11	17	40.9&	32.721	N	118.133	W	6	G			8	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
20	12	42	14.2&	32.623	N	118.167	W	6	G			4	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
20	12	57	32.3	32.334	N	59.957	E	10	G	5.0 5.4	1.4	108	NORTHERN IRAN. Mw 5.6 (HRV). Sixty houses destroyed in Khorasan Province. Centroid, Moment Tensor (HRV): Centroid origin time 12:57:35.7; Lat 32.19 N; Lon 59.97 E; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.52, Plg=1, Azm=144; (N) Val=-0.20, Plg=87, Azm=268; (P) Val=-2.32, Plg=2, Azm=54; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=189, Dip=87, Slip=-179; NP2: Strike=99, Dip=89, Slip=-3.
20	13	25	19.8*	32.060	N	59.994	E	10	G	4.3	1.1	19	NORTHERN IRAN
20	13	34	27.0*	32.238	N	60.092	E	10	G	4.2	0.9	13	NORTHERN IRAN
20	15	10	15.5*	38.366	N	142.785	E	33	N		0.4	8	NEAR EAST COAST OF HONSHU, JAPAN
20	15	20	26.3%	45.132	N	148.696	E	150	G		1.0	7	KURIL ISLANDS
20	15	36	31.8	41.104	S	174.266	E	37	*	4.8	0.9	34	COOK STRAIT, NEW ZEALAND. Felt at Wanganui and along the southwestern coast of the North Island.
20	16	19	59.1%	61.075	N	167.040	E	33	N		0.8	11	EASTERN SIBERIA, RUSSIA
20	18	41	54.0	12.271	N	143.523	E	10	G	3.9	0.7	13	SOUTH OF MARIANA ISLANDS
20	18	48	38.8%	44.547	N	7.120	E	5	G		0.5	11	NORTHERN ITALY. ML 2.6 (LDG).
20	19	06	09.6%	44.518	N	7.028	E	5	G		0.3	9	NORTHERN ITALY. ML 1.8 (LDG).
20	19	42	48.6?	31.85	S	178.88	W	33	N	4.4	1.2	10	KERMADEC ISLANDS REGION
20	19	46	08.1	51.472	N	159.356	E	34	D	4.7	1.1	33	OFF EAST COAST OF KAMCHATKA
20	20	16	26.3	33.945	N	141.678	E	23		4.6	1.0	34	OFF EAST COAST OF HONSHU, JAPAN
20	20	35	47.4	21.409	N	145.571	E	33	N	5.0	0.8	91	MARIANA ISLANDS REGION
20	20	41	02.3&	31.791	N	116.237	W	6	G			22	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.7 (PAS). MD 3.8 (ECX). Felt in the epicentral area.
20	21	06	53.1%	42.716	N	139.247	E	224	*		0.6	10	HOKKAIDO, JAPAN REGION
20	21	45	31.4	46.501	N	1.773	W	5	G		1.1	12	FRANCE. ML 2.7 (LDG).
20	23	04	43.9*	29.639	N	65.789	E	33	N	4.1	1.1	8	PAKISTAN
21	00	29	10.5*	24.207	S	179.917	W	500	G	4.8	1.2	38	SOUTH OF FIJI ISLANDS
21	01	05	17.3*	0.078	N	122.346	E	200	G	4.6	0.8	15	MINAHASSA PENINSULA, SULAWESI
21	01	54	22.4	41.529	S	86.609	W	10	G	4.8 4.5	1.0	32	WEST CHILE RISE
21	02	00	51.8*	5.950	S	104.005	E	100	G	4.3	1.1	23	SOUTHERN SUMATERA, INDONESIA
21	03	25	06.1*	42.396	N	143.043	E	105	?	4.0	1.0	17	HOKKAIDO, JAPAN REGION
21	03	35	18.9*	51.689	N	16.128	E	5	G		1.3	10	POLAND. ML 3.1 (VIE).
21	04	01	11.9	34.661	N	26.730	E	33	N	4.2	1.0	55	CRETE
21	04	18	58.1	17.036	N	147.230	E	48	*	4.9 5.0	0.9	111	MARIANA ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:18:59.8; Lat 17.30 N; Lon 148.04 E; Dep 15.0 Bdy; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.13, Plg=56, Azm=358; (N) Val=-0.28, Plg=31, Azm=206; (P) Val=-0.85, Plg=13, Azm=108; Best double couple: Mo=9.9*10**16 Nm; NP1: Strike=164, Dip=42, Slip=39; NP2: Strike=43, Dip=65, Slip=124.
21	06	31	40.8?	32.28	S	71.66	W	10	G		0.5	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
21	06	34	06.6*	10.801	N	126.154	E	33	N	4.7	1.0	16	PHILIPPINE ISLANDS REGION
21	06	54	28.6&	57.710	N	152.579	W	46		2.7		4	KODIAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
21	06	57	29.4	1.787	N	127.284	E	100	G	4.9	1.0	65	HALMAHERA, INDONESIA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:57:32.9; Lat 2.02 N; Lon 127.29 E; Dep 122.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.73, Plg=25, Azm=72; (N) Val=3.21, Plg=35, Azm=182; (P) Val=-6.94, Plg=45, Azm=314; Best double couple: Mo=5.3*10**16 Nm; NP1: Strike=114, Dip=37, Slip=-161; NP2: Strike=9, Dip=79, Slip=-55.
21	08	45	26.5	33.152	N	60.148	E	10	G	4.5	0.9	29	NORTHERN IRAN. Felt in Khorasan Province.
21	09	00	52.8*	16.156	S	67.283	E	10	G	4.8	1.1	16	MID-INDIAN RIDGE
21	09	09	00.7*	17.113	N	147.308	E	33	N	4.0	1.3	18	MARIANA ISLANDS REGION
21	09	52	21.3*	46.066	N	142.711	E	300	G	3.1	1.0	9	SAKHALIN ISLAND
21	10	49	43.6*	27.065	N	143.717	E	33	N	4.1	1.3	9	BONIN ISLANDS REGION
21	11	45	16.2*	12.295	N	143.570	E	33	N		0.6	8	SOUTH OF MARIANA ISLANDS
21	11	51	00.4*	13.817	N	92.291	W	33	N	4.4	1.2	20	OFF COAST OF CHIAPAS, MEXICO
21	12	56	30.9	44.557	N	10.170	E	10	G		1.1	30	NORTHERN ITALY. ML 3.5 (VIE), 3.2 (LDG).
21	13	04	44.7*	4.314	S	125.846	E	400	G	4.4	1.1	15	BANDA SEA
21	14	43	39.3?	23.88	S	179.68	W	300	G	4.0	1.1	11	SOUTH OF FIJI ISLANDS
21	15	40	58.5	47.554	N	147.555	E	373	*	4.2	1.0	52	NORTHWEST OF KURIL ISLANDS
21	16	47	26.9%	46.198	N	7.963	E	5	G		1.4	7	SWITZERLAND. ML 2.2 (LDG).
21	17	25	49.4*	7.112	S	129.142	E	33	N	3.9	1.4	11	BANDA SEA
21	17	43	13.8*	23.104	S	170.092	E	31	D	4.1	1.3	21	LOYALTY ISLANDS REGION

21	17	43	31.8&	62.043	N	148.437	W	45				30	CENTRAL ALASKA. <AEIC>. ML 3.7 (AEIC), 3.5 (PMR). Felt (II) at Palmer.
21	18	45	14.9?	5.83	S	148.40	E	33	N	3.9	0.5	6	NEW BRITAIN REGION, P.N.G.
21	18	55	36.4	7.361	S	120.272	E	440		4.5	0.9	22	FLORES SEA
21	19	18	50.4	51.692	N	16.030	E	5	G		1.0	22	POLAND. ML 3.7 (GRF), 3.7 (VIE), 3.4 (FUR).
21	19	34	48.7*	32.875	S	179.200	W	33	N	5.0	1.0	28	SOUTH OF KERMADEC ISLANDS
21	22	21	20.4	32.941	N	60.190	E	10	G	4.5	0.9	53	NORTHERN IRAN. Felt in Khorasan Province.
21	22	33	38.5*	31.519	S	117.653	E	10	G		1.1	5	WESTERN AUSTRALIA
21	23	18	07.0	32.054	S	71.457	W	50	G		1.3	19	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN). Felt (IV) at Illapel; (III) at Los Vilos and Papudo; (II) at Limache, Puchuncavi, Quillota, San Felipe, Ventanas and Zapallar.
21	23	19	37.2?	15.99	N	99.00	W	33	N	4.2	1.4	19	OFF COAST OF GUERRERO, MEXICO
21	23	45	00.6	3.410	N	122.941	E	548		4.9	1.0	91	CELEBES SEA
21	23	51	37.4	32.070	N	141.936	E	33	N	4.7	1.1	35	SOUTH OF HONSHU, JAPAN
22	00	46	33.8*	39.551	N	49.266	E	33	N	3.8	0.9	12	CASPIAN SEA
22	00	55	05.1?	20.32	S	177.62	W	500	G	3.7	0.7	9	FIJI ISLANDS REGION
22	01	04	28.3	4.596	S	152.459	E	74	D	4.7	1.1	35	NEW BRITAIN REGION, P.N.G.
22	01	08	22.3?	19.96	N	71.32	W	33	N	3.6	0.7	10	DOMINICAN REPUBLIC REGION
22	01	28	26.2*	21.918	S	63.645	W	550	G	4.3	1.3	27	SOUTHERN BOLIVIA
22	01	36	32.1&	62.995	N	150.929	W	122		3.0		46	CENTRAL ALASKA. <AEIC>.
22	02	22	56.4&	55.316	N	162.366	W	121				18	ALASKA PENINSULA. <AEIC>.
22	02	29	14.2&	59.964	N	153.261	W	123				41	SOUTHERN ALASKA. <AEIC>.
22	02	41	19.5&	62.598	N	149.544	W	65				40	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).
22	03	06	52.9%	6.025	S	106.988	E	100	G		1.0	9	JAWA, INDONESIA
22	04	36	07.2	33.725	N	131.510	E	33	N		1.1	20	KYUSHU, JAPAN
22	04	54	18.9%	30.444	N	96.683	E	33	N		0.7	7	XIZANG
22	05	21	18.7*	33.989	N	82.674	E	33	N		1.0	15	XIZANG
22	06	04	33.9*	56.866	N	123.115	E	33	N		1.0	7	SOUTHEASTERN SIBERIA, RUSSIA
22	06	22	51.9*	3.255	S	101.699	E	33	N	4.6	1.0	27	SOUTHERN SUMATERA, INDONESIA
22	06	35	00.4*	6.595	S	130.159	E	100	G	4.2	1.2	13	BANDA SEA
22	07	24	31.2	51.570	N	178.413	W	33	N	4.9 4.2	0.9	133	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.1 (HRV). ML 5.0 (PMR). Felt (III) on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 07:24:29.5; Lat 51.34 N; Lon 178.01 W; Dep 57.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.27, Plg=61, Azm=322; (N) Val=0.63, Plg=5, Azm=62; (P) Val=-5.90, Plg=29, Azm=154; Best double couple: Mo=5.6*10**16 Nm; NP1: Strike=259, Dip=17, Slip=109; NP2: Strike=60, Dip=74, Slip=84.
22	08	14	25.2%	30.068	N	96.333	E	22	D		1.2	10	XIZANG
22	08	25	52.5	39.883	N	143.147	E	29	D	4.6	1.3	31	OFF EAST COAST OF HONSHU, JAPAN
22	08	47	00.0?	45.16	N	14.61	E	5	G		0.9	5	NORTHWESTERN BALKAN REGION. ML 1.8 (LJU).
22	09	07	25.6*	40.244	N	77.907	E	33	N	3.9	1.4	11	KYRGYZSTAN-XINJIANG BORDER REG.
22	09	28	54.7&	59.950	N	153.305	W	125				3	SOUTHERN ALASKA. <AEIC>.
22	09	36	04.4	21.939	N	121.502	E	33	N	5.2 4.9	1.1	79	TAIWAN REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:36:03.8; Lat 21.83 N; Lon 121.64 E; Dep 45.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.95, Plg=45, Azm=196; (N) Val=-0.71, Plg=45, Azm=22; (P) Val=-7.24, Plg=3, Azm=289; Best double couple: Mo=7.6*10**16 Nm; NP1: Strike=342, Dip=57, Slip=33; NP2: Strike=233, Dip=63, Slip=143.
22	10	27	02.0%	7.867	S	158.279	E	100	G		1.2	5	SOLOMON ISLANDS
22	11	40	34.9*	8.054	S	129.225	E	33	N	4.0	1.0	8	TIMOR SEA
22	11	51	11.8%	32.681	S	70.195	W	110	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
22	12	33	20.0	26.929	N	140.534	E	439		3.9	0.9	30	BONIN ISLANDS REGION
22	12	33	25.6&	60.014	N	153.456	W	146				4	SOUTHERN ALASKA. <AEIC>.
22	12	48	49.0*	36.545	N	71.052	E	200	G	3.3	0.6	9	AFGHANISTAN-TAJIKISTAN BORD REG.
22	13	28	16.6	31.123	N	141.691	E	33	N	5.0 4.8	1.0	94	SOUTH OF HONSHU, JAPAN. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:28:20.0; Lat 31.35 N; Lon 141.53 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.08, Plg=54, Azm=293; (N) Val=-0.05, Plg=7, Azm=194; (P) Val=-1.03, Plg=35, Azm=100; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=160, Dip=12, Slip=56; NP2: Strike=15, Dip=80, Slip=97.
22	14	07	27.3	31.131	N	141.709	E	33	N	4.6 4.1	1.0	44	SOUTH OF HONSHU, JAPAN
22	14	08	46.8&	32.723	N	118.146	W	6	G			3	OFF COAST OF CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
22	14	17	16.2*	10.409	S	124.132	E	33	N	4.1	1.2	8	TIMOR REGION, INDONESIA
22	15	19	54.0*	2.083	N	121.599	E	33	N	4.4	0.8	19	CELEBES SEA
22	15	44	16.3&	62.196	N	151.005	W	71				10	CENTRAL ALASKA. <AEIC>.
22	16	50	15.0%	49.081	N	2.016	W	10	G		1.4	20	FRANCE. ML 3.4 (LDG). Felt (IV) on Jersey, United Kingdom.
22	17	15	20.2	44.214	N	146.696	E	79	D	4.4	0.9	43	KURIL ISLANDS
22	18	23	29.3*	26.934	N	129.177	E	33	N		1.0	13	RYUKYU ISLANDS
22	18	59	51.9*	52.936	N	174.651	W	33	N		0.8	14	ANDREANOF ISLANDS, ALEUTIAN IS.
22	19	18	53.2*	53.048	N	167.589	W	74	?		0.9	8	FOX ISLANDS, ALEUTIAN ISLANDS
22	19	41	13.9?	4.81	S	148.91	E	100	G	4.0	0.5	7	BISMARCK SEA
22	21	13	37.7*	24.639	S	68.335	W	100	G	4.2	1.0	15	CHILE-ARGENTINA BORDER REGION
22	21	26	03.2	15.956	S	176.788	W	350	G	4.6	1.1	86	FIJI ISLANDS REGION
22	22	12	32.2?	33.19	S	72.10	W	20	G		0.6	11	OFF COAST OF CENTRAL CHILE. MD 4.0 (SAN).
22	22	40	30.6*	20.624	S	178.529	W	500	G	3.9	0.7	13	FIJI ISLANDS REGION
22	22	52	53.9	33.139	N	60.101	E	10	G	4.7	0.8	46	NORTHERN IRAN
22	23	31	15.4*	39.486	N	74.930	E	33	N	3.7	1.2	14	SOUTHERN XINJIANG, CHINA
23	01	03	45.5	10.585	N	83.368	W	22	D	5.2 4.4	1.1	152	COSTA RICA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:03:51.8; Lat 10.84 N; Lon 83.33 W; Dep 15.2; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.01, Plg=65, Azm=131; (N) Val=-0.08, Plg=24, Azm=288; (P) Val=-0.93, Plg=9, Azm=22; Best double couple: Mo=9.6*10**16 Nm; NP1: Strike=138, Dip=42, Slip=127; NP2: Strike=272, Dip=58, Slip=62.
23	01	51	24.5&	57.141	N	155.674	W	64				31	ALASKA PENINSULA. <AEIC>. ML 3.5 (AEIC), 4.1 (PMR).
23	02	55	02.3%	41.812	N	7.751	E	10	G		0.9	20	WESTERN MEDITERRANEAN SEA. ML 3.2 (LDG).

23	05	27	46.0?	3.99	N	130.77	E	33	N	3.8		1.2	6	NORTH OF HALMAHERA, INDONESIA
23	07	31	03.3*	26.388	N	140.728	E	100	G	3.7		1.0	10	BONIN ISLANDS REGION
23	07	57	27.2&	32.734	N	115.432	W	16					18	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.5 (PAS). MD 3.5 (ECX). Felt in the Imperial Valley, California. Also felt in the area north of Mexicali, Mexico.
23	08	51	59.0*	13.967	N	120.989	E	33	N	4.7		0.8	16	MINDORO, PHILIPPINE ISLANDS
23	09	38	01.0?	5.68	S	152.24	E	33	N			1.0	10	NEW BRITAIN REGION, P.N.G.
23	09	40	04.4%	46.478	N	3.127	E	5	G			0.5	10	FRANCE. ML 2.5 (LDG).
23	11	46	36.7	32.042	N	140.824	E	57		4.9	4.4	0.9	102	SOUTH OF HONSHU, JAPAN
23	12	26	40.0*	15.138	S	173.791	W	33	N	4.2		0.7	16	TONGA ISLANDS
23	12	49	00.3?	5.73	S	150.45	E	33	N	4.7		1.5	14	NEW BRITAIN REGION, P.N.G.
23	14	52	49.8*	2.836	S	129.945	E	33	N			1.2	9	SERAM, INDONESIA
23	15	06	03.4*	35.669	N	52.499	E	33	N	4.0		1.2	11	NORTHERN IRAN
23	15	31	13.9*	31.969	N	141.131	E	53	*			1.1	22	SOUTH OF HONSHU, JAPAN
23	16	10	12.3	12.260	N	143.493	E	27	D	4.6	4.4	1.1	31	SOUTH OF MARIANA ISLANDS
23	16	30	40.6	46.179	N	153.012	E	39	D	4.7	4.5	1.1	74	KURIL ISLANDS
23	18	29	06.1*	12.738	N	89.244	W	57	D	4.3		1.3	23	OFF COAST OF CENTRAL AMERICA. MD 4.1 (SSS). Felt (III) at San Salvador, El Salvador.
23	19	13	27.0&	47.599	N	122.574	W	7		5.0			150	WASHINGTON. <SEA-P>. MD 4.9 (SEA). Slight damage (VI) at Bremerton and Poulsbo. Felt (V) at Gig Harbor, Port Gamble, Tracyton and on Bainbridge Island; (IV) at Allyn, Indianola, Kent, Keyport, Kirkland, Manchester, Mercer Island, Mountlake Terrace, Olalla, Orting, Port Orchard, Quilcene, Seabeck, SeaTac Airport, Seattle, Shelton, South Colby, Southworth and Vashon. Felt throughout the Puget Sound area from Mount Vernon to Olympia.
23	19	16	31.8*	47.575	N	122.521	W	5	G			1.2	5	WASHINGTON. MD 2.0 (SEA).
23	19	18	58.4*	47.594	N	122.545	W	5	G			1.3	5	WASHINGTON. MD 1.4 (SEA).
23	19	30	09.5&	47.603	N	122.558	W	2					49	WASHINGTON. <SEA-P>. MD 2.6 (SEA).
23	19	31	33.8	28.010	N	51.944	E	33	N	4.4		0.8	49	SOUTHERN IRAN
23	19	57	48.3*	25.265	N	123.659	E	97	D			1.0	12	NORTHEAST OF TAIWAN
23	20	59	57.6	50.512	N	19.064	E	5	G			0.4	6	POLAND. ML 3.0 (CLL).
23	21	46	23.3	47.584	N	122.551	W	5	G			0.9	8	WASHINGTON. MD 3.1 (SEA).
23	22	10	57.3*	25.036	N	123.754	E	33	N	4.4		1.4	13	NORTHEAST OF TAIWAN
23	22	32	03.7?	11.86	N	82.76	W	33	N	3.9		1.4	7	NORTH OF PANAMA
23	22	47	48.5*	14.151	N	92.303	W	33	N	4.3		1.1	19	NEAR COAST OF CHIAPAS, MEXICO
23	23	05	02.2&	54.328	N	162.608	W	0	G				19	ALASKA PENINSULA. <AEIC>. ML 3.1 (AEIC).
23	23	19	57.6&	61.828	N	148.539	W	10					88	SOUTHERN ALASKA. <AEIC>. ML 3.6 (AEIC), 4.0 (PMR). Felt at Palmer and Sutton.
24	00	26	13.3*	33.259	S	72.439	W	20	G			0.5	13	OFF COAST OF CENTRAL CHILE. MD 4.3 (SAN).
24	00	47	56.3*	38.663	N	69.726	E	33	N	4.1		1.3	13	TAJIKISTAN
24	01	17	35.6	46.162	N	6.811	E	5	G			1.3	30	SWITZERLAND. ML 2.8 (LDG).
24	01	53	00.3?	41.01	S	174.27	E	33	N	4.4		0.6	7	COOK STRAIT, NEW ZEALAND. Felt at Wellington.
24	01	55	20.0*	30.275	N	96.808	E	33	N	4.7		0.9	17	XIZANG
24	02	37	47.7*	17.929	S	178.448	W	600	G	4.3		1.0	29	FIJI ISLANDS REGION
24	02	57	24.2*	30.271	N	97.111	E	33	N	4.7		1.0	15	XIZANG
24	03	18	38.3*	30.726	S	178.594	W	300	G	4.2		1.2	16	KERMADEC ISLANDS, NEW ZEALAND
24	03	33	49.9?	37.90	N	26.26	W	10	G			1.2	7	AZORES ISLANDS
24	03	41	15.7*	12.291	N	143.273	E	33	N	4.5		1.2	22	SOUTH OF MARIANA ISLANDS
24	04	29	57.4*	30.432	N	96.912	E	33	N	4.4		1.3	28	XIZANG
24	04	30	56.1%	30.244	N	97.215	E	33	N			1.4	9	XIZANG
24	04	35	48.7*	11.540	N	87.048	W	33	N	4.2		1.3	28	NEAR COAST OF NICARAGUA
24	04	36	39.7*	33.398	N	142.438	E	41	D	4.0		1.3	27	OFF EAST COAST OF HONSHU, JAPAN
24	04	48	58.0&	35.276	N	118.594	W	5					32	CENTRAL CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.4 (GS).
24	05	26	03.1*	14.405	N	93.198	W	33	N	4.1		1.1	28	NEAR COAST OF CHIAPAS, MEXICO
24	06	58	27.4*	10.504	N	126.402	E	33	N			0.9	9	PHILIPPINE ISLANDS REGION
24	06	59	52.8	13.336	N	87.767	W	33	N	4.1		1.4	17	HONDURAS. Felt (III) at San Salvador, El Salvador.
24	07	02	22.9*	24.109	S	179.913	E	500	G	4.3		0.8	14	SOUTH OF FIJI ISLANDS
24	07	05	23.5*	17.351	S	178.632	W	550	G	4.3		1.3	22	FIJI ISLANDS REGION
24	07	14	34.2&	37.121	N	120.126	W	15					9	CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM).
24	07	15	46.2*	52.263	N	159.700	E	33	N			0.5	12	OFF EAST COAST OF KAMCHATKA
24	07	36	54.7	0.717	S	124.185	E	60	*	4.7	4.4	1.3	62	SOUTHERN MOLUCCA SEA
24	07	47	11.9?	21.86	S	179.92	W	600	G	4.2		0.9	17	FIJI ISLANDS REGION
24	08	53	01.8*	32.077	N	59.829	E	10	G			0.9	13	NORTHERN IRAN
24	09	09	08.5&	60.212	N	152.263	W	90					36	SOUTHERN ALASKA. <AEIC>.
24	09	16	38.2*	36.432	N	71.043	E	33	N	3.9		0.4	9	AFGHANISTAN-TAJIKISTAN BORD REG.
24	09	24	51.3	39.508	N	76.879	E	67		4.9		0.8	82	SOUTHERN XINJIANG, CHINA. Mw 5.1 (HRV). Felt in Jiashi County. Centroid, Moment Tensor (HRV): Centroid origin time 09:24:51.2; Lat 39.80 N; Lon 77.18 E; Dep 33.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.45, Plg=4, Azm=299; (N) Val=-1.83, Plg=68, Azm=39; (P) Val=-4.62, Plg=22, Azm=207; Best double couple: Mo=5.5*10**16 Nm; NP1: Strike=345, Dip=72, Slip=-167; NP2: Strike=251, Dip=78, Slip=-18.
24	09	34	13.0	0.898	S	136.396	E	33	N	4.6		0.9	34	IRIAN JAYA REGION, INDONESIA
24	09	49	56.9*	13.579	N	121.086	E	33	N	4.6		0.9	17	MINDORO, PHILIPPINE ISLANDS
24	10	06	40.8*	39.270	N	76.702	E	33	N			1.4	11	SOUTHERN XINJIANG, CHINA
24	11	48	46.6&	40.469	N	121.553	W	4					13	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.2 (BRK).
24	11	55	21.0*	36.398	N	70.402	E	215	D	3.6		0.9	15	HINDU KUSH REGION, AFGHANISTAN
24	12	06	52.0	22.604	S	10.653	W	10	G	4.8	4.4	0.8	49	SOUTHERN MID-ATLANTIC RIDGE
24	13	18	44.4?	33.96	S	70.47	W	100	G			0.3	7	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
24	13	48	28.9%	40.729	N	22.755	E	5	G			0.3	8	GREECE. ML 4.0 (THE).
24	13	50	34.3	51.142	N	5.657	E	10	G			1.0	11	THE NETHERLANDS. ML 2.8 (LDG), 2.2 (DBN), 2.1 (UCC).
24	14	01	49.8*	28.522	N	139.280	E	476	*			0.9	15	BONIN ISLANDS REGION
24	14	09	16.2%	25.390	N	92.572	E	38	D			1.1	11	INDIA-BANGLADESH BORDER REGION
24	14	23	12.9&	48.377	N	119.885	W	8		3.9			63	WASHINGTON. <SEA-P>. MD 4.6 (SEA). Felt (V) at Conconully, Malott, Manson, Riverside, Tonasket and Winthrop; (IV) at Brewster, Bridgeport, Carlton, Colville Indian Reservation, Curlew, Electric City, Entiat, Grand Coulee, Keller, Methow, Nespelem, Northport, Okanogan, Republic, Twisp and Wilson Creek. Felt throughout a large area of north-central Washington and at Kamloops, Penticton and Trail, British

Columbia, Canada.

24	14	27	16.9&	65.146	N	148.497	W	11				16	NORTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
24	14	36	02.3&	48.360	N	119.886	W	4				36	WASHINGTON. <SEA-P>. MD 3.6 (SEA).
24	14	40	59.2&	49.237	N	123.621	W	3		4.4		99	VANCOUVER ISLAND REGION. <PGC-P>. ML 4.6 (PGC). Felt (IV) along the coast northwest of Vancouver and in the Ladysmith-Nanaimo area along the east coast of Vancouver Island. Felt from Campbell River to Victoria on Vancouver Island, in the greater Vancouver area and in the Fraser Valley as far east as Abbotsford. Also felt in the Port Angeles, Washington area.
24	14	54	27.6%	44.615	N	6.847	E	10	G		0.5	6	FRANCE. ML 2.2 (LDG).
24	15	09	49.8&	59.964	N	153.406	W	141				38	SOUTHERN ALASKA. <AEIC>.
24	15	48	29.4*	16.718	S	69.446	W	190		4.5	1.3	21	PERU-BOLIVIA BORDER REGION
24	15	53	48.5?	26.31	N	66.03	E	33	N		1.5	8	PAKISTAN
24	16	17	09.4	20.703	S	174.178	E	33	N	5.2 5.5	1.1	96	VANUATU ISLANDS REGION. Mw 5.9 (GS), 5.9 (HRV). Moment Tensor (GS): Dep 26; Principal axes (scale 10**17 Nm): (T) Val=7.86, Plg=4, Azm=272; (N) Val=-0.10, Plg=86, Azm=123; (P) Val=-7.76, Plg=2, Azm=2; Best double couple: Mo=7.8*10**17 Nm; NP1: Strike=47, Dip=86, Slip=1; NP2: Strike=317, Dip=89, Slip=176. Centroid, Moment Tensor (HRV): Centroid origin time 16:17:13.1; Lat 20.60 S; Lon 174.45 E; Dep 15.0 Fix; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=7.02, Plg=12, Azm=262; (N) Val=-0.45, Plg=78, Azm=90; (P) Val=-6.57, Plg=2, Azm=352; Best double couple: Mo=6.8*10**17 Nm; NP1: Strike=37, Dip=80, Slip=7; NP2: Strike=306, Dip=83, Slip=170.
24	16	21	00.7&	60.073	N	152.944	W	107		3.2		48	SOUTHERN ALASKA. <AEIC>.
24	16	35	47.5	44.463	N	10.460	E	10	G		0.9	30	NORTHERN ITALY. ML 3.4 (LDG), 3.4 (VIE).
24	17	45	08.4?	14.39	N	92.54	W	33	N	4.2	0.8	6	NEAR COAST OF CHIAPAS, MEXICO
24	17	53	15.9	26.430	N	96.150	E	33	N	4.2	1.0	24	MYANMAR
24	17	54	11.2	6.760	N	72.960	W	171		4.7	0.8	76	NORTHERN COLOMBIA. Felt at Bucaramanga.
24	20	14	41.1	51.641	N	16.243	E	5	G	4.4	0.9	31	POLAND. ML 4.3 (GRF), 4.0 (FUR), 4.0 (VIE).
24	20	27	39.4%	36.459	N	3.296	W	10	G		0.8	8	STRAIT OF GIBRALTAR. mbLg 3.4 (MDD).
24	20	30	54.8?	32.28	S	178.67	W	33	N	4.1	1.0	8	SOUTH OF KERMADEC ISLANDS
24	20	40	11.0&	47.580	N	122.550	W	8				8	WASHINGTON. <SEA-P>. MD 2.6 (SEA). Felt.
24	20	57	16.1%	44.356	N	7.304	E	5	G		0.3	6	NORTHERN ITALY. ML 1.9 (LDG).
24	22	00	22.1*	4.255	S	101.929	E	33	N	4.3	0.8	18	SOUTHERN SUMATERA, INDONESIA
24	23	04	53.1	1.924	S	127.899	E	33	N	5.9 6.1	1.0	212	HALMAHERA, INDONESIA. Mw 6.4 (HRV), 6.2 (GS). Me 6.4 (GS). Ms 6.1 (BRK). Broadband Source Parameters (GS): Dep 20; NP1: Strike=250, Dip=55, Slip=60; NP2: Strike=115, Dip=45, Slip=126; Radiated energy 1.0*10**14 Nm. Two events about 3.0 seconds apart. Depth based on first event. Moment Tensor (GS): Dep 15; Principal axes (scale 10**18 Nm): (T) Val=2.19, Plg=62, Azm=116; (N) Val=-0.02, Plg=28, Azm=297; (P) Val=-2.17, Plg=0, Azm=207; Best double couple: Mo=2.2*10**18 Nm; NP1: Strike=271, Dip=51, Slip=53; NP2: Strike=142, Dip=52, Slip=127. Centroid, Moment Tensor (HRV): Centroid origin time 23:04:58.0; Lat 1.83 S; Lon 127.94 E; Dep 19.5; Half-duration 3.8 sec; Principal axes (scale 10**18 Nm): (T) Val=3.70, Plg=68, Azm=87; (N) Val=0.88, Plg=16, Azm=314; (P) Val=-4.58, Plg=16, Azm=220; Best double couple: Mo=4.1*10**18 Nm; NP1: Strike=288, Dip=32, Slip=60; NP2: Strike=143, Dip=62, Slip=108.
24	23	53	18.9*	36.166	N	140.011	E	61			1.3	19	NEAR EAST COAST OF HONSHU, JAPAN
24	23	58	39.3*	0.998	N	126.947	E	33	N	4.3	1.3	14	NORTHERN MOLUCCA SEA
25	00	04	45.5*	2.273	S	138.356	E	33	N		0.4	7	IRIAN JAYA, INDONESIA
25	00	07	43.6*	22.308	S	174.355	W	124	D	4.6	1.3	20	TONGA ISLANDS REGION
25	00	10	52.1*	3.981	N	126.720	E	33	N		0.5	12	TALAUD ISLANDS, INDONESIA
25	00	19	42.0?	2.08	S	127.81	E	33	N		0.7	9	CERAM SEA
25	00	42	37.1%	32.170	N	60.009	E	10	G		1.3	8	NORTHERN IRAN
25	01	06	55.8&	56.925	N	154.386	W	20				20	KODIAK ISLAND REGION. <AEIC>. ML 3.1 (AEIC).
25	01	22	20.5*	34.536	N	69.345	E	33	N	4.9 4.5	1.5	68	AFGHANISTAN
25	01	38	44.8?	6.58	S	153.94	E	33	N		1.4	14	NEW BRITAIN REGION, P.N.G.
25	01	47	20.1*	16.054	S	172.982	W	33	N	4.8	1.2	56	SAMOA ISLANDS REGION
25	01	55	23.4*	2.221	N	125.992	E	33	N	4.7	1.2	24	TALAUD ISLANDS, INDONESIA
25	02	46	00.1	51.674	N	16.182	E	5	G		0.6	17	POLAND. ML 3.8 (GRF), 3.5 (VIE), 3.1 (CLL).
25	03	54	12.2	16.018	S	173.047	W	33	N	5.1 5.4	1.1	126	TONGA ISLANDS. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:54:17.7; Lat 15.98 S; Lon 172.45 W; Dep 15.0 Fix; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=6.36, Plg=66, Azm=306; (N) Val=-0.64, Plg=8, Azm=197; (P) Val=-5.72, Plg=23, Azm=104; Best double couple: Mo=6.0*10**17 Nm; NP1: Strike=177, Dip=23, Slip=68; NP2: Strike=21, Dip=68, Slip=99. Scalar Moment (PPT): Mo=1.2*10**18 Nm.
25	04	11	53.4?	32.08	S	69.57	W	150	G		0.3	9	MENDOZA PROVINCE, ARGENTINA. MD 3.1 (SAN).
25	04	16	07.6&	63.389	N	151.190	W	7				19	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
25	04	22	17.4	1.897	S	128.220	E	33	N	4.9	1.0	27	HALMAHERA, INDONESIA
25	04	38	25.2	12.258	S	166.660	E	100	D	5.0	1.1	55	SANTA CRUZ ISLANDS
25	06	05	03.6*	45.595	N	14.362	E	10	G		1.0	8	NORTHWESTERN BALKAN REGION. ML 2.9 (VIE), 2.5 (LJU).
25	06	40	41.2*	20.799	S	178.723	W	600	G		0.6	8	FIJI ISLANDS REGION
25	06	52	58.4	42.721	N	17.706	E	10	G		0.8	25	ADRIATIC SEA. ML 3.2 (LJU). Felt in the Dubrovnik area, Croatia.
[redacted]	07	13	13.2*	26.897	N	66.276	E	33	N	4.7	1.3	24	PAKISTAN
[redacted]	07	50	35.1?	52.50	S	26.20	E	10	G	4.1	1.1	6	SOUTH OF AFRICA
25	08	43	52.8*	36.120	N	22.406	E	33	N	4.1	0.7	7	SOUTHERN GREECE
25	09	18	35.9*	32.724	S	71.566	W	10	G		0.6	9	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
25	09	50	12.4	34.395	N	131.603	E	10	G	5.5 5.6	1.0	252	WESTERN HONSHU, JAPAN. Mw 5.9 (GS), 5.9 (HRV). One person slightly injured in Yamaguchi Prefecture. Felt (V JMA) in western Shimane and (IV JMA) in northern Hiroshima and

eastern Shimane Prefectures. A landslide occurred near Masuda.
Moment Tensor (GS): Dep 12; Principal axes (scale 10**17 Nm): (T) Val=8.86, Plg=5, Azm=6; (N) Val=0.52, Plg=80, Azm=129; (P) Val=-9.38, Plg=8, Azm=275; Best double couple: Mo=9.1*10**17 Nm; NP1: Strike=51, Dip=80, Slip=-178; NP2: Strike=321, Dip=88, Slip=-10.
Centroid, Moment Tensor (HRV): Centroid origin time 09:50:16.7; Lat 34.43 N; Lon 131.35 E; Dep 15.0 Bdy; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=7.28, Plg=17, Azm=2; (N) Val=-1.13, Plg=71, Azm=210; (P) Val=-6.15, Plg=8, Azm=94; Best double couple: Mo=6.7*10**17 Nm; NP1: Strike=139, Dip=72, Slip=6; NP2: Strike=47, Dip=84, Slip=162.

25	11	09	14.5?	14.24	S	167.56	E	33	N		1.5	7	VANUATU ISLANDS
25	11	33	46.9*	33.628	N	122.079	E	10	G		1.4	8	YELLOW SEA
25	11	38	21.3?	45.31	N	5.66	E	5	G		0.5	4	FRANCE. ML 2.1 (LDG).
25	12	05	30.4?	20.73	S	179.13	W	600	G		0.6	8	FIJI ISLANDS REGION
25	12	25	33.9*	41.554	N	142.068	E	75	?	3.6	1.6	11	HOKKAIDO, JAPAN REGION
25	12	39	16.3	36.126	S	52.594	E	10	G	5.0 4.6	1.0	37	SOUTHWEST INDIAN RIDGE. Mw 5.3 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 12:39:22.1; Lat 35.70 S; Lon 52.67 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.74, Plg=27, Azm=174; (N) Val=0.27, Plg=4, Azm=82; (P) Val=-1.01, Plg=62, Azm=344; Best double couple: Mo=8.8*10**16 Nm; NP1: Strike=275, Dip=18, Slip=-77; NP2: Strike=81, Dip=72, Slip=-94.

25	13	00	46.7	23.997	N	111.464	W	10	G	4.8 4.2	1.2	98	OFF W. COAST OF BAJA CALIFORNIA
25	13	01	17.9	43.338	N	146.335	E	59	D	4.7	0.9	35	KURIL ISLANDS
25	13	54	19.4&	59.377	N	153.370	W	111				28	SOUTHERN ALASKA. <AEIC>.
25	15	10	03.3*	34.642	N	26.202	E	33	N		0.9	10	CRETE
25	16	28	47.7*	1.948	S	128.094	E	33	N	4.4	1.1	20	HALMAHERA, INDONESIA
25	16	28	54.5*	33.808	N	137.539	E	341	*		1.1	11	NEAR S. COAST OF HONSHU, JAPAN
25	17	02	07.5%	43.743	N	6.324	E	5	G		0.4	6	NEAR SOUTH COAST OF FRANCE. ML 1.9 (LDG).
25	17	06	58.9&	63.879	N	148.836	W	115				23	CENTRAL ALASKA. <AEIC>.
25	17	10	37.8*	22.571	S	176.372	W	33	N		0.8	8	SOUTH OF FIJI ISLANDS
25	17	22	12.3	14.476	S	167.264	E	203	D	4.5	1.1	59	VANUATU ISLANDS
25	17	54	57.5	43.417	N	5.421	E	10	G		0.7	17	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR). Mining induced event in the Gardanne area.
25	18	50	21.1	35.820	N	129.189	E	10	G	4.7	1.3	42	SOUTH KOREA. Felt.
25	19	12	18.1?	10.08	N	126.86	E	33	N	4.6	1.2	7	PHILIPPINE ISLANDS REGION
25	19	33	38.6&	59.293	N	150.613	W	19				15	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
25	19	38	40.6	33.938	N	59.475	E	10	G	5.5 5.8	0.9	269	NORTHERN IRAN. Mw 5.9 (GS), 5.9 (HRV). Me 6.0 (GS). About 100 houses destroyed, 5,000 others damaged and some livestock killed in the Birjand-Qayen area.

Broadband Source Parameters (GS): Dep 12; NP1: Strike=0, Dip=83, Slip=177; NP2: Strike=90, Dip=87, Slip=7; Radiated energy 2.0*10**13 Nm.
Moment Tensor (GS): Dep 14; Principal axes (scale 10**17 Nm): (T) Val=8.23, Plg=8, Azm=318; (N) Val=-1.03, Plg=81, Azm=167; (P) Val=-7.20, Plg=4, Azm=49; Best double couple: Mo=7.7*10**17 Nm; NP1: Strike=93, Dip=81, Slip=3; NP2: Strike=3, Dip=87, Slip=171.
Centroid, Moment Tensor (HRV): Centroid origin time 19:38:45.6; Lat 34.04 N; Lon 59.43 E; Dep 15.0 Fix; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=7.36, Plg=21, Azm=138; (N) Val=0.08, Plg=68, Azm=302; (P) Val=-7.44, Plg=6, Azm=46; Best double couple: Mo=7.4*10**17 Nm; NP1: Strike=180, Dip=71, Slip=169; NP2: Strike=273, Dip=79, Slip=19.

25	19	58	18.9*	45.588	N	152.067	E	33	N		1.1	9	EAST OF KURIL ISLANDS
25	20	22	27.0*	13.070	N	121.176	E	33	N	4.8	1.2	19	MINDORO, PHILIPPINE ISLANDS
25	20	32	24.4*	39.950	N	29.617	W	10	G	4.3	0.8	13	AZORES ISLANDS
25	21	33	13.1*	30.323	S	177.904	W	200	G	4.1	1.0	15	KERMADEC ISLANDS, NEW ZEALAND
25	22	41	30.4%	44.117	N	7.090	E	5	G		0.3	5	NORTHERN ITALY. ML 1.9 (LDG).
26	00	08	51.8%	37.205	N	3.930	W	10	G		0.3	5	SPAIN. mbLg 2.0 (MDD).
26	00	24	10.4?	42.82	N	7.18	W	10	G		0.8	4	SPAIN. mbLg 3.1 (MDD). Felt (II) in the Sarria-Becerrea area.
26	00	27	11.0&	40.483	N	125.182	W	26				26	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. Mw 3.7 (BRK). ML 3.8 (BRK), 3.8 (GS). MD 3.4 (GM).

Scalar Moment (BRK): Mo=3.5*10**14 Nm.

26	01	11	23.4*	57.129	N	143.015	W	10	G		0.8	13	GULF OF ALASKA. ML 3.2 (AEIC).
26	01	31	10.2	2.027	N	79.846	W	33	N	4.4	0.6	17	SOUTH OF PANAMA
26	01	32	01.7	30.255	N	96.749	E	33	N	4.5	1.0	13	XIZANG
26	01	41	33.2*	54.490	N	162.548	E	33	N	4.4	0.9	13	NEAR EAST COAST OF KAMCHATKA
26	01	47	05.4*	17.134	S	173.210	W	33	N	4.3	1.3	12	TONGA ISLANDS
26	02	01	35.8&	31.762	N	115.770	W	2				22	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.1 (PAS). MD 3.8 (ECX). Felt in the epicentral area.
26	02	20	25.9	6.432	S	146.880	E	33	N	4.4	0.8	27	EASTERN NEW GUINEA REG., P.N.G.
26	03	04	39.7*	34.707	N	27.148	E	33	N	4.0	0.6	7	EASTERN MEDITERRANEAN SEA
26	03	32	12.7&	58.159	N	154.666	W	75				40	ALASKA PENINSULA. <AEIC>.
26	03	33	25.7%	47.208	N	6.695	E	5	G		1.4	8	FRANCE. ML 2.0 (LDG).
26	04	00	03.1	30.397	N	96.949	E	33	N		0.2	9	XIZANG
26	04	00	38.0%	36.385	N	3.158	W	10	G		0.8	8	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
26	04	16	23.3&	61.214	N	149.704	W	40				79	SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.4 (PMR). Felt (II) at Anchorage.
26	04	17	58.2?	18.29	S	177.82	W	100	G	4.3	0.8	11	FIJI ISLANDS REGION
26	05	08	05.5	4.094	S	102.151	E	33	N	5.1 4.6	1.0	81	SOUTHERN SUMATERA, INDONESIA
26	05	08	33.4%	43.679	N	147.261	E	33	N		0.6	7	KURIL ISLANDS
26	06	08	34.5	43.983	N	7.317	E	10	G		1.2	58	NEAR SOUTH COAST OF FRANCE. ML 3.6 (STR), 3.4 (LDG).
26	06	10	28.3%	43.902	N	7.307	E	10	G		0.7	8	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG).
26	06	11	15.6&	54.345	N	161.534	W	20				12	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
26	06	12	10.3	4.868	N	82.611	W	10	G	5.2 5.1	1.3	182	SOUTH OF PANAMA. Mw 5.8 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time

06:12:16.7; Lat 4.81 N; Lon 82.52 W; Dep 15.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.05, Plg=13, Azm=318; (N) Val=-0.04, Plg=75, Azm=111; (P) Val=-6.01, Plg=7, Azm=226; Best double couple: Mo=6.0*10**17 Nm; NP1: Strike=2, Dip=76, Slip=175; NP2: Strike=93, Dip=85, Slip=14.

26	07	15	30.3%	43.895	N	7.286	E	5	G		0.2	5	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
26	07	46	11.3%	34.089	N	59.456	E	33	N		1.4	10	NORTHERN IRAN
26	08	06	05.2	43.956	N	7.361	E	10	G		0.8	26	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG), 2.6 (STR).
26	09	15	53.9	1.968	S	128.079	E	33	N	4.5	0.9	24	HALMAHERA, INDONESIA
26	10	05	29.3*	13.040	N	88.575	W	100	G	4.4	1.1	24	EL SALVADOR
26	10	17	06.0*	45.177	N	150.327	E	33	N		1.0	12	KURIL ISLANDS
26	10	37	39.7*	51.333	N	16.359	E	5	G		0.9	8	POLAND. ML 3.5 (VIE).
26	12	06	04.6*	31.950	S	57.290	E	10	G	5.1 4.8	1.3	53	SOUTHWEST INDIAN RIDGE. Mw 5.4 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 12:06:04.8; Lat 31.68 S; Lon 57.74 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.23, Plg=36, Azm=214; (N) Val=0.13, Plg=9, Azm=310; (P) Val=-1.36, Plg=53, Azm=52; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=265, Dip=13, Slip=-136; NP2: Strike=131, Dip=81, Slip=-81.

26	12	22	59.9*	16.039	S	172.930	W	33	N	4.4	0.9	23	SAMOA ISLANDS REGION
26	12	47	03.5*	57.448	S	24.738	W	33	N	4.6	0.8	18	SOUTH SANDWICH ISLANDS REGION
26	13	42	29.6&	60.214	N	152.479	W	96				34	SOUTHERN ALASKA. <AEIC>.
26	13	56	03.8*	30.799	N	90.336	E	33	N		1.2	20	XIZANG
26	14	14	24.6?	6.31	S	149.86	E	33	N	3.6	1.5	6	NEW BRITAIN REGION, P.N.G.
26	14	51	11.3	44.805	N	7.851	E	5	G		1.0	20	NORTHERN ITALY. ML 2.8 (LDG), 2.5 (STR).
26	15	14	36.2?	44.06	N	4.68	E	10	G		0.3	5	FRANCE. ML 2.4 (LDG).
26	15	22	20.5?	9.94	N	121.80	E	33	N	4.1	1.5	10	SULU SEA
26	15	57	31.1*	29.466	N	68.720	E	33	N		1.0	14	PAKISTAN
26	16	09	09.9*	54.420	N	162.762	E	28	D	4.5	1.1	29	NEAR EAST COAST OF KAMCHATKA
26	17	53	15.1?	53.54	N	163.92	W	33	N		0.7	6	UNIMAK ISLAND REGION
26	17	55	30.9	36.613	N	89.641	W	10	G		0.4	9	NEW MADRID, MISSOURI REGION. mbLg 2.5 (GS).
26	17	56	49.5	22.981	S	66.592	W	220	*	4.3	1.2	34	JUJUY PROVINCE, ARGENTINA
26	18	11	18.3&	60.434	N	152.847	W	135				51	SOUTHERN ALASKA. <AEIC>.
26	18	21	47.7*	2.522	S	79.659	W	62	D	4.2	1.2	24	NEAR COAST OF ECUADOR
26	18	35	45.5?	49.74	S	115.09	W	10	G	4.0	0.8	8	SOUTHERN EAST PACIFIC RISE
26	19	18	19.7?	1.89	S	99.93	E	33	N	4.2	1.1	11	SOUTHERN SUMATERA, INDONESIA
26	19	21	08.8	49.692	S	114.570	W	10	G	5.4 6.0	1.4	128	SOUTHERN EAST PACIFIC RISE. Mw 6.3 (GS), 6.2 (HRV).

Moment Tensor (GS): Dep 7; Principal axes (scale 10**18 Nm): (T) Val=2.71, Plg=1, Azm=332; (N) Val=0.25, Plg=82, Azm=236; (P) Val=-2.96, Plg=8, Azm=62; Best double couple: Mo=2.8*10**18 Nm; NP1: Strike=107, Dip=84, Slip=-5; NP2: Strike=197, Dip=85, Slip=-174.

Centroid, Moment Tensor (HRV): Centroid origin time 19:21:16.7; Lat 49.81 S; Lon 115.06 W; Dep 15.0 Fix; Half-duration 2.8 sec; Principal axes (scale 10**18 Nm): (T) Val=2.08, Plg=8, Azm=325; (N) Val=0.05, Plg=82, Azm=159; (P) Val=-2.12, Plg=2, Azm=55; Best double couple: Mo=2.1*10**18 Nm; NP1: Strike=100, Dip=83, Slip=4; NP2: Strike=10, Dip=86, Slip=173.

Scalar Moment (PPT): Mo=4.6*10**18 Nm.

26	19	25	38.1&	62.084	N	149.812	W	50				28	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
26	19	33	06.9?	49.48	S	115.17	W	10	G	4.5	1.4	11	SOUTHERN EAST PACIFIC RISE
26	20	20	28.1&	62.990	N	150.385	W	101				34	CENTRAL ALASKA. <AEIC>.
26	21	35	33.5*	36.689	N	141.267	E	47	D		1.2	22	NEAR EAST COAST OF HONSHU, JAPAN
26	21	52	06.6%	39.476	N	0.602	W	10	G		0.9	6	SPAIN. mbLg 2.8 (MDD).
26	23	00	13.3?	27.06	S	177.33	W	33	N	4.5	0.7	12	KERMADEC ISLANDS REGION
26	23	23	17.1*	44.746	N	148.977	E	33	N		0.9	15	KURIL ISLANDS
26	23	27	11.0	2.975	S	136.908	E	33	N	5.0	1.0	46	IRIAN JAYA REGION, INDONESIA
26	23	40	05.9?	19.04	S	69.51	W	149	?		1.1	7	NORTHERN CHILE
27	01	23	59.9	8.440	N	93.142	E	100	G	4.7	1.1	45	NICOBAR ISLANDS, INDIA
27	01	39	07.2*	13.467	S	166.309	E	33	N	4.4	1.3	15	VANUATU ISLANDS
27	01	39	22.5&	48.365	N	119.894	W	0				27	WASHINGTON. <SEA-P>. MD 2.7 (SEA).
27	01	46	16.0&	37.465	N	118.785	W	12				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK).
27	02	22	57.8	17.304	N	94.268	W	133	D	4.5	1.0	50	CHIAPAS, MEXICO
27	03	11	31.3	39.292	N	130.447	E	563		4.3	1.1	65	SEA OF JAPAN
27	04	22	17.2%	43.942	N	7.260	E	5	G		1.3	9	NEAR SOUTH COAST OF FRANCE. ML 2.3 (LDG).
27	04	39	52.7	38.334	N	26.684	W	10	G	5.6 5.4	1.1	296	AZORES ISLANDS. Mw 5.9 (GS), 5.9 (HRV), 5.8 (CSEM).

Moment Tensor (GS): Dep 5; Principal axes (scale 10**17 Nm): (T) Val=6.98, Plg=28, Azm=224; (N) Val=-0.36, Plg=17, Azm=323; (P) Val=-6.62, Plg=56, Azm=80; Best double couple: Mo=6.8*10**17 Nm; NP1: Strike=277, Dip=23, Slip=-139; NP2: Strike=148, Dip=75, Slip=-72.

Centroid, Moment Tensor (HRV): Centroid origin time 04:39:58.6; Lat 38.40 N; Lon 26.52 W; Dep 15.0 Bdy; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=7.60, Plg=11, Azm=225; (N) Val=-0.32, Plg=12, Azm=318; (P) Val=-7.27, Plg=74, Azm=92; Best double couple: Mo=7.4*10**17 Nm; NP1: Strike=301, Dip=35, Slip=-111; NP2: Strike=145, Dip=57, Slip=-76.

Moment Tensor (CSEM): Dep 10; Principal axes: (T) Plg=19, Azm=10; (N) Plg=14, Azm=105; (P) Plg=66, Azm=230; Best double couple: Mo=6.3*10**17 Nm; NP1: Strike=77, Dip=29, Slip=-121; NP2: Strike=291, Dip=65, Slip=-74.

	04	59	44.5&	57.318	N	153.679	W	10	G			27	KODIAK ISLAND REGION. <AEIC>. ML 3.3 (AEIC).
	05	17	13.5?	73.39	N	7.82	E	10	G	4.3	1.7	16	GREENLAND SEA
27	05	30	49.0&	47.600	N	122.580	W	2				11	WASHINGTON. <SEA-P>. MD 3.1 (SEA). Felt.
27	06	07	35.6&	40.436	N	124.714	W	12				4	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK), 3.0 (GS).
27	07	10	59.5&	60.158	N	140.987	W	7				22	SOUTHEASTERN ALASKA. <AEIC>. ML 3.0 (AEIC).
27	09	03	36.8*	16.081	N	120.346	E	33	N	4.2	1.0	18	LUZON, PHILIPPINE ISLANDS

27	09	27	40.1&	37.003	N	5.420	W	5	G		0.7	11	SPAIN. mbLg 3.0 (MDD).
27	09	35	35.4	52.982	N	142.845	E	33	N	4.2	0.9	24	SAKHALIN ISLAND
27	10	01	20.1&	61.512	N	149.343	W	38				106	SOUTHERN ALASKA. <AEIC>. ML 4.0 (AEIC), 3.9 (PMR). Felt (IV) at Anchorage, Eagle River and Palmer. Also felt at Chugiak and Fort Richardson.
27	10	34	28.2?	28.57	S	177.74	W	33	N	4.0	1.4	11	KERMADEC ISLANDS REGION
27	10	47	49.0&	47.580	N	122.550	W	1				17	WASHINGTON. <SEA-P>. MD 3.9 (SEA). Felt.
27	11	49	19.2*	30.321	N	96.811	E	33	N	4.2	1.1	16	XIZANG
27	12	58	07.2&	44.519	N	7.701	E	5	G		0.3	7	NORTHERN ITALY. ML 2.5 (LDG).
27	13	23	53.7&	61.466	N	150.028	W	40				27	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 2.7 (PMR).
27	13	46	25.2&	60.223	N	150.327	W	51				24	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
27	14	06	20.3&	33.263	N	116.006	W	3				23	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.4 (GS).
27	15	20	18.5&	35.239	N	116.918	W	3				5	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
27	15	49	16.0*	23.740	S	170.792	E	29	D	4.4	1.2	12	LOYALTY ISLANDS REGION
27	15	53	32.1	21.741	N	121.555	E	44	D	4.6	0.9	37	TAIWAN REGION
27	16	37	07.3?	26.69	N	92.74	E	33	N		0.9	8	NORTHEASTERN INDIA
27	17	14	27.0?	32.37	S	71.89	W	30	G		0.7	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
27	17	23	54.3	38.285	N	26.760	W	10	G	4.9 4.4	1.2	131	AZORES ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:23:57.6; Lat 38.26 N; Lon 26.16 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.96, Plg=27, Azm=236; (N) Val=0.51, Plg=23, Azm=338; (P) Val=-6.47, Plg=54, Azm=102; Best double couple: Mo=6.2*10**16 Nm; NP1: Strike=284, Dip=27, Slip=-147; NP2: Strike=164, Dip=76, Slip=-67.
27	18	04	19.1&	36.677	N	6.926	W	33	N		0.8	8	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
27	18	29	26.6	43.598	N	10.915	E	10	G		0.9	19	CENTRAL ITALY. ML 2.9 (STR), 2.8 (LDG).
27	18	48	18.8&	60.068	N	153.015	W	116				29	SOUTHERN ALASKA. <AEIC>.
27	19	00	35.2	45.751	N	7.463	E	5	G		0.9	40	NORTHERN ITALY. ML 3.1 (STR), 2.9 (LDG).
27	19	08	28.8?	43.47	N	10.62	E	10	G		0.5	10	CENTRAL ITALY. ML 2.8 (STR), 2.5 (LDG).
27	19	18	25.9*	43.477	N	11.260	E	10	G		0.6	19	CENTRAL ITALY. ML 2.9 (LDG), 2.8 (STR).
27	20	17	45.8&	35.442	N	118.311	W	6				15	CENTRAL CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.7 (GS). Felt at Lake Isabella.
27	20	46	25.5*	51.690	N	16.165	E	5	G		1.2	9	POLAND. ML 3.3 (VIE), 2.7 (CLL).
27	21	24	35.3	0.709	S	124.187	E	33	N	4.6	1.1	33	SOUTHERN MOLUCCA SEA
27	22	28	47.1?	38.69	N	27.04	W	10	G	4.5	1.1	9	AZORES ISLANDS
27	22	31	10.9*	6.433	S	133.278	E	33	N	4.3	1.1	15	ARU ISLANDS REGION, INDONESIA
27	22	32	18.0?	38.25	N	26.87	W	10	G		0.9	6	AZORES ISLANDS
27	23	07	20.2	28.402	N	104.903	E	33	N	4.5	1.0	18	SICHUAN, CHINA. ML 4.2 (BJI).
27	23	26	29.9?	43.46	N	11.37	E	10	G		0.8	8	CENTRAL ITALY. ML 2.6 (LDG).
28	00	13	25.1*	45.312	N	14.628	E	10	G		1.1	9	NORTHWESTERN BALKAN REGION. ML 2.7 (VIE), 2.1 (LJU).
28	01	23	44.8	6.747	S	129.794	E	100	G	4.6	0.9	22	BANDA SEA
28	01	29	00.1	34.894	N	25.556	E	33	N	4.1	1.3	23	CRETE
28	01	49	42.1*	51.467	N	16.323	E	5	G		0.5	5	POLAND. ML 3.1 (VIE).
28	01	54	59.3*	38.204	N	27.088	W	10	G		1.5	17	AZORES ISLANDS
28	02	23	52.4*	33.940	N	82.597	E	33	N	4.5	0.9	18	XIZANG
28	02	44	58.6	47.612	N	12.509	E	5	G		1.1	75	AUSTRIA. ML 3.7 (STR), 3.7 (VIE), 3.5 (GRF), 3.5 (CLL), 3.4 (FUR). Felt (IV) at Zell-am-See.
28	03	02	37.7	47.502	N	115.815	W	2	G		0.4	43	MONTANA. ML 3.1 (GS), 3.4 (BUT). Rockburst at the Lucky Friday Mine near Mullan, Idaho. Felt at Mullan, Osburn and Wallace, Idaho.
28	03	15	09.2	41.657	N	144.614	E	33	N	4.6	1.0	42	HOKKAIDO, JAPAN REGION
28	03	35	30.6?	26.50	S	27.33	E	33	N		1.7	10	REPUBLIC OF SOUTH AFRICA
28	04	23	54.5&	31.497	S	71.153	W	10	G		0.3	12	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
28	04	52	06.8?	42.78	N	7.28	W	10	G		1.5	4	SPAIN. mbLg 2.6 (MDD). Felt (II) in the Sarria-Becerrea area.
28	04	53	07.9?	42.85	N	7.38	W	10	G		0.6	4	SPAIN. mbLg 3.2 (MDD). Felt (II) in the Sarria-Becerrea area.
28	04	53	53.1?	42.65	N	7.23	W	10	G		1.0	4	SPAIN. mbLg 3.1 (MDD). Felt (II) in the Sarria-Becerrea area.
28	04	54	44.1?	42.80	N	7.34	W	10	G		1.1	4	SPAIN. mbLg 3.5 (MDD). Felt (II) in the Sarria-Becerrea area.
28	04	54	55.3?	42.91	N	7.15	W	10	G		0.3	4	SPAIN. mbLg 3.6 (MDD). Felt (II) in the Sarria-Becerrea area.
28	04	58	02.1&	59.986	N	153.635	W	151		3.3		43	SOUTHERN ALASKA. <AEIC>.
28	05	54	43.8*	28.510	N	143.239	E	39	D	4.4	1.2	26	BONIN ISLANDS REGION
28	05	59	05.1?	28.30	N	143.60	E	39	D	3.9	1.5	8	BONIN ISLANDS REGION
28	06	19	29.2	16.008	S	173.148	W	33	N	4.7 4.3	1.1	71	TONGA ISLANDS
28	06	45	01.0	41.802	N	48.202	E	54	*	4.3	1.3	23	EASTERN CAUCASUS
28	06	53	58.2&	59.438	N	152.808	W	100				29	SOUTHERN ALASKA. <AEIC>.
28	08	01	47.0?	31.65	S	70.07	W	140	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
28	08	04	16.2*	34.099	N	26.220	E	33	N		0.7	12	CRETE
28	08	05	37.4	23.824	S	179.758	W	500	G	5.0	1.3	83	SOUTH OF FIJI ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:05:46.5; Lat 23.56 S; Lon 179.98 W; Dep 515.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.03, Plg=2, Azm=77; (N) Val=0.59, Plg=20, Azm=346; (P) Val=-7.61, Plg=70, Azm=172; Best double couple: Mo=7.3*10**16 Nm; NP1: Strike=186, Dip=47, Slip=-62; NP2: Strike=329, Dip=50, Slip=-116.
28	08	35	06.4&	66.145	N	148.972	W	34				45	NORTHERN ALASKA. <AEIC>. ML 3.8 (AEIC), 3.9 (PMR).
28	09	36	31.1*	35.617	N	140.234	E	67	*		1.0	11	NEAR EAST COAST OF HONSHU, JAPAN
28	09	51	35.7*	36.241	N	71.483	E	118	*	4.2	1.1	22	AFGHANISTAN-TAJIKISTAN BORD REG.
28	10	01	25.1*	31.615	S	68.460	W	107	*	4.0	1.0	27	SAN JUAN PROVINCE, ARGENTINA
28	10	37	33.4*	18.477	S	168.952	E	100	G	4.0	1.3	19	VANUATU ISLANDS
28	10	59	07.4	42.927	N	7.035	W	10	G		1.3	18	SPAIN. mbLg 3.6 (MDD). ML 3.2 (LDG). Felt (III) in the Sarria-Becerrea area.
28	11	38	51.6*	52.025	N	173.373	E	33	N	3.9	0.6	16	NEAR ISLANDS, ALEUTIAN ISLANDS
28	11	57	14.8*	27.962	N	142.803	E	33	N	4.1	1.6	16	BONIN ISLANDS REGION
28	12	31	59.2*	51.208	N	179.239	W	33	N	4.1	0.7	18	ANDREANOF ISLANDS, ALEUTIAN IS.
28	13	31	44.8	38.276	N	26.812	W	10	G	4.8	1.2	141	AZORES ISLANDS
28	13	32	03.0	38.323	N	26.806	W	10	G	4.9 4.6	0.9	67	AZORES ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:32:03.1; Lat 38.41 N; Lon 26.64 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.31, Plg=1, Azm=243; (N) Val=-1.13, Plg=2, Azm=153; (P) Val=-5.19, Plg=88, Azm=1; Best double couple: Mo=5.8*10**16 Nm; NP1: Strike=335, Dip=44, Slip=-87; NP2:

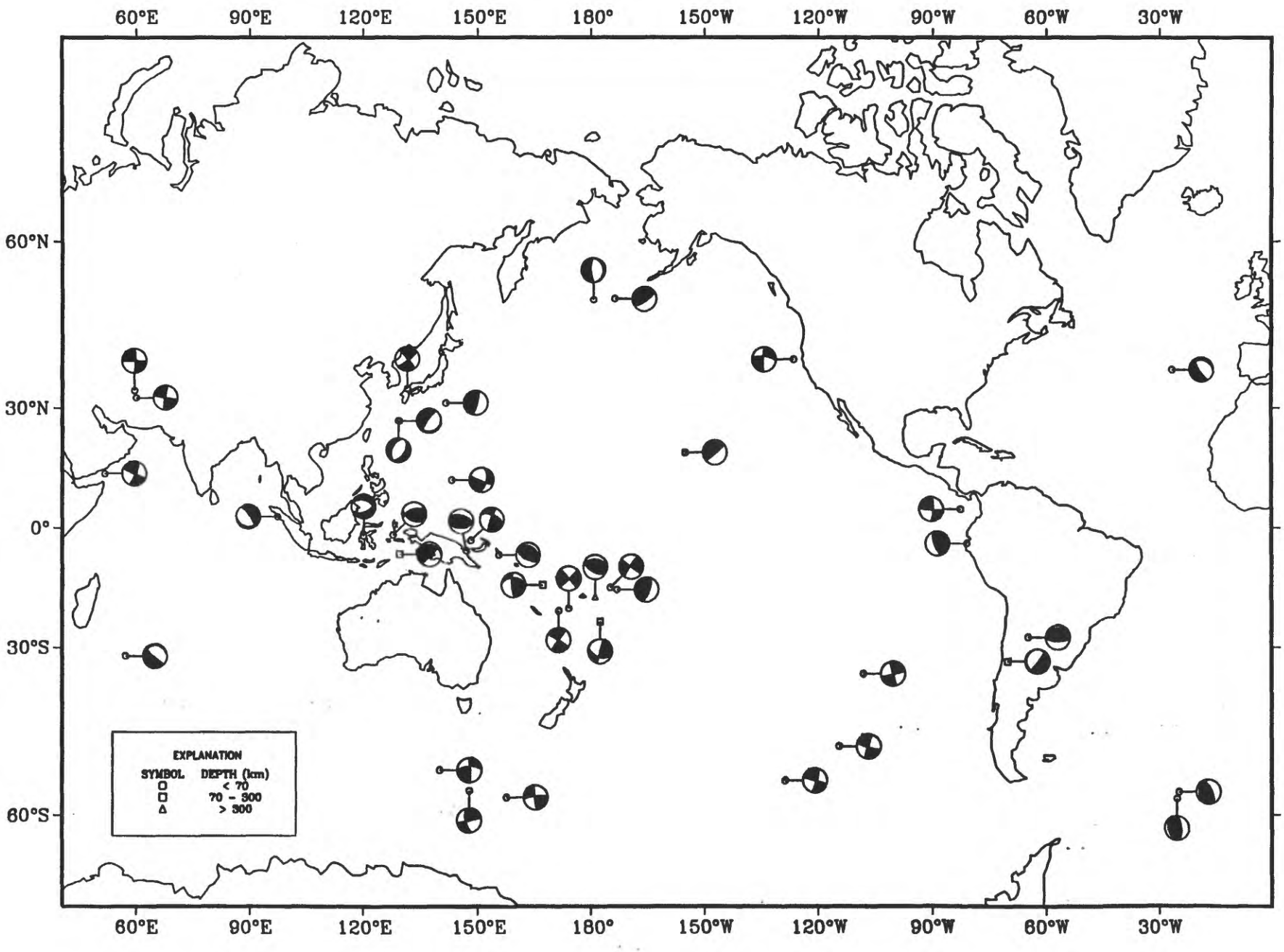
Strike=151, Dip=46, Slip=-92.

28	14	05	21.8	38.338	N	26.739	W	10	G	4.5	1.1	42	AZORES ISLANDS
28	14	06	26.1	38.265	N	26.716	W	10	G	4.7 4.1	1.1	52	AZORES ISLANDS
28	14	12	51.6	39.728	N	118.067	W	5	G		0.8	13	NEVADA. ML 3.5 (GS).
28	15	14	28.1*	54.924	S	129.027	W	10	G	4.4	1.5	19	PACIFIC-ANTARCTIC RIDGE
28	15	17	19.8	44.709	N	10.057	E	10	G		0.9	42	NORTHERN ITALY. ML 3.3 (STR), 3.2 (LDG), 3.0 (VIE).
28	16	24	51.6	4.845	S	153.119	E	33	N	4.7 4.5	1.0	58	NEW IRELAND REGION, P.N.G.
28	17	29	56.4&	59.899	N	153.460	W	140				41	SOUTHERN ALASKA. <AEIC>.
28	17	29	57.9?	17.67	S	178.78	W	600	G	4.2	0.6	12	FIJI ISLANDS REGION
28	18	45	15.1*	37.431	N	141.874	E	33	N		1.5	10	NEAR EAST COAST OF HONSHU, JAPAN
28	19	50	53.0	51.669	N	16.168	E	5	G		0.7	26	POLAND. ML 4.0 (GRF), 3.7 (VIE), 3.3 (CLL).
28	20	36	08.9	44.362	N	110.811	W	5	G		1.3	23	YELLOWSTONE REGION, WYOMING. ML 3.8 (GS), 3.5 (BUT).
28	20	48	52.5?	6.66	S	130.32	E	200	G	4.2	1.5	8	BANDA SEA
28	21	40	46.7&	64.385	N	147.966	W	20				23	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
28	21	45	25.1&	34.168	N	117.337	W	9		4.1		48	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.2 (PAS). Felt at Colton, Rialto, San Bernardino and in the San Bernardino Mountains. Felt as far as Hesperia and Pasadena.
28	21	56	31.7?	31.96	S	179.75	E	400	G	3.9	0.6	9	KERMADEC ISLANDS REGION
28	22	09	04.7?	31.83	S	69.99	W	140	G		0.4	10	SAN JUAN PROVINCE, ARGENTINA. MD 2.5 (SAN).
28	22	15	08.4?	36.74	N	4.01	W	10	G		0.3	4	STRAIT OF GIBRALTAR. mbLg 2.2 (MDD).
28	22	44	44.3&	54.026	N	164.775	W	72				14	UNIMAK ISLAND REGION. <AEIC>.
28	23	30	47.1%	33.793	S	70.825	W	80	G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
29	00	41	39.9*	19.238	S	173.302	W	33	N	4.7	1.1	33	TONGA ISLANDS
29	01	32	56.1?	32.53	S	71.72	W	50	G		0.3	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
29	03	09	43.2&	60.772	N	147.286	W	21				25	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
29	03	31	34.7	35.910	N	68.637	E	33	N	4.3	1.0	26	HINDU KUSH REGION, AFGHANISTAN
29	03	51	34.6*	25.002	S	179.234	E	600	G	3.9	1.2	21	SOUTH OF FIJI ISLANDS
29	03	54	00.7	38.202	N	26.710	W	10	G	4.4	0.8	42	AZORES ISLANDS
29	03	58	48.8	4.207	N	126.041	E	150	G	4.9	1.0	37	TALAUD ISLANDS, INDONESIA
29	04	22	37.2	38.350	N	26.794	W	10	G	4.5 4.0	1.2	40	AZORES ISLANDS
29	04	26	38.2*	46.219	N	152.877	E	33	N	4.6	1.0	18	KURIL ISLANDS
29	06	33	28.1*	21.241	S	69.555	W	100	G		1.1	8	NORTHERN CHILE
29	07	11	28.5	38.345	N	73.777	E	150	G	4.3	1.1	22	TAJIKISTAN-XINJIANG BORDER REG.
29	08	24	51.9*	26.430	S	27.252	E	33	N		1.2	11	REPUBLIC OF SOUTH AFRICA
29	09	34	39.1	5.751	S	152.482	E	33	N	4.4	0.9	27	NEW BRITAIN REGION, P.N.G.
29	09	55	27.5?	31.51	S	69.27	W	180	G		0.4	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.3 (SAN).
29	10	08	35.0*	5.811	S	146.613	E	100	G	3.9	1.2	15	EASTERN NEW GUINEA REG., P.N.G.
29	10	13	32.9*	28.276	N	143.630	E	33	N	4.4	1.5	13	BONIN ISLANDS REGION
29	10	49	40.9	45.281	N	26.778	E	33	N		0.5	6	ROMANIA
29	11	34	40.6	46.515	N	7.928	E	5	G		1.2	11	SWITZERLAND. ML 2.5 (STR), 2.3 (LDG).
29	12	33	23.1?	16.68	N	93.92	W	33	N	4.0	1.1	9	CHIAPAS, MEXICO
29	13	58	24.9*	36.714	N	71.395	E	100	G	4.1	0.7	9	AFGHANISTAN-TAJIKISTAN BORD REG.
29	16	29	06.7*	36.159	S	100.695	W	10	G	4.6	0.9	17	SOUTHERN PACIFIC OCEAN
29	17	22	39.1	14.885	S	167.323	E	151	D	4.9	1.2	147	VANUATU ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:22:44.6; Lat 14.68 S; Lon 167.17 E; Dep 138.8; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.39, Plg=43, Azm=121; (N) Val=-0.39, Plg=38, Azm=344; (P) Val=-1.00, Plg=23, Azm=235; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=278, Dip=41, Slip=18; NP2: Strike=174, Dip=78, Slip=129.
29	18	50	26.6?	21.74	S	169.18	E	33	N		0.8	8	LOYALTY ISLANDS REGION
29	19	16	48.2%	6.378	S	146.850	E	33	N		0.7	6	EASTERN NEW GUINEA REG., P.N.G.
29	20	02	53.8	6.920	S	129.726	E	100	G	5.6	0.9	232	BANDA SEA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:03:04.9; Lat 6.71 S; Lon 130.16 E; Dep 158.9; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.74, Plg=54, Azm=290; (N) Val=-0.57, Plg=19, Azm=49; (P) Val=-1.17, Plg=29, Azm=150; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=281, Dip=24, Slip=144; NP2: Strike=44, Dip=76, Slip=70.
29	20	25	17.6	17.187	N	145.349	E	308	D	4.8	0.9	101	MARIANA ISLANDS
29	21	21	30.5*	27.970	N	139.886	E	450	G	4.1	0.9	25	BONIN ISLANDS REGION
29	21	34	04.1*	7.777	S	158.923	E	33	N		1.3	7	SOLOMON ISLANDS
29	22	16	21.6*	10.603	S	165.705	E	100	G		0.6	6	SANTA CRUZ ISLANDS
29	22	30	57.3*	33.839	N	141.769	E	33	N		1.0	11	OFF EAST COAST OF HONSHU, JAPAN
29	23	34	14.4*	13.318	N	44.683	W	10	G	4.5	1.2	13	NORTHERN MID-ATLANTIC RIDGE
30	00	14	14.4?	57.48	S	146.20	E	10	G	4.1	1.5	9	WEST OF MACQUARIE ISLAND
30	00	15	42.7?	32.41	S	71.70	W	10	G		0.7	10	NEAR COAST OF CENTRAL CHILE. MD 3.0 (SAN).
30	01	05	31.2&	34.971	N	116.813	W	1				33	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.3 (GS).
30	01	28	56.2&	34.972	N	116.815	W	1				30	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
30	01	58	29.1	52.344	N	170.693	W	61	*	4.0	0.9	23	FOX ISLANDS, ALEUTIAN ISLANDS
30	02	57	29.5*	35.500	N	140.371	E	55	D	4.3	1.3	15	NEAR EAST COAST OF HONSHU, JAPAN
30	04	40	40.5*	39.833	N	76.643	E	33	N	4.6	1.2	18	SOUTHERN XINJIANG, CHINA
30	04	57	04.9*	38.505	N	26.440	W	10	G	4.5	1.3	27	AZORES ISLANDS
30	05	07	19.0	51.652	N	16.156	E	5	G		1.2	10	POLAND. ML 3.4 (VIE).
30	05	37	10.3?	42.64	N	128.83	W	10	G		0.3	28	OFF COAST OF OREGON
30	07	13	46.7&	60.235	N	152.435	W	94				30	SOUTHERN ALASKA. <AEIC>.
30	07	17	20.5&	61.418	N	151.984	W	7				32	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
30	07	39	22.9	20.530	S	178.271	W	550	G	4.6	0.9	44	FIJI ISLANDS REGION
30	07	41	32.8	21.449	S	66.634	W	240	D	4.6	1.3	101	SOUTHERN BOLIVIA
30	08	12	12.3%	43.427	N	5.412	E	10	G		0.7	16	NEAR SOUTH COAST OF FRANCE. ML 2.9 (STR). Mining induced event in the Gardanne area.
30	09	07	57.7	24.457	S	69.326	W	80	D	4.8	1.2	88	NORTHERN CHILE. Felt (III) at Antofagasta, Mejillones and Taltal.
30	09	47	52.6*	20.175	S	176.969	W	199	D	3.8	0.9	19	FIJI ISLANDS REGION
30	11	10	07.8%	45.921	N	16.086	E	10	G		0.4	5	NORTHWESTERN BALKAN REGION. ML 1.8 (LJU). Felt at Cucerje and Prepustovec, Croatia.
30	12	26	19.6*	43.123	N	127.173	W	10	G	2.9	0.6	24	OFF COAST OF OREGON
30	12	26	32.6	32.325	S	178.003	W	33	N	4.9 5.2	1.2	55	SOUTH OF KERMADEC ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:26:35.4; Lat 32.05 S; Lon 177.40 W; Dep 38.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)

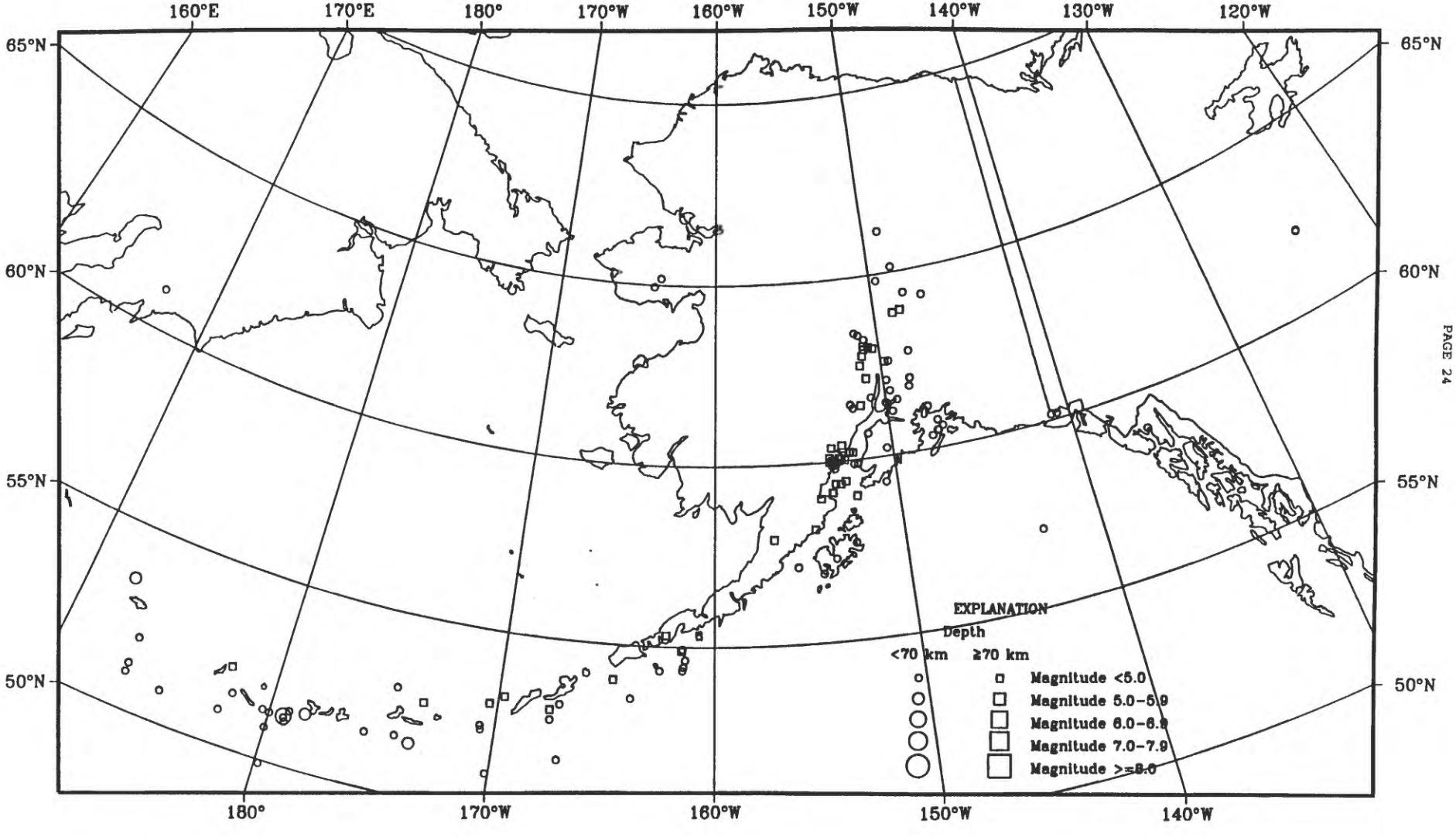
													Val=5.25, Plg=70, Azm=317; (N) Val=2.68, Plg=10, Azm=200; (P) Val=-7.93, Plg=17, Azm=107; Best double couple: Mo=6.6*10**16 Nm; NP1: Strike=182, Dip=29, Slip=70; NP2: Strike=25, Dip=63, Slip=101.
30	12	55	27.6&	33.585	S	70.897	W	80	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
30	13	46	32.9*	29.816	S	179.399	W	400	G	3.9	0.6	10	KERMADEC ISLANDS REGION
30	14	00	17.7?	0.03	N	126.19	E	33	N	4.2	0.7	10	NORTHERN MOLUCCA SEA
30	14	32	47.6*	14.517	S	172.451	W	24	D	4.5	1.0	14	SAMOA ISLANDS
30	14	38	32.8	0.002	N	123.632	E	139	D	4.6	1.2	57	MINAHASSA PENINSULA, SULAWESI
30	14	41	16.8*	23.970	S	70.367	W	33	N	4.7	1.2	13	NEAR COAST OF NORTHERN CHILE
30	15	47	39.5&	19.358	N	155.068	W	8		5.3 5.0		200	HAWAII. <HVO-P>. Mw 5.7 (HRV). Slight damage and temporary power outages occurred in the Hilo and Puna areas. Felt throughout the Island of Hawaii. Centroid, Moment Tensor (HRV): Centroid origin time 15:47:45.2; Lat 19.23 N; Lon 154.92 W; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.52, Plg=52, Azm=317; (N) Val=0.42, Plg=2, Azm=49; (P) Val=-3.94, Plg=38, Azm=141; Best double couple: Mo=3.7*10**17 Nm; NP1: Strike=243, Dip=7, Slip=104; NP2: Strike=49, Dip=83, Slip=88. Scalar Moment (PPT): Mo=3.7*10**17 Nm.
30	15	58	46.8*	51.070	N	15.781	E	5	G		1.1	5	POLAND. ML 3.1 (VIE).
30	15	59	03.0?	30.10	N	57.26	E	33	N	4.0	1.1	7	NORTHERN IRAN
30	17	07	53.6	0.026	S	126.046	E	33	N	4.6	0.8	31	SOUTHERN MOLUCCA SEA
30	17	09	33.6	27.960	S	66.725	W	152	*	4.1	1.1	31	CATAMARCA PROVINCE, ARGENTINA
30	18	10	33.3&	33.175	N	115.596	W	4				3	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
30	18	13	26.5?	1.86	S	128.23	E	33	N	3.4	0.5	6	HALMAHERA, INDONESIA
30	18	34	09.7?	0.03	N	126.26	E	33	N	4.5	0.9	10	NORTHERN MOLUCCA SEA
30	18	40	03.3?	0.06	N	126.39	E	33	N	4.2	1.4	11	NORTHERN MOLUCCA SEA
30	18	56	27.4	4.161	S	80.926	W	33	N	5.3 5.3	0.9	227	PERU-ECUADOR BORDER REGION. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:56:31.2; Lat 4.40 S; Lon 81.12 W; Dep 35.9; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=6.39, Plg=64, Azm=56; (N) Val=-0.18, Plg=7, Azm=161; (P) Val=-6.22, Plg=24, Azm=255; Best double couple: Mo=6.3*10**17 Nm; NP1: Strike=0, Dip=22, Slip=110; NP2: Strike=159, Dip=70, Slip=82.
30	19	25	10.8?	0.02	S	126.12	E	33	N	4.1	1.0	10	SOUTHERN MOLUCCA SEA
30	20	35	03.4*	28.469	N	143.246	E	39	D	4.2	1.0	10	BONIN ISLANDS REGION
30	21	48	46.7	36.634	N	31.413	E	124		4.5	1.1	124	TURKEY
30	21	56	48.5*	26.859	N	140.238	E	467		3.9	0.9	25	BONIN ISLANDS REGION
30	22	10	29.7?	5.28	S	140.72	E	33	N	3.7	1.5	7	IRIAN JAYA, INDONESIA
30	22	35	27.0	39.680	N	118.066	W	5	G		1.3	11	NEVADA. ML 3.5 (GS).
30	22	36	40.2?	19.75	S	169.32	E	33	N	4.3	1.1	9	VANUATU ISLANDS
30	23	00	10.6	24.732	S	179.776	E	500	G	4.7	1.0	54	SOUTH OF FIJI ISLANDS
30	23	10	03.5?	26.53	N	127.52	E	33	N	4.3	1.3	6	RYUKYU ISLANDS
30	23	22	34.2	15.663	N	95.789	E	33	N	4.6	0.8	25	NEAR SOUTH COAST OF MYANMAR
30	23	41	31.2?	34.91	S	71.04	W	100	G		0.3	11	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).

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

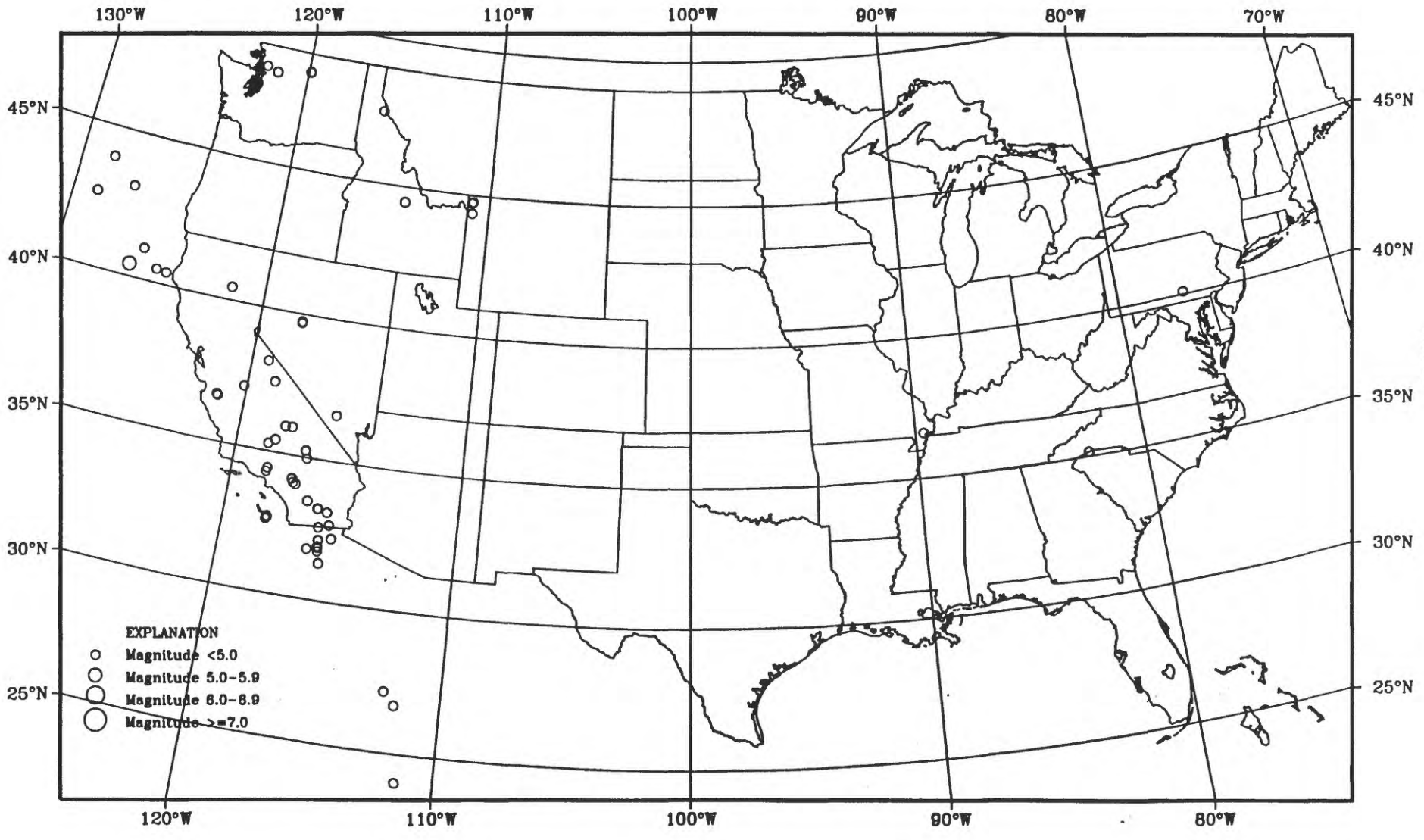
Earthquake Focal Mechanisms for June 1997



Earthquake epicenters in Alaska and adjacent regions for June 1997



Earthquake epicenters in the conterminous United States and adjacent regions for June 1997



Earthquakes located worldwide in June 1997