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

USGS
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Preliminary Determination of Epicenters

Monthly Listing

National Earthquake Information Center

JANUARY 1998

ORIGIN TIME UTC DAY	HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH	MAGNITUDE GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00	02	17.3&	37.643	N	118.858	W	7				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.3 (GM), 3.4 (GS). Double event.
01	00	11	13.4&	37.670	N	118.869	W	5				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.1 (GM), 3.1 (BRK).
01	00	12	39.5&	61.413	N	141.388	W	0				12	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
01	00	31	51.0&	37.648	N	118.861	W	7				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
01	00	50	51.5&	54.588	N	162.270	W	56				13	ALASKA PENINSULA. <AEIC>. ML 2.6 (AEIC).
01	00	55	14.9&	37.640	N	118.865	W	9				29	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.8 (BRK). ML 3.5 (GM), 3.7 (BRK), 3.9 (GS). Moment Tensor (BRK): Dep 14; Principal axes (scale 10**14 Nm): (T) Val=5.44, Plg=5, Azm=35; (N) Val=0.00, Plg=84, Azm=251; (P) Val=-5.44, Plg=4, Azm=125; Best double couple: Mo=5.4*10**14 Nm; NP1: Strike=80, Dip=89, Slip=174; NP2: Strike=170, Dip=84, Slip=1.
01	01	02	14.2%	40.589	N	27.197	E	10	G		0.2	6	TURKEY. MD 2.9 (ISK).
01	01	24	50.4?	17.49	S	178.65	W	600	G	3.7	0.6	12	FIJI ISLANDS REGION
01	01	24	57.0	11.706	N	87.377	W	33	N	4.7	0.9	42	NEAR COAST OF NICARAGUA
01	01	44	56.5*	25.407	S	179.490	E	550	G	4.4	1.0	25	SOUTH OF FIJI ISLANDS
01	02	45	47.3	39.983	N	27.666	E	10	G		0.6	11	TURKEY. MD 3.3 (ISK).
01	02	46	16.1?	18.45	N	67.72	W	33	N	3.5	0.8	5	MONA PASSAGE
01	03	04	13.0%	36.744	N	67.597	E	33	N		1.3	12	HINDU KUSH REGION, AFGHANISTAN
01	03	11	31.9*	55.079	S	128.942	W	10	G	4.1	1.0	24	PACIFIC-ANTARCTIC RIDGE
01	03	42	33.2	5.452	S	151.904	E	56	D	5.0	1.0	65	NEW BRITAIN REGION, P.N.G. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:42:37.3; Lat 5.57 S; Lon 152.33 E; Dep 30.9; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.03, Plg=72, Azm=312; (N) Val=0.52, Plg=7, Azm=64; (P) Val=-1.55, Plg=16, Azm=155; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=255, Dip=29, Slip=104; NP2: Strike=60, Dip=62, Slip=82.
01	03	53	43.1*	29.852	N	51.425	E	33	N	4.6	1.5	32	SOUTHERN IRAN
01	03	56	41.5&	36.251	N	120.815	W	7				10	CENTRAL CALIFORNIA. <GM-P>. ML 3.1 (GM), 3.2 (BRK), 3.2 (GS), 2.9 (PAS).
01	04	03	06.5?	5.51	S	152.30	E	33	N	3.9	1.0	8	NEW BRITAIN REGION, P.N.G.
01	04	05	58.0	22.365	S	171.447	E	33	N	4.7	1.3	54	LOYALTY ISLANDS REGION
01	05	04	59.2*	46.264	N	12.535	E	10	G		0.4	7	NORTHERN ITALY. MD 2.5 (LJU). ML 2.3 (VIE).
01	05	31	34.1&	37.637	N	118.886	W	6				18	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.5 (GM), 3.4 (BRK), 3.4 (GS).
01	05	40	22.6*	5.105	S	144.482	E	104		3.8	1.2	15	NEW GUINEA, PAPUA NEW GUINEA
01	05	54	27.5%	45.968	N	6.129	E	5	G		0.6	9	FRANCE. ML 2.3 (LDG).
01	05	59	24.0*	17.513	N	59.966	E	10	G	4.2	1.2	15	ARABIAN SEA
01	06	03	33.5%	17.494	N	61.927	W	33	N		0.3	5	LEEWARD ISLANDS. MD 3.1 (TRN).
01	06	11	22.6	23.913	N	141.907	E	96	D	6.4 5.8	0.9	388	VOLCANO ISLANDS REGION. Mw 6.4 (HRV), 6.3 (GS). Me 6.5 (GS). mb 6.6 (BRK). Broadband Source Parameters (GS): Dep 92; NP1: Strike=115, Dip=75, Slip=-140; NP2: Strike=13, Dip=52, Slip=-19; Radiated energy 1.3*10**14 Nm. Moment Tensor (GS): Dep 78; Principal axes (scale 10**18 Nm): (T) Val=3.55, Plg=16, Azm=246; (N) Val=0.00, Plg=45, Azm=139; (P) Val=-3.55, Plg=40, Azm=350; Best double couple: Mo=3.5*10**18 Nm; NP1: Strike=20, Dip=49, Slip=-20; NP2: Strike=123, Dip=75, Slip=-137. Centroid, Moment Tensor (HRV): Centroid origin time 06:11:26.4; Lat 24.12 N; Lon 142.21 E; Dep 91.9; Half-duration 3.7 sec; Principal axes (scale 10**18 Nm): (T) Val=3.71, Plg=16, Azm=244; (N) Val=0.12, Plg=55, Azm=130; (P) Val=-3.83, Plg=30, Azm=343; Best double couple: Mo=3.8*10**18 Nm; NP1: Strike=20, Dip=57, Slip=-11; NP2: Strike=116, Dip=81, Slip=-146.
01	06	45	39.3	5.510	S	152.004	E	33	N	5.0	1.1	57	NEW BRITAIN REGION, P.N.G.
01	06	55	21.7*	37.055	N	21.554	E	33	N		1.0	10	SOUTHERN GREECE

01	06	55	44.6?	30.30	S	72.40	W	20	G		0.9	15	OFF COAST OF CENTRAL CHILE. MD 4.6 (GUC). Felt (IV) at Canela, Illapel, Los Vilos and Salamanca.
01	07	00	48.7?	17.90	S	168.94	E	200	G		0.6	6	VANUATU ISLANDS
01	07	12	18.7?	15.08	S	174.97	W	250	G	3.1	0.4	7	TONGA ISLANDS
01	07	14	45.4%	25.508	N	96.524	E	33	N		0.8	9	MYANMAR
01	07	45	00.7%	41.543	S	174.636	E	33	N		0.3	9	COOK STRAIT, NEW ZEALAND. ML 3.8 (WEL).
01	07	47	29.5&	61.047	N	150.987	W	50				18	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
01	08	12	16.7&	37.633	N	118.879	W	7				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.8 (GS).
01	08	36	22.8?	24.70	N	121.85	E	33	N	3.6	1.0	9	TAIWAN
01	08	37	57.7?	24.69	N	121.72	E	33	N	3.9	1.2	10	TAIWAN
01	09	17	55.3?	39.72	N	26.23	E	10	G		0.5	6	TURKEY. MD 3.4 (ISK).
01	09	57	38.1&	37.648	N	118.864	W	6				17	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.1 (GM), 3.1 (BRK), 3.3 (GS).
01	10	12	00.7*	39.140	N	107.134	W	5	G		1.1	5	COLORADO. ML 2.0 (GS). Felt at Redstone.
01	10	36	56.8&	37.656	N	118.861	W	6				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.7 (GS).
01	10	38	21.3&	37.635	N	118.878	W	7				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.7 (GS).
01	10	45	54.2%	42.053	N	23.450	E	10	G		0.2	5	BULGARIA
01	11	33	16.6	30.918	S	71.506	W	60	D		1.2	31	NEAR COAST OF CENTRAL CHILE. MD 4.4 (GUC).
01	11	47	40.4*	37.144	N	10.828	W	10	G		0.9	22	NORTH ATLANTIC OCEAN. mbLg 3.7 (MDD).
01	12	18	32.5&	37.640	N	118.939	W	8		3.5		30	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.8 (GM), 3.8 (BRK), 3.8 (GS). Felt at Mammoth Lakes, California.
01	12	27	53.0&	37.636	N	118.933	W	8				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.8 (GS).
01	12	56	25.0&	63.511	N	150.653	W	13				9	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 3.0 (PMR).
01	13	32	11.0*	28.049	N	53.542	E	33	N	4.5	1.0	21	SOUTHERN IRAN
01	13	50	42.0&	37.661	N	118.860	W	6				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
01	15	03	13.0*	5.395	S	152.205	E	33	N	3.8	1.2	12	NEW BRITAIN REGION, P.N.G.
01	15	29	50.5	42.426	N	144.623	E	33	N	4.7	1.2	25	HOKKAIDO, JAPAN REGION
01	15	33	13.3?	34.90	S	71.04	W	100	G		0.3	9	NEAR COAST OF CENTRAL CHILE
01	15	57	35.6&	59.936	N	152.754	W	95				19	SOUTHERN ALASKA. <AEIC>.
01	16	08	10.6*	53.854	N	161.595	E	33	N	4.2	1.1	21	OFF EAST COAST OF KAMCHATKA
01	16	16	57.5	54.059	N	161.601	E	33	N	4.7	0.9	25	NEAR EAST COAST OF KAMCHATKA
01	16	37	57.7?	5.34	S	151.97	E	33	N	4.0	1.2	8	NEW BRITAIN REGION, P.N.G.
01	17	49	25.5*	54.063	N	161.565	E	33	N	4.1	1.0	23	NEAR EAST COAST OF KAMCHATKA
01	17	50	45.7*	13.859	N	93.381	W	33	N	4.2	1.3	19	OFF COAST OF CHIAPAS, MEXICO
01	18	12	25.4*	29.142	N	66.301	E	10	G	4.4	1.1	16	PAKISTAN
01	18	12	46.3*	43.115	N	138.274	E	271	*		1.2	12	EASTERN SEA OF JAPAN
01	18	32	28.3&	37.629	N	118.812	W	4				12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK), 3.1 (GS).
01	19	23	43.2?	51.13	N	178.23	E	33	N	3.5	0.9	5	RAT ISLANDS, ALEUTIAN ISLANDS
01	19	51	39.5*	3.570	S	131.045	E	33	N	3.4	1.5	8	IRIAN JAYA REGION, INDONESIA
01	20	03	43.9	54.010	N	161.645	E	33	N	4.7	0.8	86	NEAR EAST COAST OF KAMCHATKA
01	20	04	03.0	53.922	N	161.776	E	33	N	5.2 4.8	0.9	168	OFF EAST COAST OF KAMCHATKA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:04:05.4; Lat 53.86 N; Lon 161.81 E; Dep 25.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.79, Plg=63, Azm=149; (N) Val=-2.82, Plg=26, Azm=340; (P) Val=-6.97, Plg=4, Azm=247; Best double couple: Mo=8.4*10**16 Nm; NP1: Strike=312, Dip=47, Slip=52; NP2: Strike=180, Dip=55, Slip=123.
01	20	17	28.0&	60.378	N	151.369	W	49				17	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
01	20	42	12.4*	7.619	S	73.644	W	181	?	3.4	1.0	12	PERU-BRAZIL BORDER REGION
01	21	33	59.5%	37.692	N	27.138	E	10	G		0.4	6	TURKEY. MD 3.3 (ISK).
01	21	47	12.5*	35.830	N	140.094	E	33	N		0.2	5	NEAR EAST COAST OF HONSHU, JAPAN
01	22	17	17.7&	48.087	N	120.825	W	13				18	WASHINGTON. <SEA-P>. MD 2.6 (SEA).
01	22	38	09.7*	83.443	N	3.485	W	10	G	4.3	1.1	20	NORTH OF SVALBARD
01	22	43	00.5&	37.635	N	118.879	W	6				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
01	23	02	58.2	54.103	N	161.647	E	33	N	4.2	0.8	23	NEAR EAST COAST OF KAMCHATKA
01	23	19	57.7	0.931	S	136.723	E	33	N	4.6	1.3	25	IRIAN JAYA REGION, INDONESIA
01	23	27	27.2	31.590	S	71.423	W	69	*	4.4	1.0	30	NEAR COAST OF CENTRAL CHILE. MD 4.6 (GUC). Felt (III) at Canela, Illapel, Los Vilos and Salamanca.
01	23	42	16.1	6.338	S	154.870	E	46	D	5.6 5.8	0.9	204	SOLOMON ISLANDS. Mw 5.9 (GS), 5.9 (HRV). Me 5.3 (GS). Broadband Source Parameters (GS): Dep 39; NP1: Strike=315, Dip=45, Slip=120; NP2: Strike=96, Dip=52, Slip=63; Radiated energy 1.9*10**12 Nm. Moment Tensor (GS): Dep 36; Principal axes (scale 10**17 Nm): (T) Val=6.86, Plg=89, Azm=226; (N) Val=0.02, Plg=0, Azm=135; (P) Val=-6.88, Plg=1, Azm=45; Best double couple: Mo=6.9*10**17 Nm; NP1: Strike=134, Dip=44, Slip=90; NP2: Strike=315, Dip=46, Slip=90. Centroid, Moment Tensor (HRV): Centroid origin time 23:42:23.6; Lat 6.48 S; Lon 154.86 E; Dep 55.0 Bdy; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=6.78, Plg=84, Azm=21; (N) Val=0.26, Plg=2, Azm=128; (P) Val=-7.04, Plg=6, Azm=218; Best double couple: Mo=6.9*10**17 Nm; NP1: Strike=310, Dip=39, Slip=93; NP2: Strike=127, Dip=51, Slip=88.
01	23	44	40.1	14.494	S	167.374	E	250	G	5.1	1.0	67	VANUATU ISLANDS
01	23	49	59.0*	54.058	N	161.685	E	33	N	4.8	1.1	13	NEAR EAST COAST OF KAMCHATKA
02	00	03	11.8*	36.443	N	52.247	E	10	G		1.3	21	NORTHERN IRAN
02	00	05	58.1	37.278	N	115.157	W	5	G		0.9	32	SOUTHERN NEVADA. ML 4.2 (GS).
02	00	10	38.7&	37.654	N	118.859	W	6				12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.0 (GM), 3.0 (BRK), 3.3 (GS).
02	00	15	58.0*	5.472	S	152.006	E	33	N	4.4	1.1	20	NEW BRITAIN REGION, P.N.G.
02	00	25	30.2	17.796	S	178.392	W	500	G	4.7	1.0	74	FIJI ISLANDS REGION
02	00	31	04.8%	46.066	N	14.765	E	10	G		0.3	7	NORTHWESTERN BALKAN REGION. ML 1.6 (LJU).
02	00	58	37.7	37.026	N	29.920	E	10	G		1.0	10	TURKEY
02	01	03	53.3	2.795	S	102.017	E	85		4.6	0.9	42	SOUTHERN SUMATERA, INDONESIA
02	02	03	48.2*	32.885	N	94.201	E	33	N		1.5	14	XIZANG

02	03	13	48.1*	10.325	N	176.327	E	33	N	4.0	0.7	13	MARSHALL ISLANDS REGION
02	03	21	49.3?	20.69	S	178.67	W	550	G	4.1	1.1	15	FIJI ISLANDS REGION
02	03	49	34.9&	33.403	S	69.999	W	10	G		0.4	13	CHILE-ARGENTINA BORDER REGION. MD 3.8 (GUC).
02	05	03	39.0*	42.691	N	18.854	E	10	G		0.7	5	NORTHWESTERN BALKAN REGION
02	05	03	40.4*	53.038	N	159.758	E	33	N	4.4	1.1	14	NEAR EAST COAST OF KAMCHATKA
02	05	07	23.6&	62.186	N	148.011	W	13				36	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 3.0 (PMR).
02	05	15	03.6?	32.08	S	71.65	W	10	G		0.6	13	NEAR COAST OF CENTRAL CHILE. MD 3.9 (GUC).
02	05	29	24.4*	26.321	S	27.187	E	5	G		1.2	6	REPUBLIC OF SOUTH AFRICA
02	05	37	56.2&	43.807	N	6.421	E	5	G		0.6	9	NEAR SOUTH COAST OF FRANCE. ML 1.6 (LDG).
02	05	39	12.6&	37.650	N	118.864	W	6				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.0 (GS).
02	05	43	52.8	30.960	S	71.407	W	65	D		1.1	25	NEAR COAST OF CENTRAL CHILE. MD 4.4 (GUC). Felt (IV) at Canela, Illapel, Los Vilos and Salamanca.
02	05	56	29.7*	52.679	N	160.522	E	33	N	4.6	1.0	8	OFF EAST COAST OF KAMCHATKA
02	06	27	15.8*	5.456	S	151.960	E	33	N	4.5 4.4	1.2	24	NEW BRITAIN REGION, P.N.G.
02	06	35	14.9*	30.841	N	139.915	E	33	N	3.5	1.3	8	SOUTH OF HONSHU, JAPAN
02	06	56	49.9*	24.548	N	141.346	E	100	G	3.5	0.4	10	VOLCANO ISLANDS REGION
02	07	09	30.1*	33.001	N	137.109	E	33	N	4.2	1.4	13	NEAR S. COAST OF HONSHU, JAPAN
02	07	14	30.9	5.284	S	145.592	E	75		3.9	0.9	16	EASTERN NEW GUINEA REG., P.N.G.
02	07	28	29.0	38.206	N	112.467	W	5	G		1.3	44	UTAH. ML 4.5 (GS). Felt at Beaver, Circleville, Elk Meadows Ski Resort, Henrieville, Marysvale, Panguitch and Richfield.
02	07	31	33.0	42.957	N	12.768	E	10	G	3.7	1.3	81	CENTRAL ITALY. ML 3.8 (STR), 3.8 (VIE), 3.5 (LDG).
02	07	36	27.9&	53.793	N	165.549	W	67				9	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.9 (AEIC).
02	07	42	52.6*	4.900	S	102.757	E	33	N	4.9	1.2	29	SOUTHERN SUMATERA, INDONESIA
02	08	11	35.6	42.724	N	18.894	E	10	G		0.4	10	NORTHWESTERN BALKAN REGION
02	09	54	49.5?	39.62	N	29.49	E	10	G		0.0	4	TURKEY. MD 2.6 (ISK).
02	10	25	50.4&	45.766	N	5.292	E	5	G		0.3	6	FRANCE. ML 2.1 (LDG).
02	10	38	55.0*	54.190	N	161.590	E	33	N	4.5	0.9	12	NEAR EAST COAST OF KAMCHATKA
02	10	44	02.0&	45.803	N	5.347	E	5	G		0.6	5	FRANCE. ML 1.9 (LDG).
02	11	20	23.2?	54.57	N	161.49	E	33	N	3.2	0.4	5	NEAR EAST COAST OF KAMCHATKA
02	11	35	56.2&	32.620	S	70.270	W	110	G		0.3	13	CHILE-ARGENTINA BORDER REGION. MD 2.8 (GUC).
02	11	46	57.7	0.867	N	28.821	W	10	G	4.6	0.7	17	CENTRAL MID-ATLANTIC RIDGE
02	11	57	16.8	7.555	S	119.420	E	288		4.0	1.2	29	FLORES SEA
02	12	00	35.3	0.975	N	28.811	W	10	G	4.6	1.0	27	CENTRAL MID-ATLANTIC RIDGE
02	12	22	22.1&	64.734	N	149.186	W	8				8	CENTRAL ALASKA. <AEIC>. ML 2.1 (AEIC), 3.1 (PMR).
02	12	38	25.4?	54.16	N	161.66	E	33	N		0.5	7	NEAR EAST COAST OF KAMCHATKA
02	12	44	26.3	43.620	N	15.919	E	10	G		1.3	25	ADRIATIC SEA. ML 3.6 (LDG), 2.9 (LJU). Felt at Drnis, Sibenik and Vodice, Croatia.
02	12	45	18.6*	36.661	N	71.294	E	200	G		1.4	11	AFGHANISTAN-TAJIKISTAN BORD REG.
02	13	28	09.8&	39.620	N	29.434	E	10	G		0.5	5	TURKEY. MD 2.7 (ISK).
02	14	54	23.3	42.670	N	139.045	E	33	N	4.3	0.9	16	HOKKAIDO, JAPAN REGION
02	15	28	38.0?	42.91	N	12.94	E	10	G		1.2	9	CENTRAL ITALY
02	15	31	29.7?	11.16	N	61.82	W	5	G		0.7	4	WINDWARD ISLANDS. MD 2.8 (TRN).
02	15	37	52.0*	38.723	S	177.504	E	54	*	4.8	0.9	21	NORTH ISLAND, NEW ZEALAND
02	15	47	16.4*	37.828	N	103.408	W	5	G		0.5	6	COLORADO. ML 3.4 (GS). Felt at Higbee, La Junta and Rocky Ford.
02	16	25	33.8	47.098	N	3.229	E	10	G		1.0	15	FRANCE. ML 3.0 (LDG), 2.9 (STR).
02	16	39	22.8*	56.339	S	27.186	W	100	G	4.8	1.0	34	SOUTH SANDWICH ISLANDS REGION
02	17	07	27.3*	43.057	N	142.276	E	100	G	3.5	1.0	11	HOKKAIDO, JAPAN REGION
02	17	14	57.2&	37.633	N	118.875	W	6				5	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
02	17	19	13.3&	33.946	S	71.350	W	50	G		0.7	11	NEAR COAST OF CENTRAL CHILE. MD 3.6 (GUC).
02	17	58	00.7	6.423	S	155.104	E	50	G	4.0	0.8	18	SOLOMON ISLANDS
02	18	00	33.0*	55.650	N	161.787	E	33	N		0.7	7	NEAR EAST COAST OF KAMCHATKA
02	18	19	53.8	42.962	N	145.402	E	33	N	5.4	0.8	198	HOKKAIDO, JAPAN REGION. Mw 5.1 (HRV). Felt (IV JMA) at Nakashibetsu. Felt in much of eastern Hokkaido. Centroid, Moment Tensor (HRV): Centroid origin time 18:20:01.4; Lat 42.70 N; Lon 145.16 E; Dep 76.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.17, Plg=49, Azm=236; (N) Val=1.48, Plg=38, Azm=32; (P) Val=-6.65, Plg=12, Azm=131; Best double couple: Mo=5.9*10**16 Nm; NP1: Strike=259, Dip=47, Slip=148; NP2: Strike=12, Dip=67, Slip=48.
02	19	53	18.5?	45.68	N	12.77	E	10	G		0.4	6	NORTHERN ITALY. ML 2.7 (VIE).
02	21	06	08.8	16.795	N	146.661	E	53	D	4.3	0.6	19	MARIANA ISLANDS
02	21	12	05.3	23.211	N	94.499	E	114	D	4.6	1.1	60	MYANMAR-INDIA BORDER REGION
02	22	04	24.1&	33.040	S	70.334	W	100	G		0.4	11	CHILE-ARGENTINA BORDER REGION. MD 3.0 (GUC).
02	22	07	10.8*	27.800	N	142.302	E	33	N	3.7	1.0	9	BONIN ISLANDS REGION
02	23	31	07.7?	46.21	N	7.56	E	5	G		0.0	4	SWITZERLAND. ML 2.1 (LDG).
03	00	19	21.1	14.936	N	93.927	W	33	N	4.9	1.1	64	NEAR COAST OF CHIAPAS, MEXICO
03	00	51	54.4*	23.074	S	178.414	W	250	G	4.6	1.2	36	SOUTH OF FIJI ISLANDS
03	00	52	52.3*	45.387	N	14.321	E	10	G		0.7	6	NORTHWESTERN BALKAN REGION. ML 1.7 (LJU).
03	01	35	56.8	44.540	N	6.811	E	5	G		0.5	17	FRANCE. ML 2.2 (GEN), 1.7 (LDG).
03	01	47	48.2*	58.010	S	25.172	W	33	N	4.2	0.9	20	SOUTH SANDWICH ISLANDS REGION
03	02	09	05.3	53.758	N	171.567	E	33	N	4.0	0.9	18	NEAR ISLANDS, ALEUTIAN ISLANDS. ML 3.7 (PMR).
03	02	12	08.4&	46.561	N	2.266	E	5	G		0.6	7	FRANCE. ML 2.0 (LDG).
03	02	41	53.9&	39.798	N	28.637	E	10	G		0.4	10	TURKEY. MD 3.4 (ISK).
03	02	50	06.2&	37.642	N	118.868	W	4				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.6 (GM).
03	03	03	56.2*	38.660	N	70.369	E	33	N	4.1	1.4	14	AFGHANISTAN-TAJIKISTAN BORD REG.
03	03	05	52.3*	15.799	S	35.023	E	33	N	4.6	1.0	15	MALAWI
03	03	08	09.4	30.744	S	70.383	W	100	G	4.4	1.1	29	CHILE-ARGENTINA BORDER REGION. MD 4.3 (GUC).
03	03	19	53.9*	15.103	N	60.746	W	100	G		1.4	10	LEEWARD ISLANDS. MD 3.9 (TRN).
03	03	23	06.8&	37.634	N	118.852	W	7				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
03	03	33	50.4	52.817	N	160.269	E	33	N	4.8	0.8	20	OFF EAST COAST OF KAMCHATKA
03	03	48	05.7*	7.437	N	36.125	W	10	G	4.3	1.0	12	CENTRAL MID-ATLANTIC RIDGE
03	06	10	08.3	35.474	S	16.191	W	10	G	5.4 5.9	1.4	71	SOUTHERN MID-ATLANTIC RIDGE. Mw 6.3 (HRV), 6.2 (GS). Moment Tensor (GS): Dep 11; Principal axes (scale 10**18 Nm): (T) Val=2.14, Plg=7, Azm=306; (N) Val=-0.09, Plg=82, Azm=96; (P) Val=-2.05, Plg=4, Azm=216; Best double couple: Mo=2.1*10**18 Nm; NP1: Strike=351, Dip=82, Slip=176; NP2: Strike=81, Dip=88, Slip=8. Centroid, Moment Tensor (HRV): Centroid origin time 06:10:17.2; Lat 35.29 S; Lon 15.80 W; Dep 15.0 Bdy; Half-

duration 3.2 sec; Principal axes (scale 10**18 Nm): (T) Val=2.84, Plg=6, Azm=122; (N) Val=0.01, Plg=81, Azm=352; (P) Val=-2.86, Plg=7, Azm=212; Best double couple: Mo=2.8*10**18 Nm; NP1: Strike=257, Dip=81, Slip=-1; NP2: Strike=347, Dip=89, Slip=-171.

03	07	24	13.8*	45.457	N	14.439	E	10	G		0.9	6	NORTHWESTERN BALKAN REGION. ML 1.7 (LJU).
03	07	47	16.8*	34.873	N	117.102	W	5	G		1.3	7	SOUTHERN CALIFORNIA. ML 3.3 (PAS).
03	07	53	41.4%	32.683	S	70.227	W	110	G		0.3	14	CHILE-ARGENTINA BORDER REGION. MD 3.3 (GUC).
03	07	56	53.3	37.277	N	117.756	W	5	G		1.0	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (GS).
03	07	59	16.4%	37.034	N	3.985	W	5	G		0.5	12	SPAIN. mbLg 2.9 (MDD).
03	08	15	05.4*	6.492	S	155.165	E	33	N	4.3	1.0	21	SOLOMON ISLANDS
03	08	58	46.5&	40.467	N	124.200	W	26				8	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
03	09	08	19.7*	35.207	S	107.073	W	10	G	4.0	1.1	17	SOUTHERN EAST PACIFIC RISE
03	10	18	44.5&	37.632	N	118.875	W	5				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.0 (GM), 3.1 (BRK), 3.0 (GS).
03	10	56	49.1&	37.639	N	118.844	W	8				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.0 (GM), 3.0 (GS).
03	11	13	35.2	53.934	N	162.386	E	33	N	4.3	1.1	24	OFF EAST COAST OF KAMCHATKA
03	11	37	36.5&	37.640	N	118.844	W	9				36	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.2 (GM), 3.4 (BRK), 3.3 (GS).
03	12	03	38.4%	39.615	N	29.496	E	10	G		0.3	5	TURKEY. MD 2.7 (ISK).
03	12	47	47.1&	37.620	N	118.830	W	8				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.9 (GS).
03	13	48	58.1&	37.638	N	118.866	W	6				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
03	14	22	03.3	23.398	S	179.847	W	500	G	4.7	0.9	61	SOUTH OF FIJI ISLANDS
03	15	11	47.1	17.519	N	93.629	W	200	G	4.7	0.9	68	CHIAPAS, MEXICO
03	16	15	19.5	44.777	N	7.345	E	10	G		1.0	26	NORTHERN ITALY. ML 2.6 (GEN), 2.4 (LDG).
03	17	12	50.1&	54.444	N	164.690	W	0				9	UNIMAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
03	17	58	14.6*	46.220	N	12.583	E	10	G		0.9	6	NORTHERN ITALY. ML 2.2 (VIE).
03	18	03	19.1	11.335	S	166.642	E	300	G	4.7	1.0	70	SANTA CRUZ ISLANDS
03	18	42	20.5*	42.018	N	142.589	E	81	*	4.4	1.0	23	HOKKAIDO, JAPAN REGION
03	18	47	41.1%	37.828	N	2.608	W	10	G		1.4	15	SPAIN. mbLg 2.4 (MDD).
03	19	13	51.5&	37.627	N	118.863	W	0				4	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). Multiple event.
03	19	15	12.6%	37.834	N	2.606	W	5	G		0.8	5	SPAIN. mbLg 2.1 (MDD).
03	19	52	19.0%	38.105	N	28.962	E	10	G		0.4	12	TURKEY. MD 3.5 (ISK).
03	20	57	54.1*	19.284	S	169.700	E	33	N	4.5	1.2	24	VANUATU ISLANDS
03	21	15	05.8	37.153	N	35.542	E	10	G	3.5	1.5	19	TURKEY. MD 4.1 (ISK).
03	21	42	12.3*	37.315	N	20.865	E	33	N		1.2	12	IONIAN SEA
03	22	24	17.4	44.036	N	10.511	E	10	G		0.9	42	NORTHERN ITALY. ML 3.2 (GEN), 3.1 (LDG).
03	23	02	11.1	54.224	N	164.177	W	10	G	5.5 5.3	1.1	252	UNIMAK ISLAND REGION. Mw 5.8 (HRV), 5.7 (GS). ML 5.8 (PMR), 5.7 (AEIC). Felt strongly at False Pass. Also felt at Akutan.
													Moment Tensor (GS): Dep 12; Principal axes (scale 10**17 Nm): (T) Val=3.62, Plg=12, Azm=77; (N) Val=1.55, Plg=59, Azm=327; (P) Val=-5.17, Plg=28, Azm=174; Best double couple: Mo=4.4*10**17 Nm; NP1: Strike=212, Dip=62, Slip=-12; NP2: Strike=308, Dip=79, Slip=-151.
													Centroid, Moment Tensor (HRV): Centroid origin time 23:02:17.1; Lat 54.16 N; Lon 164.06 W; Dep 15.0 Fix; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=5.26, Plg=17, Azm=62; (N) Val=0.58, Plg=39, Azm=318; (P) Val=-5.84, Plg=46, Azm=171; Best double couple: Mo=5.6*10**17 Nm; NP1: Strike=194, Dip=45, Slip=-26; NP2: Strike=303, Dip=72, Slip=-132.
03	23	34	46.6*	54.111	N	164.271	W	10	G	4.5	1.3	22	UNIMAK ISLAND REGION. ML 4.4 (AEIC).
03	23	54	32.0&	54.074	N	164.128	W	10				8	UNIMAK ISLAND REGION. <AEIC>. ML 3.4 (AEIC).
04	00	00	59.9&	63.279	N	149.775	W	104				32	CENTRAL ALASKA. <AEIC>.
04	00	11	34.8%	44.424	N	7.333	E	10	G		0.1	5	NORTHERN ITALY. ML 1.7 (GEN).
04	00	33	17.4*	15.727	S	173.870	W	33	N	3.9	0.9	12	TONGA ISLANDS
04	00	50	07.0	44.085	N	7.167	E	10	G		0.7	16	NORTHERN ITALY. ML 2.1 (GEN), 1.7 (LDG).
04	01	24	00.5%	44.740	N	3.283	E	5	G		1.0	8	FRANCE. ML 1.9 (LDG).
04	01	24	05.5%	44.843	N	3.334	E	5	G		1.3	9	FRANCE. ML 2.2 (LDG).
04	02	09	01.4*	52.853	N	160.320	E	33	N	4.8	0.9	15	OFF EAST COAST OF KAMCHATKA
04	02	31	45.6*	31.183	N	141.522	E	33	N		0.9	8	SOUTH OF HONSHU, JAPAN
04	03	00	24.8*	2.391	N	96.655	E	33	N		1.2	9	NORTHERN SUMATERA, INDONESIA
04	03	54	16.6?	18.23	S	168.23	E	33	N		1.0	10	VANUATU ISLANDS
04	04	03	56.2*	34.103	N	141.581	E	33	N		0.9	10	OFF EAST COAST OF HONSHU, JAPAN
04	04	24	13.9	14.706	N	122.006	E	33	N	4.7 4.2	1.2	37	LUZON, PHILIPPINE ISLANDS
04	04	58	33.4?	6.48	S	129.98	E	149	?		1.1	8	BANDA SEA
04	05	30	33.4	8.382	S	115.859	E	10	G	3.3	1.3	11	BALI REGION, INDONESIA
04	05	34	35.8*	54.118	N	161.390	E	33	N	3.7	0.9	17	NEAR EAST COAST OF KAMCHATKA
04	06	06	29.7*	28.477	N	139.426	E	450	G	4.0	0.7	14	BONIN ISLANDS REGION
04	06	11	58.9	22.301	S	170.911	E	101	D	6.4	0.9	423	LOYALTY ISLANDS REGION. Mw 7.5 (HRV), 7.3 (GS). Me 6.8 (GS). Felt at Noumea, New Caledonia.
													Broadband Source Parameters (GS): Radiated energy 3.5*10**14 Nm. Complex earthquake, with at least two larger events occurring about 13 and 23 seconds after the onset.
													Moment Tensor (GS): Dep 96; Principal axes (scale 10**20 Nm): (T) Val=1.08, Plg=73, Azm=356; (N) Val=0.00, Plg=3, Azm=95; (P) Val=-1.08, Plg=17, Azm=186; Best double couple: Mo=1.1*10**20 Nm; NP1: Strike=281, Dip=28, Slip=96; NP2: Strike=94, Dip=62, Slip=87.
													Centroid, Moment Tensor (HRV): Centroid origin time 06:12:25.5; Lat 22.31 S; Lon 171.08 E; Dep 114.3; Half-duration 10.3 sec; Principal axes (scale 10**20 Nm): (T) Val=2.03, Plg=41, Azm=321; (N) Val=-0.44, Plg=43, Azm=106; (P) Val=-1.59, Plg=18, Azm=214; Best double couple: Mo=1.8*10**20 Nm; NP1: Strike=348, Dip=47, Slip=160; NP2: Strike=92, Dip=76, Slip=45.
													Scalar Moment (PPT): Mo=1.0*10**20 Nm.
04	06	18	59.2&	37.650	N	118.881	W	4				14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.6 (GM), 3.7 (BRK), 3.5 (GS).

04	06	25	27.6&	37.650	N	118.879	W	4				5	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.4 (GM), 3.3 (GS).
04	06	32	35.7*	22.214	S	171.376	E	100	G	4.9	1.1	22	LOYALTY ISLANDS REGION
04	07	59	21.7&	37.633	N	118.868	W	8				3	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.9 (GS).
04	08	04	17.6?	22.69	S	170.61	E	100	G	3.9	1.5	17	LOYALTY ISLANDS REGION
04	08	05	31.8	34.553	N	106.191	W	5	G	3.6	0.8	19	NEW MEXICO. ML 4.0 (GS). MD 3.8 (SNM). Felt at Belen, Edgewood, Mountainair, Los Lunas and Tijeras.
04	08	58	29.6	22.232	S	171.036	E	33	N	4.7	1.2	40	LOYALTY ISLANDS REGION
04	09	11	45.0&	34.201	N	118.639	W	4				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). Felt at Simi Valley and in the San Fernando Valley.
04	10	09	53.1&	37.634	N	118.877	W	8				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (GS).
04	10	19	25.0*	9.470	N	126.027	E	100	G	4.3	1.1	17	MINDANAO, PHILIPPINE ISLANDS
04	10	25	03.5*	31.475	S	117.654	E	10	G		0.3	5	WESTERN AUSTRALIA
04	10	53	22.0*	28.786	N	51.573	E	33	N	4.0	0.8	12	SOUTHERN IRAN
04	11	06	50.1&	37.637	N	118.872	W	8				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
04	11	21	34.4	42.780	N	12.921	E	10	G	3.8	1.3	54	CENTRAL ITALY. ML 4.0 (STR), 3.9 (VIE), 3.4 (LDG).
04	11	44	28.1	42.915	N	12.845	E	10	G		1.0	17	CENTRAL ITALY. ML 3.4 (LDG), 3.4 (VIE).
04	12	29	28.2&	37.641	N	118.944	W	6				15	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.2 (GM), 3.5 (BRK), 3.4 (GS).
04	12	34	14.4&	37.638	N	118.944	W	7				41	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.6 (GM), 3.7 (BRK), 3.6 (GS).
04	12	43	05.2	53.954	N	163.967	W	10	G	4.6	1.0	50	UNIMAK ISLAND REGION. ML 4.7 (AEIC), 4.4 (PMR).
04	13	28	26.6?	52.46	N	171.80	W	33	N	3.3	1.7	7	FOX ISLANDS, ALEUTIAN ISLANDS
04	13	51	41.5&	37.651	N	118.873	W	6				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.8 (GS).
04	14	07	12.5	22.327	S	171.460	E	100	G	4.9	1.1	73	LOYALTY ISLANDS REGION
04	15	14	55.1&	59.986	N	153.175	W	127				26	SOUTHERN ALASKA. <AEIC>.
04	15	21	16.4*	22.294	S	171.036	E	33	N	4.4	1.2	26	LOYALTY ISLANDS REGION
04	16	17	03.7&	53.325	N	165.753	W	19				23	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.5 (AEIC).
04	16	52	28.4*	27.729	N	55.428	E	33	N	4.3	1.4	10	SOUTHERN IRAN
04	16	57	41.2	56.841	S	25.983	W	33	N	4.9	0.8	21	SOUTH SANDWICH ISLANDS REGION
04	17	27	54.6	42.787	N	111.133	W	5	G		0.9	18	EASTERN IDAHO. ML 3.4 (GS), 3.4 (BUT). Felt at Afton and Auburn, Wyoming.
04	17	33	54.7*	4.225	S	143.048	E	100	G	3.5	1.4	12	NEW GUINEA, PAPUA NEW GUINEA
04	18	33	35.4*	44.044	N	128.314	W	10	G	3.6	1.2	25	OFF COAST OF OREGON
04	19	29	20.1*	20.292	S	177.897	W	500	G	3.8	0.9	18	FIJI ISLANDS REGION
04	19	52	01.7&	59.617	N	153.472	W	120				26	SOUTHERN ALASKA. <AEIC>.
04	19	53	15.1	54.113	N	161.701	E	33	N	4.5	0.8	27	NEAR EAST COAST OF KAMCHATKA
04	20	07	20.0*	31.490	N	141.579	E	33	N	4.6	1.3	32	SOUTH OF HONSHU, JAPAN
04	20	44	20.4	8.754	N	73.873	W	33	N	4.7	0.9	35	NORTHERN COLOMBIA
04	21	53	41.6&	41.087	N	27.857	E	10	G		0.8	6	TURKEY. MD 2.7 (ISK).
04	23	46	25.6*	27.789	N	140.034	E	400	G	4.2	1.1	19	BONIN ISLANDS REGION
05	00	04	28.7&	36.474	N	3.172	W	10	G		1.3	15	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD).
05	01	10	27.8*	3.994	N	32.603	W	10	G		1.0	8	CENTRAL MID-ATLANTIC RIDGE
05	01	13	40.9&	40.834	N	27.763	E	10	G		0.4	7	TURKEY. MD 3.0 (ISK).
05	01	36	44.7	34.445	N	109.065	E	22	D	4.3	1.4	21	SOUTHEASTERN CHINA
05	01	58	39.9?	6.48	N	82.38	W	10	G	3.7	1.2	7	SOUTH OF PANAMA. MD 4.3 (UPA).
05	02	20	46.0	40.202	N	111.291	W	5	G		0.8	11	UTAH. ML 3.0 (GS).
05	02	40	30.6*	1.875	S	133.511	E	33	N	4.7	0.9	11	IRIAN JAYA REGION, INDONESIA
05	02	44	37.5?	8.77	N	124.17	E	33	N	4.5	0.9	8	MINDANAO, PHILIPPINE ISLANDS
05	02	48	13.2&	47.500	N	7.200	E	2				8	SWITZERLAND. <LDG>. ML 2.1 (LDG).
05	03	14	01.7&	31.566	S	117.105	E	10	G	3.6	0.9	6	WESTERN AUSTRALIA
05	03	24	57.1	32.167	N	141.672	E	51	D	4.8	1.1	47	SOUTH OF HONSHU, JAPAN
05	04	01	59.8	56.315	S	25.845	W	38	D	4.9 4.9	1.0	46	SOUTH SANDWICH ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:02:06.0; Lat 56.28 S; Lon 25.68 W; Dep 15.0 Bdy; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.48, Plg=63, Azm=262; (N) Val=0.12, Plg=8, Azm=156; (P) Val=-1.60, Plg=26, Azm=62; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=133, Dip=20, Slip=66; NP2: Strike=339, Dip=71, Slip=99.
05	04	05	58.4*	2.300	N	126.627	E	33	N	4.3	1.1	27	NORTHERN MOLUCCA SEA
05	04	12	31.8	5.786	S	145.720	E	116		5.1	1.1	60	EASTERN NEW GUINEA REG., P.N.G.
05	04	41	32.7	33.828	N	10.206	E	10	G	3.9	1.2	23	TUNISIA
05	04	47	54.2	49.165	N	6.857	E	11			0.8	34	GERMANY. ML 3.9 (GRF), 3.5 (CLL), 3.5 (UCC). Mining induced event in the Lorraine region, France.
05	05	29	13.8	37.505	N	20.772	E	38		4.5	1.3	70	IONIAN SEA
05	05	55	55.5?	24.37	S	116.15	W	10	G	4.4	0.8	10	SOUTHERN EAST PACIFIC RISE
05	06	16	59.8	7.653	S	117.170	E	33	N		0.7	10	BALI SEA. ML 4.4 (DJA).
05	07	43	12.4&	36.792	N	5.816	W	10	G		1.1	15	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD). Felt (III) at Arcos de la Frontera, Spain.
05	08	05	04.2?	14.81	N	93.83	W	10	G	4.2	1.3	13	NEAR COAST OF CHIAPAS, MEXICO
05	08	07	56.0	24.454	S	116.036	W	10	G	4.9 4.9	1.0	41	SOUTHERN EAST PACIFIC RISE. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:08:03.2; Lat 24.57 S; Lon 116.39 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.47, Plg=11, Azm=100; (N) Val=-0.16, Plg=66, Azm=343; (P) Val=-1.31, Plg=21, Azm=194; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=236, Dip=67, Slip=-7; NP2: Strike=328, Dip=84, Slip=-157.
05	08	51	32.8&	45.686	N	2.536	E	10	G		1.2	6	FRANCE. ML 2.2 (LDG).
05	09	04	50.3&	47.436	N	11.905	E	10	G		0.5	6	AUSTRIA. ML 2.3 (VIE).
05	09	29	24.3*	52.588	N	167.606	W	33	N	4.5	1.1	17	FOX ISLANDS, ALEUTIAN ISLANDS
05	09	44	26.4*	9.025	S	125.665	E	33	N	3.6	1.1	11	TIMOR REGION, INDONESIA
05	09	52	15.3&	38.131	N	29.323	E	10	G		0.5	7	TURKEY. MD 3.1 (ISK).
05	10	19	27.8?	30.64	N	141.66	E	33	N		1.0	7	SOUTH OF HONSHU, JAPAN
05	11	22	36.6?	18.70	S	175.42	W	166	?	4.3	0.9	14	TONGA ISLANDS
05	12	21	19.1&	37.636	N	118.874	W	6				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
05	12	25	07.9*	19.148	S	173.499	W	33	N	4.7	1.2	40	TONGA ISLANDS
05	12	28	49.4*	36.578	S	72.821	W	5	G		1.3	14	NEAR COAST OF CENTRAL CHILE. Felt (V) at Cobquecura and

Concepcion.

05	12	50	43.5%	39.480	N	28.089	E	10	G		1.0	5	TURKEY. MD 2.8 (ISK).
05	13	16	05.6&	37.629	N	118.841	W	8				15	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (BRK).
05	13	46	24.0%	33.528	S	71.813	W	27			0.4	13	NEAR COAST OF CENTRAL CHILE. MD 3.7 (GUC).
05	14	11	12.8&	37.634	N	118.871	W	6				34	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 4.2 (BRK). ML 4.1 (GM), 4.2 (BRK), 4.1 (GS). Moment Tensor (BRK): Dep 5; Principal axes (scale 10**15 Nm): (T) Val=1.98, Plg=26, Azm=256; (N) Val=0.11, Plg=46, Azm=17; (P) Val=-2.10, Plg=32, Azm=148; Best double couple: Mo=2.0*10**15 Nm; NP1: Strike=201, Dip=86, Slip=-44; NP2: Strike=295, Dip=46, Slip=-175.
05	15	33	42.2?	3.02	N	128.02	E	136	?		0.8	7	NORTH OF HALMAHERA, INDONESIA
05	15	56	36.4	28.359	N	55.192	E	37	D	4.7	1.2	45	SOUTHERN IRAN
05	16	14	43.5*	35.455	N	141.030	E	50	G		0.8	10	NEAR EAST COAST OF HONSHU, JAPAN
05	16	58	35.2	29.013	N	64.352	E	19	D	4.9 4.9	1.3	74	SOUTHWESTERN PAKISTAN. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:58:40.9; Lat 29.13 N; Lon 64.61 E; Dep 18.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.17, Plg=78, Azm=84; (N) Val=0.65, Plg=8, Azm=217; (P) Val=-6.82, Plg=9, Azm=308; Best double couple: Mo=6.5*10**16 Nm; NP1: Strike=48, Dip=37, Slip=104; NP2: Strike=211, Dip=54, Slip=80.
05	17	18	54.6%	44.372	N	7.179	E	10	G		0.3	7	NORTHERN ITALY. ML 1.9 (GEN).
05	17	33	15.0*	37.074	N	71.911	E	230	?	3.9	1.3	18	AFGHANISTAN-TAJIKISTAN BORD REG.
05	18	01	51.2*	7.839	S	123.122	E	227	*	4.1	1.3	18	BANDA SEA
05	18	14	06.4&	33.951	N	117.709	W	12				23	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.3 (PAS), 4.3 (BRK). Felt in Los Angeles, Orange, Riverside and San Bernardino Counties.
05	18	20	29.6	42.789	N	12.990	E	10	G		1.0	25	CENTRAL ITALY. ML 3.6 (VIE), 3.2 (LDG).
05	18	58	20.1&	37.642	N	118.883	W	5				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
05	19	58	16.8	56.363	S	25.741	W	33	N	4.6	0.6	22	SOUTH SANDWICH ISLANDS REGION
05	19	59	20.6	56.355	S	25.644	W	33	N	4.8	0.9	28	SOUTH SANDWICH ISLANDS REGION
05	20	01	20.6?	38.71	S	178.45	E	33	N		0.5	7	OFF E. COAST OF N. ISLAND, N.Z. ML 4.0 (WEL). Felt at Gisborne.
05	20	35	07.3&	37.627	N	118.845	W	6				5	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM).
05	20	48	27.8	38.766	N	25.989	E	10	G	3.8	1.2	48	AEGEAN SEA. MD 4.1 (ISK).
05	20	59	17.8*	4.338	N	122.826	E	623	*	4.3	1.0	18	CELEBES SEA
05	22	21	42.4	35.566	N	31.622	E	10	G		0.6	12	CYPRUS REGION. ML 3.1 (GII).
05	22	37	32.3*	21.134	S	67.427	W	200	G		1.1	16	CHILE-BOLIVIA BORDER REGION
05	22	42	50.5%	46.789	N	12.285	E	10	G		0.8	6	NORTHERN ITALY. ML 2.0 (VIE).
05	23	14	03.8*	6.269	S	147.550	E	33	N		0.5	6	EASTERN NEW GUINEA REG., P.N.G.
05	23	47	24.6*	35.884	N	34.386	W	10	G	4.2	1.1	11	AZORES ISLANDS REGION
06	00	06	34.4	22.361	S	68.972	W	95	D	4.6	1.0	30	NORTHERN CHILE
06	01	32	24.4*	20.394	S	68.953	W	100	G	3.6	0.6	5	CHILE-BOLIVIA BORDER REGION
06	01	39	02.6*	42.776	N	18.510	E	10	G		0.8	7	NORTHWESTERN BALKAN REGION
06	01	43	37.0&	37.625	N	118.846	W	7				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
06	02	19	53.3&	37.626	N	118.847	W	7				30	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.1 (GM), 3.2 (BRK), 3.2 (GS).
06	02	30	01.8%	36.989	N	4.963	W	10	G		1.2	5	STRAIT OF GIBRALTAR. mbLg 2.1 (MDD).
06	02	34	18.5%	37.012	N	4.991	W	10	G		0.6	8	SPAIN. mbLg 2.0 (MDD).
06	02	39	53.9?	47.71	S	164.34	E	33	N	3.8	1.2	13	OFF W. COAST OF S. ISLAND, N.Z.
06	03	09	39.7	42.955	N	2.356	E	10	G		1.0	13	PYRENEES. mbLg 3.1 (MDD). ML 3.0 (LDG).
06	03	09	47.5*	26.045	N	91.839	E	33	N	4.5	1.2	16	NORTHEASTERN INDIA
06	03	34	45.4?	13.33	N	144.09	E	139	*		1.3	8	MARIANA ISLANDS
06	03	53	44.0%	36.533	N	3.141	W	10	G		0.9	8	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
06	04	07	55.1	49.416	N	6.916	E	5	G		0.6	6	GERMANY. ML 2.4 (FBB). Mining induced event in the Lorraine region, France.
06	04	11	06.0*	52.123	N	170.067	W	33	N	3.9	1.3	16	FOX ISLANDS, ALEUTIAN ISLANDS
06	04	11	55.3?	24.28	S	179.24	E	600	G	4.2	0.5	9	SOUTH OF FIJI ISLANDS
06	04	12	50.3	43.468	N	147.394	E	65	D	4.5	0.8	30	KURIL ISLANDS
06	04	42	50.8	24.506	N	108.532	W	10	G	4.5	1.3	34	GULF OF CALIFORNIA
06	04	52	32.3&	30.972	S	71.612	W	50				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
06	04	53	25.9?	10.17	N	76.95	W	33	N	3.9	0.8	9	NORTH OF PANAMA. MD 3.9 (UPA).
06	05	01	28.8?	48.09	S	163.77	E	10	G	4.2	1.2	13	OFF W. COAST OF S. ISLAND, N.Z.
06	05	07	25.2?	29.31	N	130.40	E	71	?	3.3	1.2	8	RYUKYU ISLANDS
06	05	29	32.7?	31.79	S	70.10	W	140	G		0.4	13	CHILE-ARGENTINA BORDER REGION. MD 3.5 (GUC).
06	05	41	29.8&	35.992	S	72.006	W	86				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
06	06	03	11.9?	12.50	S	167.29	E	33	N	3.8	1.3	10	SANTA CRUZ ISLANDS
06	06	14	41.3?	24.46	S	179.72	W	500	G	3.6	1.4	10	SOUTH OF FIJI ISLANDS
06	06	50	39.4?	31.91	S	71.50	W	30	G		0.4	12	NEAR COAST OF CENTRAL CHILE. MD 3.7 (GUC).
06	08	10	49.5%	8.429	S	115.913	E	10	G		0.8	5	BALI REGION, INDONESIA
06	08	27	10.2%	34.405	S	71.180	W	70	G		0.4	12	NEAR COAST OF CENTRAL CHILE. MD 2.3 (GUC).
06	08	28	25.5%	45.852	N	4.646	E	5	G		0.4	9	FRANCE. ML 2.1 (LDG).
06	08	36	46.6	34.916	N	110.495	W	5	G		0.7	35	EASTERN ARIZONA. ML 3.9 (GS). Minor damage at Holbrook. Also felt at Joseph City and Winslow.
06	08	37	22.8?	14.66	S	167.49	E	100	G	4.3	0.7	11	VANUATU ISLANDS
06	09	38	29.8?	10.93	N	60.62	W	33	N		0.4	6	TRINIDAD. MD 3.1 (TRN).
06	09	47	04.3*	7.929	N	37.974	W	10	G	4.7	1.0	13	CENTRAL MID-ATLANTIC RIDGE
06	10	00	28.0%	34.048	S	71.374	W	60	G		0.2	13	NEAR COAST OF CENTRAL CHILE. MD 2.9 (GUC).
06	11	23	43.1	7.984	S	126.824	E	33	N	5.2	1.1	59	BANDA SEA
06	11	39	02.7*	81.787	N	5.719	W	10	G		1.2	8	NORTH OF SVALBARD
06	11	49	07.1&	30.112	S	72.843	W	54				11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
06	12	14	57.0*	35.317	N	31.190	E	73	*		0.7	9	CYPRUS REGION
06	12	18	33.8?	19.36	S	177.91	W	600	G	4.1	1.3	15	FIJI ISLANDS REGION
06	12	42	01.6%	39.084	N	27.609	E	10	G		0.5	5	TURKEY. MD 2.8 (ISK).
06	12	55	58.1%	36.731	N	6.078	W	5	G		0.9	14	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
06	13	06	20.7%	39.256	N	27.649	E	10	G		0.6	7	TURKEY. MD 2.9 (ISK).
06	13	38	23.0?	7.44	N	126.81	E	96	?	3.9	0.8	11	MINDANAO, PHILIPPINE ISLANDS
06	13	50	28.5*	18.536	N	145.700	E	194	*	4.0	1.1	28	MARIANA ISLANDS
06	14	05	56.2*	29.775	S	178.587	W	250	G	4.5	1.3	32	KERMADEC ISLANDS, NEW ZEALAND
06	15	20	48.2*	2.457	S	140.688	E	33	N	3.4	1.1	7	NEAR NORTH COAST OF IRIAN JAYA
06	15	33	58.5*	21.199	S	178.614	W	500	G	4.1	1.0	17	FIJI ISLANDS REGION

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06  15 42 49.4* 17.140 S   69.395 W  176 *  3.3       0.5    8  PERU-BOLIVIA BORDER REGION
06  16 01 33.7& 30.924 S   71.563 W   50                      12  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC).
06  16 28 18.2& 17.970 N   68.200 W   78                       9  MONA PASSAGE. <MPR>. MD 3.3 (MPR).
06  17 25 49.6% 40.495 N   28.908 E   10 G             0.2     5  TURKEY. MD 2.7 (ISK).
06  17 40 22.2* 12.147 N   87.444 W  100 G  4.4       1.2    29  NEAR COAST OF NICARAGUA
06  18 03 57.9* 51.614 N   16.135 E    5 G             0.7    10  POLAND. ML 3.5 (VIE).
06  18 40 29.8& 37.656 N  118.875 W    5                       6  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM).
06  19 17 30.0*  7.871 N   77.505 W   33 N  4.0       0.9    12  PANAMA-COLOMBIA BORDER REGION. MD 4.3 (UPA).
06  19 32 08.4   5.347 S  151.536 E  133 D  4.9       0.8    35  NEW BRITAIN REGION, P.N.G.
06  19 57 43.8?  3.41  S  139.73  E   33 N  3.3       0.7     8  IRIAN JAYA, INDONESIA
06  20 37 19.3? 44.50  N    6.89  E    5 G             0.4     5  FRANCE. ML 1.7 (GEN).
06  20 39 09.0* 17.652 S  178.735 W  560 *  4.3       0.9    21  FIJI ISLANDS REGION
06  20 43 07.3  42.978 N   12.861 E   10 G             1.0    35  CENTRAL ITALY. ML 3.7 (VIE).
06  20 46 58.5? 57.87  S   25.29  W   33 N  4.1       1.1     6  SOUTH SANDWICH ISLANDS REGION
06  21 31 09.1* 37.575 N   21.352 E   33 N             1.1    12  SOUTHERN GREECE
06  22 36 55.0? 13.28  S  167.48  E   33 N             1.4     6  VANUATU ISLANDS
06  23 31 06.7   3.579 N  122.765 E  562 *  4.3       1.0    28  CELEBES SEA
07  00 23 52.1& 37.635 N  118.867 W    7                       7  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM).
07  00 41 52.6% 39.038 S  175.213 E  200 G             0.3    12  NORTH ISLAND, NEW ZEALAND
07  01 23 43.9% 38.509 S  175.856 E  200 G             0.3    12  NORTH ISLAND, NEW ZEALAND
07  01 52 22.6% 36.698 N    4.412 W   10 G             0.7     8  STRAIT OF GIBRALTAR. mbLg 1.7 (MDD).
07  02 09 10.2? 14.45  S  169.83  E  632 ?  4.5       0.9    44  VANUATU ISLANDS
07  03 06 41.0  52.604 N  142.772 E   27 *  4.6       0.8    71  SAKHALIN ISLAND. Felt (III) at Okha.
07  03 59 16.5* 41.627 N  142.140 E  100 G             1.6    12  HOKKAIDO, JAPAN  REGION
07  04 09 56.9  44.539 N    7.064 E   10 G             0.3    21  NORTHERN ITALY. ML 2.4 (GEN), 2.3 (LDG).
07  05 00 15.8& 60.415 N  151.771 W   54                      18  KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
07  05 32 27.2  56.964 N  162.746 E  200 G  4.4       1.0    35  NEAR EAST COAST OF KAMCHATKA
07  05 40 00.8* 15.974 S  168.210 E  150 G  4.8       1.0    23  VANUATU ISLANDS
07  05 57 41.4? 45.38  N   26.27  E  150 G             0.8     6  ROMANIA
07  06 35 26.6  51.638 N   16.236 E    5 G             0.5    20  POLAND. ML 3.9 (GRF), 3.6 (VIE).
07  07 19 12.7& 32.390 N  115.230 W   15                      35  CALIF.-BAJA CALIF. BORDER REGION. <ECX>. MD 3.9 (ECX). ML
                                                                  3.7 (PAS), 3.6 (GS). Felt at the Cerro Prieto Geothermal
                                                                  Plant and in the area south of Mexicali, Baja California,
                                                                  Mexico.
07  07 54 39.0? 8.15  S  115.88  E   33 N             0.4     4  BALI REGION, INDONESIA
07  08 12 09.1? 41.69  S  172.91  E  150 G             0.4     9  SOUTH ISLAND, NEW ZEALAND
07  08 20 25.8  13.178 N  125.220 E   33 N  4.7       1.2    54  PHILIPPINE ISLANDS REGION
07  08 36 26.2& 37.657 N  118.879 W    5                       6  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
07  08 59 12.0   0.891 S  136.168 E   33 N  4.0       1.1    18  IRIAN JAYA REGION, INDONESIA
07  09 08 22.2* 13.137 N  125.105 E   33 N  3.8       1.1    17  PHILIPPINE ISLANDS REGION
07  09 31 21.8? 39.13  N   27.53  E   10 G             0.3     4  TURKEY. MD 2.7 (ISK).
07  09 34 34.1? 4.30  S  152.19  E  189 ?  4.7       1.0    13  NEW BRITAIN REGION, P.N.G.
07  09 36 13.2& 9.611 N   79.374 W   41                      5  PANAMA. <UPA>. MD 3.2 (UPA).
07  09 37 29.8* 10.454 S  121.530 E   79 *  4.2       1.4    10  SAVU SEA
07  10 00 11.1  35.860 N   30.913 E   33 N  3.3       1.3    18  EASTERN MEDITERRANEAN SEA
07  10 27 43.5% 40.515 N   29.205 E    5 G             0.5     5  TURKEY. MD 2.7 (ISK).
07  10 41 54.6  52.548 N  160.337 E   33 N  4.8       1.1    40  OFF EAST COAST OF KAMCHATKA
07  12 07 20.6  47.387 S  165.560 E   33 N  4.6       1.0    37  OFF W. COAST OF S. ISLAND, N.Z.
07  12 13 21.0   2.407 S  138.248 E   33 N  4.2       1.0    22  IRIAN JAYA, INDONESIA
07  13 39 12.2*  3.055 S  129.351 E   33 N  3.7       1.2    13  SERAM, INDONESIA
07  13 50 16.3  11.509 S  119.271 E   33 N  4.4       1.3    31  SOUTH OF SUMBA, INDONESIA
07  14 22 55.7& 61.583 N  151.007 W   69                      24  SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.1 (PMR).
07  14 35 07.4? 39.18  N   27.40  E   10 G             0.4     4  TURKEY. MD 2.7 (ISK).
07  15 05 41.0  36.480 N   71.050 E  229 *  4.2       1.0    45  AFGHANISTAN-TAJIKISTAN BORD REG.
07  15 40 28.7& 37.637 N  118.841 W    9                      15  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0
                                                                  (GS).
07  16 23 38.0? 10.97  N   62.16  W   70 G             0.6     6  NEAR COAST OF VENEZUELA. MD 3.2 (TRN).
07  16 24 54.2  52.497 N  143.116 E   33 N  3.5       1.2    20  SAKHALIN ISLAND
07  17 49 00.6& 33.888 N  117.879 W    5                      26  SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt in Orange
                                                                  County.
07  18 04 47.9% 44.040 N    7.252 E    5 G             0.1     6  NORTHERN ITALY. ML 2.2 (GEN).
07  18 05 20.9  18.915 N  121.211 E   33 N  4.3       1.1    35  LUZON, PHILIPPINE ISLANDS
07  18 29 32.3  51.107 N  179.550 E   33 N  4.5       1.4    44  RAT ISLANDS, ALEUTIAN ISLANDS
07  18 56 09.5* 51.192 N  179.448 E   33 N  4.1       1.4    16  RAT ISLANDS, ALEUTIAN ISLANDS
07  19 09 47.2  51.192 N  179.501 E   33 N  4.9 4.5  0.9   144  RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.0 (HRV). ML 4.9 (PMR).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  19:09:50.6; Lat 51.16 N; Lon 179.89 E; Dep 15.0 Fix; Half-
                                                                  duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                  Val=3.77, Plg=79, Azm=45; (N) Val=-0.23, Plg=11, Azm=225;
                                                                  (P) Val=-3.54, Plg=0, Azm=135; Best double couple:
                                                                  Mo=3.7*10**16 Nm; NP1: Strike=215, Dip=46, Slip=75; NP2:
                                                                  Strike=56, Dip=46, Slip=105.
07  19 18 42.5% 48.177 N    3.076 W   10 G             1.3     6  FRANCE. ML 2.0 (LDG).
07  19 18 44.4% 48.180 N    3.059 W   10 G             1.3     6  FRANCE. ML 2.5 (LDG).
07  19 22 46.1  37.368 N   20.832 E   10 G  4.3       1.3    49  IONIAN SEA
07  20 35 15.2?  1.92  N   99.05  E  126 *  3.9       0.5     7  NORTHERN SUMATERA, INDONESIA
07  21 50 07.2*  7.291 S  106.647 E   69 *  4.9       1.3    45  JAWA, INDONESIA
07  23 18 00.7% 39.023 N   29.791 E   10 G             0.3     6  TURKEY. MD 2.9 (ISK).
07  23 21 51.2? 37.33  N   71.32  E  107 ?  3.2       1.3     8  AFGHANISTAN-TAJIKISTAN BORD REG.
07  23 51 53.0& 33.195 N  115.611 W    5                       2  SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). MD 3.0 (ECX).
07  23 52 45.5& 33.194 N  115.603 W    5                      34  SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.2 (GS).
08  00 00 17.5* 35.013 N   86.174 E   33 N  3.7       0.8     7  XIZANG
08  00 12 24.3% 36.201 N    1.645 E   10 G             0.4    11  NORTHERN ALGERIA. mbLg 2.3 (MDD).
08  01 38 02.7* 14.558 S   74.704 W   72 *  4.1       1.2    11  CENTRAL PERU
08  02 11 47.5  28.201 N  130.230 E   33 N  4.2       0.9    24  RYUKYU ISLANDS
08  02 30 56.0  51.213 N  179.562 E   33 N  5.2 4.8  0.9   199  RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.4 (HRV). ML 5.4 (PMR).
                                                                  Felt on Adak.
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  02:30:59.6; Lat 51.31 N; Lon 179.68 E; Dep 26.6; Half-
                                                                  duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                                  Val=1.10, Plg=65, Azm=9; (N) Val=0.20, Plg=12, Azm=251; (P)
                                                                  Val=-1.30, Plg=21, Azm=156; Best double couple:
                                                                  Mo=1.2*10**17 Nm; NP1: Strike=226, Dip=26, Slip=62; NP2:
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Strike=76, Dip=67, Slip=103.

08	02	35	50.3?	51.29	N	179.56	E	33	N		1.6	15	RAT ISLANDS, ALEUTIAN ISLANDS
08	02	44	24.4*	51.630	N	179.595	E	33	N	4.0	1.5	19	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
08	03	07	27.0&	38.117	N	28.633	E	10	G		0.5	7	TURKEY. MD 3.3 (ISK).
08	03	14	06.9&	38.027	N	28.643	E	10	G		0.8	5	TURKEY. MD 3.0 (ISK).
08	03	29	07.8	43.125	N	126.026	W	10	G	3.5	0.8	73	OFF COAST OF OREGON. MD 3.8 (SEA).
08	03	32	42.4?	50.79	N	179.71	E	33	N	4.0	1.2	8	RAT ISLANDS, ALEUTIAN ISLANDS
08	03	35	16.3	28.157	N	130.202	E	29	*	4.7	1.1	35	RYUKYU ISLANDS
08	03	44	27.1&	37.277	N	1.956	W	10	G		1.1	5	SPAIN
08	04	15	34.4&	33.703	S	71.991	W	10				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
08	04	34	03.0&	40.022	N	26.559	E	5				5	TURKEY. <ISK>. MD 2.9 (ISK).
08	04	34	11.8&	42.855	N	70.040	W	25				11	SOUTHERN NEW ENGLAND. <WES>. mbLg 2.9 (WES), 2.9 (OTT). Felt at Gloucester and Rockport, Massachusetts.
08	05	10	50.4	13.166	N	144.738	E	50	D	4.8	1.1	74	MARIANA ISLANDS. Felt (IV) at Piti and in the northern part of Guam.
08	06	14	16.8&	38.701	N	25.512	E	10	G			7	AEGEAN SEA. <ISK>. MD 3.5 (ISK).
08	06	34	44.8&	35.177	S	70.575	W	1				9	CHILE-ARGENTINA BORDER REGION. <GUC>.
08	06	58	33.8&	33.234	S	68.764	W	12				11	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.8 (GUC).
08	06	59	02.4	36.409	N	71.117	E	239	D	4.2	0.7	52	AFGHANISTAN-TAJIKISTAN BORD REG.
08	07	22	03.6&	54.047	N	164.066	W	10		4.5		42	UNIMAK ISLAND REGION. <AEIC>. ML 4.4 (AEIC), 4.4 (PMR).
08	07	31	17.8&	34.908	S	71.532	W	60				7	NEAR COAST OF CENTRAL CHILE. <GUC>.
08	07	37	37.0*	37.556	N	20.868	E	33	N	3.7	1.1	17	IONIAN SEA
08	08	47	38.3&	39.697	N	29.483	E	8				4	TURKEY. <ISK>. MD 2.6 (ISK).
08	09	30	10.3&	40.270	N	3.470	W	0				6	SPAIN. <MDD>. mbLg 2.0 (MDD).
08	09	50	25.2*	43.412	N	138.779	E	250	G	3.1	1.2	11	EASTERN SEA OF JAPAN
08	10	58	26.2	46.963	N	14.432	E	10	G		1.2	6	NORTHWESTERN BALKAN REGION. ML 2.6 (VIE). Felt (IV) at Friesach, Austria.
08	11	16	32.2	11.615	S	117.841	E	41	*	3.8	0.9	22	SOUTH OF SUMBAWA, INDONESIA
08	12	01	19.5&	40.255	N	28.746	E	10	G		0.2	6	TURKEY. MD 2.7 (ISK).
08	12	13	43.5	23.330	N	142.736	E	33	N	4.6 4.3	1.1	47	VOLCANO ISLANDS REGION
08	12	17	22.7&	40.225	N	29.349	E	10	G		0.2	5	TURKEY. MD 2.5 (ISK).
08	12	30	35.7&	39.636	N	29.433	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
08	12	33	45.4	2.345	N	128.036	E	33	N	4.8 4.3	1.3	47	HALMAHERA, INDONESIA
08	13	10	33.8?	15.18	N	98.67	W	10	G	3.8	1.2	14	OFF COAST OF GUERRERO, MEXICO. MD 4.3 (UNM).
08	13	41	38.3	39.546	N	117.487	W	5	G		0.8	19	NEVADA. ML 3.7 (GS). Multiple event.
08	13	43	37.4?	70.94	N	13.19	W	10	G	3.4	1.2	5	JAN MAYEN ISLAND REGION
08	13	46	25.9	22.424	N	123.034	E	33	N	3.9	0.5	13	SOUTHEAST OF TAIWAN
08	14	16	11.3?	38.83	N	27.98	E	10	G		0.5	4	TURKEY. MD 2.7 (ISK).
08	14	46	35.3*	37.848	N	137.582	E	29		4.0	1.0	18	NEAR WEST COAST OF HONSHU, JAPAN. Felt (I JMA) in northern Ishikawa and western Niigata Prefectures.
08	15	17	57.1&	58.091	N	155.037	W	102		3.2		13	ALASKA PENINSULA. <AEIC>.
08	15	27	35.6*	20.876	S	178.654	W	600	G	4.3	1.0	23	FIJI ISLANDS REGION
08	15	40	19.5&	16.948	N	94.712	W	132		3.8		14	OAXACA, MEXICO. <UNM>. MD 3.6 (UNM).
08	16	12	11.7&	31.197	S	71.618	W	24				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
08	16	33	44.3?	18.07	S	178.33	W	600	G	3.8	0.5	9	FIJI ISLANDS REGION
08	16	42	07.8&	60.068	N	153.689	W	170				16	SOUTHERN ALASKA. <AEIC>.
08	17	20	28.6&	37.957	N	27.372	E	10	G			4	TURKEY. <ISK>. MD 3.2 (ISK).
08	19	54	44.4&	38.634	S	176.501	E	150	G		0.7	14	NORTH ISLAND, NEW ZEALAND
08	19	56	47.9&	8.682	N	82.081	W	26				6	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.9 (UPA).
08	20	04	40.0	45.673	N	15.222	E	10	G		0.5	9	NORTHWESTERN BALKAN REGION. ML 2.0 (VIE), 1.8 (LJU).
08	21	29	30.9*	2.496	S	138.471	E	33	N	4.3	1.2	11	IRIAN JAYA, INDONESIA
08	22	18	06.5*	43.857	N	85.354	E	33	N	4.3	1.2	21	NORTHERN XINJIANG, CHINA
08	22	49	29.5&	44.481	N	7.268	E	15				47	NORTHERN ITALY. <GEN>. ML 3.0 (GEN), 2.8 (LDG), 2.6 (STR).
08	22	51	14.7&	37.624	N	119.475	W	29				4	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
08	23	12	23.8&	37.381	N	121.301	W	1				14	CENTRAL CALIFORNIA. <GM-P>. ML 3.2 (GM), 3.4 (BRK), 3.3 (GS).
08	23	42	20.1*	12.818	S	169.461	E	650	G	4.0	0.5	14	SANTA CRUZ ISLANDS REGION
09	00	04	58.0&	67.703	N	146.753	W	5	G			8	NORTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
09	00	05	51.0?	43.09	N	12.77	E	10	G		0.5	9	CENTRAL ITALY. ML 2.7 (LDG).
09	01	02	30.1?	38.63	S	175.89	E	170	G		0.5	11	NORTH ISLAND, NEW ZEALAND
09	01	05	19.7&	38.977	N	26.402	E	10	G			4	AEGEAN SEA. <ISK>. MD 3.2 (ISK).
09	01	47	39.6?	46.13	N	14.81	E	10	G		0.4	4	NORTHWESTERN BALKAN REGION. ML 1.3 (LJU).
09	02	02	12.8*	65.161	N	136.152	E	33	N	3.3	1.3	9	EASTERN SIBERIA, RUSSIA
09	02	04	20.6&	44.483	N	7.306	E	11				9	NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
09	02	22	06.0&	40.991	N	27.326	E	10	G			4	TURKEY. <ISK>. MD 2.9 (ISK).
09	02	43	56.8	14.525	S	166.771	E	33	N	5.4 5.4	1.0	199	VANUATU ISLANDS. Mw 5.6 (GS), 5.6 (HRV). Moment Tensor (GS): Dep 27; Principal axes (scale 10**17 Nm): (T) Val=2.35, Plg=71, Azm=45; (N) Val=0.05, Plg=5, Azm=148; (P) Val=-2.40, Plg=19, Azm=240; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=338, Dip=27, Slip=101; NP2: Strike=146, Dip=64, Slip=85. Centroid, Moment Tensor (HRV): Centroid origin time 02:44:03.9; Lat 14.37 S; Lon 166.55 E; Dep 29.1; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.87, Plg=58, Azm=21; (N) Val=0.07, Plg=23, Azm=154; (P) Val=-2.94, Plg=21, Azm=253; Best double couple: Mo=2.9*10**17 Nm; NP1: Strike=18, Dip=32, Slip=138; NP2: Strike=145, Dip=70, Slip=65.
09	02	53	59.8*	56.190	S	26.666	W	100	G		0.7	20	SOUTH SANDWICH ISLANDS REGION
09	03	17	42.7&	37.867	N	118.188	W	0				14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.3 (GS).
09	03	21	10.0?	61.76	S	55.19	W	10	G		0.7	7	SOUTH SHETLAND ISLANDS
09	03	30	51.2&	31.594	S	68.539	W	220				13	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.5 (GUC).
09	03	44	12.5?	36.51	N	21.61	E	33	N		1.5	11	SOUTHERN GREECE
09	03	52	52.9&	30.619	S	71.799	W	5				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
09	04	15	12.6&	31.379	S	69.890	W	140				12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.3 (GUC).
09	04	34	37.8*	37.101	N	21.167	E	33	N	3.7	1.4	24	SOUTHERN GREECE
09	05	43	25.8?	30.53	N	142.37	E	33	N	3.5	1.3	6	SOUTH OF HONSHU, JAPAN
09	06	00	29.6&	39.610	N	29.545	E	8				4	TURKEY. <ISK>. MD 2.6 (ISK).
09	06	28	13.5&	34.909	S	71.117	W	100				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.6 (GUC).
09	06	53	57.6	1.278	N	120.300	E	45	D	4.4	0.9	21	MINAHASSA PENINSULA, SULAWESI
09	07	17	40.1?	39.69	N	29.59	E	10	G		0.7	4	TURKEY. MD 2.7 (ISK).
09	07	41	02.7&	14.690	N	60.329	W	36				4	WINDWARD ISLANDS. <TRN>. MD 3.4 (TRN).
09	08	04	39.5&	8.799	N	94.570	E	100	G		1.2	10	NICOBAR ISLANDS, INDIA

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09  08 26 16.7   6.028 S  146.790 E   61 *  4.7        1.2   43  EASTERN NEW GUINEA REG., P.N.G.
09  08 42 02.3? 18.93  S  169.47  E  250 G  4.1        1.3   16  VANUATU ISLANDS
09  09 39 13.8  14.954 S  167.325 E  123 D  4.7        1.1  134  VANUATU ISLANDS
09  09 56 42.3& 39.572 N   29.374 E   10 G                    4  TURKEY. <ISK>. MD 2.6 (ISK).
09  10 11 26.7? 16.49  S  174.65  W  400 G  4.0        0.7   12  TONGA ISLANDS
09  10 31 12.5  55.273 N  161.892 E   33 N  4.4        0.8   26  NEAR EAST COAST OF KAMCHATKA
09  10 41 49.1  24.078 S   66.776 W  200 G  4.6        1.0   40  SALTA PROVINCE, ARGENTINA
09  11 05 25.9  48.577 N   10.009 E    5 G               0.7   10  GERMANY. ML 2.5 (STR), 2.5 (VIE).
09  11 47 25.0  30.959 S   71.337 W   64 D  4.8        1.3   45  NEAR COAST OF CENTRAL CHILE. MD 4.9 (GUC). Felt (IV) at
                                                                  Ovalle and (II) at La Serena.
09  12 01 48.6& 61.204 N  150.733 W   47    4.4              65  SOUTHERN ALASKA. <AEIC>. ML 4.2 (AEIC), 4.1 (PMR). Felt at
                                                                  Anchorage.
09  12 08 34.1  38.053 N  140.457 E   10 G  4.4        1.0   27  EASTERN HONSHU, JAPAN
09  12 21 45.5& 33.181 S   70.989 W   63                     12  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
09  12 29 41.9% 39.277 N   27.674 E   10 G               0.8    8  TURKEY. MD 2.8 (ISK).
09  12 33 43.1   2.566 N  128.793 E   33 N  4.4        1.1   31  HALMAHERA, INDONESIA
09  12 34 46.4& 62.315 N  150.013 W   19                     28  CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.5 (PMR).
09  12 39 16.3  34.523 N   26.998 E   10 G  3.5        1.0   21  CRETE
09  13 17 28.9& 39.240 N   27.307 E   10 G                    4  TURKEY. <ISK>. MD 2.8 (ISK).
09  13 39 02.3? 4.02   S  128.40  E  150 G  4.1        0.7   10  BANDA SEA
09  14 16 00.9* 40.371 N   48.873 E   33 N  4.3        1.0   17  EASTERN CAUCASUS
09  14 29 07.5% 39.660 N   29.419 E   10 G               0.3    6  TURKEY. MD 2.7 (ISK).
09  14 38 16.1  14.009 S   76.877 W   34 D  4.7        1.2   41  NEAR COAST OF PERU. Felt (III) at Ica and Paracas; (II) at
                                                                  Lima and San Vicente de Canete.
09  15 08 25.4& 44.484 N    7.298 E   11                     6  NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
09  15 17 34.3%  9.199 S  119.018 E   33 N               1.0    8  SUMBA REGION, INDONESIA
09  16 19 22.3& 34.470 S   70.437 W    5                    11  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
09  16 55 31.1& 44.153 N    8.175 E    1                    10  NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
09  17 51 19.6& 62.044 N  153.103 W    0                    18  CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.2 (PMR).
09  17 58 48.2? 12.52  S  167.98  E   33 N  3.7        1.0   16  SANTA CRUZ ISLANDS
09  18 10 27.5? 19.49  S  177.68  W  300 G  3.8        0.4   11  FIJI ISLANDS REGION
09  19 06 13.8  36.472 N   52.174 E   33 N  4.8 4.2     1.1  103  NORTHERN IRAN
09  19 24 49.4& 37.643 N  118.864 W    4                    37  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.4 (GM), 3.5
                                                                  (BRK), 3.4 (GS).
09  19 27 58.6& 37.643 N  118.865 W    4                    37  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.9 (BRK). ML
                                                                  3.6 (GM), 3.7 (BRK), 3.6 (GS).
                                                                  Moment Tensor (BRK): Dep 11; Principal axes (scale 10**14
                                                                  Nm): (T) Val=7.80, Plg=30, Azm=9; (N) Val=0.00, Plg=5,
                                                                  Azm=102; (P) Val=-7.80, Plg=60, Azm=202; Best double
                                                                  couple: Mo=7.8*10**14 Nm; NP1: Strike=284, Dip=75,
                                                                  Slip=-84; NP2: Strike=83, Dip=16, Slip=-110.
09  19 33 13.3& 37.640 N  118.871 W    5                    20  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.8 (BRK). ML
                                                                  3.8 (GM), 3.9 (BRK), 3.9 (GS).
                                                                  Moment Tensor (BRK): Dep 8; Principal axes (scale 10**14
                                                                  Nm): (T) Val=4.84, Plg=15, Azm=249; (N) Val=0.00, Plg=68,
                                                                  Azm=119; (P) Val=-4.84, Plg=16, Azm=343; Best double
                                                                  couple: Mo=4.8*10**14 Nm; NP1: Strike=116, Dip=89,
                                                                  Slip=-158; NP2: Strike=26, Dip=68, Slip=-1.
09  19 57 17.2? 21.51  S   68.26  W  149 *               1.1    7  CHILE-BOLIVIA BORDER REGION
09  20 20 23.4? 23.96  S  179.88  E  500 G  4.2        0.9   14  SOUTH OF FIJI ISLANDS
09  20 36 52.6& 37.721 N   15.003 E   10                    23  SICILY. <ROM>. MD 3.5 (ROM).
09  20 46 22.4& 38.825 N  122.807 W    2                     5  NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
09  21 19 27.7& 37.644 N  118.870 W    5                     9  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.0
                                                                  (BRK).
09  21 39 37.4& 62.568 N  151.120 W  101    2.7              39  CENTRAL ALASKA. <AEIC>.
09  21 40 53.0* 19.806 N  145.748 E  150 G  3.8        1.0   17  MARIANA ISLANDS
09  21 43 31.7& 37.770 N    4.620 W    0                     8  SPAIN. <MDD>. mbLg 2.2 (MDD).
09  21 50 06.6* 15.719 N  121.335 E   33 N  4.4        1.2   18  LUZON, PHILIPPINE ISLANDS
09  21 58 38.4&  9.099 N   79.685 W    0                     4  PANAMA. <UPA>. MD 2.9 (UPA).
09  22 03 52.1? 23.29  S  115.47  W   10 G  4.3        1.0   14  SOUTHERN EAST PACIFIC RISE
09  22 04 19.5& 37.060 N    1.710 W    0                    19  SPAIN. <MDD>. mbLg 3.2 (MDD). Felt (II) in the epicentral
                                                                  area.
09  22 05 30.2& 33.456 S   70.711 W   76                    13  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
09  23 26 35.1  49.417 N    6.943 E    5 G               0.8   29  GERMANY. ML 3.2 (GRF), 2.9 (UCC), 2.8 (FBB), 2.8 (DBN).
09  23 27 55.8  20.088 N  121.447 E   33 N  4.5        1.2   29  PHILIPPINE ISLANDS REGION
10  00 45 12.0* 33.230 N  138.215 E  350 G  3.6        1.4   13  SOUTH OF HONSHU, JAPAN
10  01 10 07.5& 44.468 N    7.258 E   16                    20  NORTHERN ITALY. <GEN>. ML 2.3 (GEN), 1.9 (LDG).
10  02 28 20.5* 25.162 N   95.172 E  100 G               1.2   10  MYANMAR-INDIA BORDER REGION
10  03 50 41.5  41.083 N  114.500 E   30    5.8 5.7      0.9  401  NORTHEASTERN CHINA. Mw 5.7 (GS), 5.7 (HRV). Me 5.8 (GS).
                                                                  Seventy people killed, about 11,500 injured, 44,000
                                                                  families left homeless, extensive damage and fires in the
                                                                  Shangyi-Zhangbei area. Over 70,000 houses were damaged or
                                                                  destroyed. Damage to portions of the Great Wall of China in
                                                                  northwestern Hebei Province. Felt strongly at Zhangjiakou
                                                                  and as far as Beijing.
                                                                  Broadband Source Parameters (GS): Dep 5; NP1: Strike=210,
                                                                  Dip=40, Slip=135; NP2: Strike=337, Dip=63, Slip=59;
                                                                  Radiated energy 1.2*10**13 Nm.
                                                                  Moment Tensor (GS): Dep 9; Principal axes (scale 10**17 Nm):
                                                                  (T) Val=4.16, Plg=46, Azm=189; (N) Val=-0.16, Plg=41,
                                                                  Azm=345; (P) Val=-4.00, Plg=12, Azm=86; Best double couple:
                                                                  Mo=4.1*10**17 Nm; NP1: Strike=215, Dip=49, Slip=151; NP2:
                                                                  Strike=325, Dip=69, Slip=45.
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  03:50:46.4; Lat 41.34 N; Lon 114.34 E; Dep 15.0 Fix; Half-
                                                                  duration 1.8 sec; Principal axes (scale 10**17 Nm): (T)
                                                                  Val=4.39, Plg=55, Azm=178; (N) Val=0.18, Plg=35, Azm=356;
                                                                  (P) Val=-4.57, Plg=1, Azm=87; Best double couple:
                                                                  Mo=4.5*10**17 Nm; NP1: Strike=207, Dip=54, Slip=135; NP2:
                                                                  Strike=327, Dip=55, Slip=46.
10  03 54 58.3& 39.323 N  122.794 W   12                     8  NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.1 (BRK).
10  04 12 47.8& 39.328 N  122.797 W   11                     6  NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
10  04 34 16.9  37.165 N   20.963 E   10 G  4.2        1.3  130  IONIAN SEA. MD 4.6 (ROM).
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10	04	37	02.8*	50.132	N	179.322	E	33	N	4.6	1.3	37	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.1 (PMR).
10	04	54	25.3	12.029	S	72.074	W	33	N	5.7 5.9	1.2	310	CENTRAL PERU. Mw 6.4 (GS), 6.2 (HRV). Me 6.1 (GS). Felt (IV) at Quillabamba; (III) at Andahuaylas, Ayacucho and Huancayo; (II) at Abancay and Huancavelica. Broadband Source Parameters (GS): Dep 10; NP1: Strike=285, Dip=85, Slip=60; NP2: Strike=186, Dip=30, Slip=170: Radiated energy 3.2*10**13 Nm. Moment Tensor (GS): Dep 3; Principal axes (scale 10**18 Nm): (T) Val=4.27, Plg=73, Azm=192; (N) Val=0.72, Plg=0, Azm=282; (P) Val=-4.99, Plg=17, Azm=12; Best double couple: Mo=4.6*10**18 Nm; NP1: Strike=102, Dip=28, Slip=90; NP2: Strike=282, Dip=62, Slip=90. Centroid, Moment Tensor (HRV): Centroid origin time 04:54:30.1; Lat 11.60 S; Lon 72.08 W; Dep 27.4; Half-duration 2.9 sec; Principal axes (scale 10**18 Nm): (T) Val=2.13, Plg=67, Azm=195; (N) Val=-0.02, Plg=1, Azm=103; (P) Val=-2.10, Plg=23, Azm=13; Best double couple: Mo=2.1*10**18 Nm; NP1: Strike=101, Dip=22, Slip=88; NP2: Strike=283, Dip=68, Slip=91.
10	05	04	02.2*	41.244	N	114.458	E	33	N		1.6	6	NORTHEASTERN CHINA
10	05	30	19.7*	43.930	N	138.136	E	250	G	3.6	1.4	16	EASTERN SEA OF JAPAN
10	05	30	24.5&	48.200	N	0.400	W	2				7	FRANCE. <LDG>. ML 2.2 (LDG).
10	05	49	45.3*	44.932	N	140.471	E	250	G	4.1	0.9	18	EASTERN SEA OF JAPAN
10	06	04	19.5*	12.027	S	72.424	W	33	N	3.6	1.3	7	CENTRAL PERU
10	06	21	22.1	44.531	N	129.467	W	33	N	3.5	0.6	85	OFF COAST OF OREGON
10	06	21	40.2*	11.819	S	72.178	W	33	N	4.3	0.9	12	CENTRAL PERU
10	06	48	11.1&	44.474	N	7.284	E	12				7	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
10	06	48	34.6	5.194	N	123.847	E	550	G	5.0	0.9	84	MINDANAO, PHILIPPINE ISLANDS
10	08	11	07.5&	46.500	N	0.700	E	2				7	FRANCE. <LDG>. ML 2.1 (LDG).
10	08	20	05.7	14.374	N	91.473	W	33	N	6.1 6.2	0.9	450	GUATEMALA. Mw 6.6 (GS), 6.6 (HRV). At least 16 people injured in Quezaltenango and 3 injured in San Marcos Departments. Five people injured in the Guatemala City area. Three people also injured in El Salvador. Landslides, power outages and buildings damaged in Quezaltenango and San Marcos Departments. Several houses destroyed in Solola Department. Felt throughout southern and western Guatemala as far as Alta Verapaz and Zacapa Departments. Also felt in El Salvador and parts of southern Mexico. Moment Tensor (GS): Dep 40; Principal axes (scale 10**18 Nm): (T) Val=8.86, Plg=37, Azm=77; (N) Val=-0.13, Plg=26, Azm=326; (P) Val=-8.73, Plg=42, Azm=210; Best double couple: Mo=8.8*10**18 Nm; NP1: Strike=228, Dip=26, Slip=-7; NP2: Strike=325, Dip=87, Slip=-116. Centroid, Moment Tensor (HRV): Centroid origin time 08:20:14.4; Lat 14.37 N; Lon 91.93 W; Dep 55.0 Bdy; Half-duration 5.1 sec; Principal axes (scale 10**18 Nm): (T) Val=9.83, Plg=33, Azm=55; (N) Val=-1.67, Plg=17, Azm=313; (P) Val=-8.16, Plg=51, Azm=201; Best double couple: Mo=9.0*10**18 Nm; NP1: Strike=192, Dip=19, Slip=-29; NP2: Strike=310, Dip=81, Slip=-107. Scalar Moment (PPT): Mo=9.5*10**18 Nm.
10	08	37	29.3*	14.231	N	91.758	W	63	D	4.8	1.4	37	GUATEMALA. MD 4.8 (UNM). Felt in the epicentral area.
10	08	45	18.9&	37.743	N	14.986	E	10				59	SICILY. <ROM>. ML 3.5 (ROM). Some minor damage at Biancavilla. Felt along much of the eastern coast of Sicily as far south as Syracuse.
10	08	54	19.1&	61.314	N	147.681	W	34		4.7		94	SOUTHERN ALASKA. <AEIC>. ML 4.3 (AEIC), 4.4 (PMR). Felt at Anchorage and Eagle River.
10	09	08	01.7	12.149	S	72.183	W	49	*	5.2	1.1	55	CENTRAL PERU
10	09	52	37.0&	54.137	N	164.236	W	0		4.1		33	UNIMAK ISLAND REGION. <AEIC>. ML 4.0 (AEIC).
10	10	06	46.4	14.219	N	91.735	W	65	D	4.7	1.3	71	GUATEMALA. MD 4.8 (UNM).
10	10	33	10.0	11.052	S	166.035	E	100	G	4.5	1.1	67	SANTA CRUZ ISLANDS
10	11	13	49.3	44.545	N	10.186	E	10	G		0.9	27	NORTHERN ITALY. ML 2.7 (LDG).
10	11	27	03.3&	59.648	N	151.927	W	58				15	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
10	11	28	53.6*	11.844	S	72.176	W	33	N	4.2	1.2	11	CENTRAL PERU
10	11	29	00.4&	44.477	N	7.262	E	16				13	NORTHERN ITALY. <GEN>. ML 2.3 (GEN).
10	11	41	30.5	11.767	S	72.170	W	33	N	4.5	1.0	23	CENTRAL PERU
10	11	50	45.6	38.232	N	75.220	E	150	G	4.4	0.8	21	SOUTHERN XINJIANG, CHINA
10	12	49	28.4&	39.656	N	29.460	E	8				5	TURKEY. <ISK>. MD 2.6 (ISK).
10	12	49	48.8&	46.900	N	3.100	W	12				7	BAY OF BISCAY. <LDG>. ML 2.4 (LDG).
10	12	49	50.1&	44.475	N	7.265	E	15				20	NORTHERN ITALY. <GEN>. ML 2.6 (GEN), 2.5 (LDG), 2.1 (STR).
10	13	10	59.7&	37.630	N	118.868	W	6				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK).
10	13	42	09.4	35.301	N	21.702	E	33	N		0.9	23	CENTRAL MEDITERRANEAN SEA
10	14	02	49.2&	36.788	N	31.182	E	10	G			17	TURKEY. <ISK>. MD 3.5 (ISK).
10	14	17	18.6&	39.646	N	29.452	E	10	G			4	TURKEY. <ISK>. MD 2.5 (ISK).
10	15	23	48.3&	36.028	N	120.582	W	6				6	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
10	15	44	06.2	4.600	S	154.767	E	500	G	4.7	1.0	77	SOLOMON ISLANDS
10	15	53	36.4*	6.164	S	146.528	E	100	G	4.0	1.3	18	EASTERN NEW GUINEA REG., P.N.G.
10	16	28	42.8	40.210	S	174.834	E	70	G	3.8	0.5	14	COOK STRAIT, NEW ZEALAND. Felt at Waitarere Beach on the North Island.
10	16	46	54.7&	11.102	N	62.280	W	74				4	WINDWARD ISLANDS. <TRN>. MD 3.0 (TRN).
10	16	50	49.6&	8.027	N	82.861	W	15				6	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.1 (UPA).
10	17	43	59.1&	12.310	N	141.222	E	33	N		0.8	7	SOUTH OF MARIANA ISLANDS
10	18	37	55.3*	41.012	N	114.578	E	33	N		0.4	5	NORTHEASTERN CHINA
10	19	15	07.3*	41.792	N	141.503	E	100	G		1.1	7	HOKKAIDO, JAPAN REGION
10	19	21	56.5	37.264	N	20.793	E	33	N	4.9 5.1	1.2	290	IONIAN SEA. Mw 5.5 (HRV). ML 5.1 (ROM), 5.0 (THE). Felt in many parts of western Greece. Centroid, Moment Tensor (HRV): Centroid origin time 19:22:00.0; Lat 37.21 N; Lon 20.84 E; Dep 35.6; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.79, Plg=19, Azm=292; (N) Val=0.13, Plg=8, Azm=199; (P) Val=-1.92, Plg=69, Azm=88; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=35, Dip=26, Slip=-72; NP2:

Strike=195, Dip=65, Slip=-99.

10	20	26	20.0*	26.462	N	96.827	E	150	G	4.0	1.4	13	MYANMAR
10	20	48	20.4?	15.46	S	173.68	W	33	N	4.1	0.6	12	TONGA ISLANDS
10	20	57	08.1?	12.37	S	167.01	E	200	G	3.6	1.1	19	SANTA CRUZ ISLANDS
10	21	20	04.0?	40.38	S	175.66	E	70	G		0.2	8	NORTH ISLAND, NEW ZEALAND
10	21	22	09.3&	44.888	N	7.460	E	9				80	NORTHERN ITALY. <GEN>. ML 3.4 (GEN), 3.4 (LDG), 3.4 (STR), 3.1 (VIE).
10	21	23	04.1&	57.926	N	152.607	W	53				12	KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
10	21	39	04.7&	44.474	N	7.287	E	13				18	NORTHERN ITALY. <GEN>. ML 2.2 (GEN), 1.7 (LDG).
10	22	23	06.5*	40.015	N	19.153	E	33	N		1.1	5	ALBANIA
10	23	22	23.9	47.024	N	152.770	E	100	G	4.1	1.2	35	KURIL ISLANDS
10	23	36	48.8&	30.858	N	57.855	E	33	N		0.4	6	NORTHERN IRAN
11	00	28	30.6	1.271	S	133.883	E	33	N	3.9	0.7	14	IRIAN JAYA REGION, INDONESIA
11	00	39	38.2*	7.671	S	13.348	W	10	G	4.7 4.0	0.9	23	ASCENSION ISLAND REGION
11	02	39	29.9*	71.897	N	1.224	W	10	G	4.4 4.0	1.3	21	JAN MAYEN ISLAND REGION
11	02	40	50.4&	7.439	N	82.164	W	4				6	SOUTH OF PANAMA. <UPA>. MD 3.8 (UPA).
11	02	51	58.6?	15.58	S	173.77	W	33	N	4.6	0.8	11	TONGA ISLANDS
11	03	03	17.8&	32.567	S	70.903	W	80				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.9 (GUC).
11	03	03	58.2?	10.75	N	62.95	W	10	G	3.7	1.5	10	NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
11	03	24	16.5*	37.291	N	20.707	E	33	N		1.2	15	IONIAN SEA
11	03	25	22.9*	11.993	S	72.201	W	33	N	4.3	1.1	16	CENTRAL PERU
11	04	20	27.4?	13.30	N	120.89	E	33	N	4.0	1.2	7	MINDORO, PHILIPPINE ISLANDS
11	05	47	56.6*	2.517	N	99.509	E	33	N	4.6	0.4	5	NORTHERN SUMATERA, INDONESIA
11	06	27	54.3&	60.239	N	140.922	W	0				19	SOUTHEASTERN ALASKA. <AEIC>. ML 2.8 (AEIC), 2.6 (PGC).
11	06	32	56.4*	7.955	S	30.626	E	33	N	4.7	0.9	22	LAKE TANGANYIKA REGION
11	06	59	14.0	63.401	N	151.643	W	33	N		1.0	8	CENTRAL ALASKA. ML 2.8 (PMR).
11	07	14	15.8&	57.838	N	156.397	W	129		2.9		19	ALASKA PENINSULA. <AEIC>.
11	07	58	04.1&	47.700	N	0.500	W	11				8	FRANCE. <LDG>. ML 2.1 (LDG).
11	08	08	05.9	30.500	N	50.630	E	33	N	4.7	0.9	71	NORTHERN IRAN
11	08	42	11.9*	37.560	N	20.531	E	33	N	4.0	1.5	23	IONIAN SEA
11	08	44	10.6	47.658	N	9.188	E	5	G		0.9	27	GERMANY. ML 2.7 (VIE), 2.6 (LDG), 2.4 (FBB), 2.4 (FUR), 2.3 (STR).
11	08	55	05.1&	63.686	N	149.822	W	141		2.8		29	CENTRAL ALASKA. <AEIC>.
11	08	55	54.7*	17.687	S	166.966	E	33	N	4.4	1.1	26	VANUATU ISLANDS
11	09	09	56.7	50.195	N	156.360	E	70	D	5.3	0.7	213	KURIL ISLANDS. Mw 5.1 (HRV). Felt (IV) at Severo-Kurilsk. Centroid, Moment Tensor (HRV): Centroid origin time 09:09:57.9; Lat 49.93 N; Lon 156.34 E; Dep 93.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.09, Plg=32, Azm=124; (N) Val=-0.76, Plg=17, Azm=226; (P) Val=-5.33, Plg=52, Azm=339; Best double couple: Mo=5.7*10**16 Nm; NP1: Strike=168, Dip=20, Slip=-149; NP2: Strike=49, Dip=80, Slip=-72.
11	09	57	32.0*	2.542	N	126.903	E	33	N	4.0	1.0	8	NORTHERN MOLUCCA SEA
11	10	32	07.4&	39.180	N	27.470	E	10	G			4	TURKEY. <ISK>. MD 2.7 (ISK).
11	10	33	41.4	42.776	N	110.937	W	5	G		0.5	10	WYOMING. ML 2.7 (GS).
11	10	41	17.0&	39.364	N	27.878	E	5				4	TURKEY. <ISK>. MD 2.7 (ISK).
11	10	59	07.2*	29.891	N	42.496	W	10	G	4.4	0.6	10	NORTHERN MID-ATLANTIC RIDGE
11	11	17	09.6?	52.31	N	174.01	E	45	?	4.0	1.1	11	NEAR ISLANDS, ALEUTIAN ISLANDS
11	11	19	13.9*	31.227	N	141.798	E	33	N	4.2 3.7	1.1	22	SOUTH OF HONSHU, JAPAN
11	11	21	37.5?	4.47	S	152.67	E	100	G	4.4	0.9	8	NEW BRITAIN REGION, P.N.G.
11	12	01	13.0&	39.685	N	29.452	E	7				6	TURKEY. <ISK>. MD 2.6 (ISK).
11	13	06	15.2&	39.672	N	29.484	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
11	13	42	45.3&	43.000	N	0.200	W	2				14	PYRENEES. <LDG>. ML 2.7 (LDG), 2.4 (STR). Felt (I) in the Bigorre region, France.
11	13	53	12.8&	53.687	N	165.794	W	52				24	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 4.0 (AEIC).
11	14	10	47.2*	7.883	N	122.142	E	33	N	3.7	1.1	9	MINDANAO, PHILIPPINE ISLANDS
11	14	49	17.8*	11.708	S	72.166	W	33	N	4.4	1.2	12	CENTRAL PERU
11	15	00	51.6	9.355	S	119.264	E	33	N	3.0	1.1	16	SUMBA REGION, INDONESIA
11	15	25	27.3	43.594	N	140.595	E	197	D	4.7	0.8	137	HOKKAIDO, JAPAN REGION. Felt (I JMA) in southern Hokkaido.
11	16	14	54.6&	37.637	N	118.864	W	5				33	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.5 (BRK). ML 3.7 (GM), 3.8 (BRK), 3.6 (GS). Scalar Moment (BRK): Mo=2.2*10**14 Nm.
11	16	21	43.3&	37.639	N	118.865	W	5				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.2 (GM), 3.1 (BRK), 3.2 (GS).
11	16	31	17.8	0.001	S	125.176	E	33	N	4.1	1.4	19	SOUTHERN MOLUCCA SEA
11	17	23	45.7*	5.815	N	126.026	E	70	*	4.3	0.9	23	MINDANAO, PHILIPPINE ISLANDS
11	17	43	39.1*	44.154	N	10.604	E	10	G		0.9	11	NORTHERN ITALY. ML 2.4 (LDG).
11	17	43	40.6*	20.932	S	69.167	W	100	G	3.4	1.5	8	NORTHERN CHILE
11	18	08	54.9&	37.636	N	118.860	W	5				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK).
11	18	12	50.8&	59.633	N	153.020	W	101				85	SOUTHERN ALASKA. <AEIC>.
11	18	39	21.8*	44.892	N	146.199	E	228	*		0.9	10	KURIL ISLANDS
11	18	43	59.6&	37.639	N	118.856	W	4				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.2 (GM), 3.1 (BRK), 3.1 (GS).
11	18	57	06.4*	18.340	N	147.425	E	33	N	3.4	0.9	8	MARIANA ISLANDS REGION
11	18	57	11.1	52.117	N	172.048	W	33	N	4.6 4.3	1.1	72	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
11	19	18	30.1	16.125	N	120.957	E	33	N	4.8 3.9	0.9	49	LUZON, PHILIPPINE ISLANDS
11	19	57	31.3&	38.848	N	27.704	E	10	G			6	TURKEY. <ISK>. MD 3.0 (ISK).
11	22	15	41.0&	38.896	N	30.096	E	10	G			5	TURKEY. <ISK>. MD 2.8 (ISK).
11	22	29	09.1*	9.888	S	160.404	E	33	N	4.0	0.8	10	SOLOMON ISLANDS
11	23	09	11.2*	0.829	S	91.077	W	10	G	4.9	1.5	27	GALAPAGOS ISLANDS. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:09:16.9; Lat 0.85 S; Lon 91.20 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.85, Plg=23, Azm=75; (N) Val=0.72, Plg=66, Azm=271; (P) Val=-4.56, Plg=6, Azm=167; Best double couple: Mo=4.2*10**16 Nm; NP1: Strike=213, Dip=70, Slip=12; NP2: Strike=119, Dip=78, Slip=159.
11	23	37	32.0?	17.83	S	178.62	W	550	G	4.1	0.7	9	FIJI ISLANDS REGION
11	23	39	00.9*	34.259	S	112.199	W	10	G	5.2 5.0	1.4	69	SOUTHERN EAST PACIFIC RISE. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:39:06.4; Lat 34.40 S; Lon 112.39 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)

Val=1.19, Plg=0, Azm=227; (N) Val=-0.10, Plg=90, Azm=180; (P) Val=-1.09, Plg=0, Azm=137; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=272, Dip=90, Slip=-180; NP2: Strike=2, Dip=90, Slip=0.

11	23	40	29.9&	9.243	N	78.473	W	67				6	PANAMA. <UPA>. MD 3.2 (UPA).
11	23	48	01.9&	11.367	N	60.593	W	43				5	WINDWARD ISLANDS. <TRN>. MD 2.8 (TRN).
12	00	03	39.5&	34.161	S	70.373	W	117				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
12	00	04	32.7*	34.528	S	112.045	W	10	G	4.9 5.3	1.2	58	SOUTHERN EAST PACIFIC RISE. Mw 5.7 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 00:04:38.3; Lat 34.61 S; Lon 112.63 W; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=4.78, Plg=26, Azm=71; (N) Val=-0.82, Plg=62, Azm=227; (P) Val=-3.95, Plg=10, Azm=336; Best double couple: Mo=4.4*10**17 Nm; NP1: Strike=111, Dip=64, Slip=168; NP2: Strike=206, Dip=79, Slip=26.

12	00	25	30.1&	30.820	S	71.697	W	51				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
12	01	08	54.9&	44.482	N	7.290	E	14				9	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
12	01	10	37.9?	31.17	S	68.73	W	100	G		1.1	13	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (GUC).
12	01	11	01.8*	29.449	S	179.422	W	372	*	4.8	1.3	54	KERMADEC ISLANDS REGION
12	01	11	55.4*	1.980	N	126.529	E	33	N	4.6	1.2	13	NORTHERN MOLUCCA SEA
12	01	39	15.1&	36.450	N	3.180	W	0	G			18	STRAIT OF GIBRALTAR. <MDD>. mbLg 3.2 (MDD).
12	01	42	10.5&	36.510	N	3.160	W	0	G			10	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.4 (MDD).
12	01	49	50.2&	36.440	N	3.170	W	0	G			6	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.2 (MDD).
12	03	16	20.5	48.837	N	7.346	E	5	G		0.9	18	FRANCE. ML 2.5 (LDG), 2.0 (FBB), 1.8 (STR).
12	03	23	29.3	41.966	N	23.233	E	10	G		1.0	10	GREECE-BULGARIA BORDER REGION
12	04	06	03.7*	17.001	N	94.272	W	221	*		1.2	10	CHIAPAS, MEXICO. MD 4.2 (UNM).
12	04	10	56.0	23.611	S	176.230	W	116	D	5.3	1.0	92	SOUTH OF FIJI ISLANDS. Mw 5.4 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 04:10:52.9; Lat 23.79 S; Lon 175.62 W; Dep 40.5; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.21, Plg=59, Azm=286; (N) Val=0.27, Plg=12, Azm=38; (P) Val=-1.48, Plg=28, Azm=134; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=254, Dip=21, Slip=128; NP2: Strike=34, Dip=74, Slip=77.

12	04	12	06.1	24.954	S	70.008	W	53	D	5.3	1.2	98	NEAR COAST OF NORTHERN CHILE. Mw 5.6 (HRV). Felt (V) at Taltal, (IV) at Antofagasta, (III) at Mejillones and (II) at Tocopilla.

Centroid, Moment Tensor (HRV): Centroid origin time 04:12:15.3; Lat 24.99 S; Lon 70.81 W; Dep 37.1; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.85, Plg=66, Azm=94; (N) Val=0.58, Plg=6, Azm=351; (P) Val=-3.43, Plg=23, Azm=258; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=336, Dip=22, Slip=74; NP2: Strike=173, Dip=69, Slip=96.

12	05	11	08.2	3.466	S	145.778	E	33	N	4.8 4.7	1.1	33	NEAR N COAST OF NEW GUINEA, PNG.
12	05	22	26.7&	44.476	N	7.258	E	13				25	NORTHERN ITALY. <GEN>. ML 2.5 (GEN), 2.1 (LDG).
12	05	51	42.0	33.200	N	136.730	E	23	D	4.4	0.9	25	NEAR S. COAST OF WESTERN HONSHU. Felt (II JMA) in southern Mie and (I JMA) in southern Wakayama Prefectures.
12	06	36	24.9&	34.187	N	118.466	W	11				31	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt in the San Fernando Valley.
12	06	39	04.8*	32.226	S	179.946	W	191	D	4.1	1.1	15	SOUTH OF KERMADEC ISLANDS
12	07	41	32.9&	39.700	N	29.440	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
12	07	55	29.7?	21.82	S	171.19	E	33	N	3.5	0.2	7	LOYALTY ISLANDS REGION
12	07	58	45.1&	54.662	N	160.926	W	0				13	ALASKA PENINSULA. <AEIC>. ML 2.6 (AEIC).
12	08	05	53.5	2.692	N	128.269	E	70	D	5.3	1.2	79	HALMAHERA, INDONESIA. Mw 5.3 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 08:05:54.4; Lat 2.78 N; Lon 128.14 E; Dep 68.1; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=9.75, Plg=35, Azm=211; (N) Val=-0.23, Plg=17, Azm=109; (P) Val=-9.52, Plg=50, Azm=358; Best double couple: Mo=9.6*10**16 Nm; NP1: Strike=352, Dip=19, Slip=-26; NP2: Strike=106, Dip=82, Slip=-107.

12	08	55	45.5?	14.23	N	119.55	E	33	N	4.5	0.1	7	LUZON, PHILIPPINE ISLANDS
12	08	55	56.8*	19.397	S	169.523	E	250	G	4.1	1.1	25	VANUATU ISLANDS
12	09	04	02.4?	56.22	S	26.80	W	33	N		0.6	9	SOUTH SANDWICH ISLANDS REGION
12	09	38	29.5*	37.450	N	20.981	E	33	N		1.3	21	IONIAN SEA
12	09	39	29.4*	14.272	N	91.335	W	33	N	3.8	1.3	11	GUATEMALA. MD 4.4 (UNM).
12	09	57	29.3	39.660	N	27.865	E	10	G		0.5	8	TURKEY. MD 2.9 (ISK).
12	10	06	08.4*	6.856	N	76.760	W	45	*	4.0	1.3	23	NORTHERN COLOMBIA. MD 4.5 (UPA).
12	10	14	07.6	30.985	S	71.410	W	35	D	5.8 6.2	1.0	230	NEAR COAST OF CENTRAL CHILE. Mw 6.6 (GS), 6.6 (HRV). Me 6.1 (GS). Ms 6.2 (BRK). Felt (VI) at Combarbala and Ovalle; (V) at Coquimbo, Illapel, La Serena, Los Andes and Los Vilos; (IV) at Rancagua, San Antonio and Valparaiso; (III) at Santiago.

Broadband Source Parameters (GS): Dep 35; NP1: Strike=10, Dip=35, Slip=115; NP2: Strike=160, Dip=59, Slip=74; Radiated energy 2.9*10**13 Nm. Two events about 3.5 seconds apart. Depth based on first event.

Moment Tensor (GS): Dep 36; Principal axes (scale 10**19 Nm): (T) Val=0.82, Plg=76, Azm=167; (N) Val=0.29, Plg=13, Azm=9; (P) Val=-1.12, Plg=5, Azm=278: Best double couple: Mo=9.7*10**18 Nm; NP1: Strike=354, Dip=42, Slip=70; NP2: Strike=200, Dip=51, Slip=107.

Centroid, Moment Tensor (HRV): Centroid origin time 10:14:15.8; Lat 31.25 S; Lon 71.87 W; Dep 35.0 Bdy; Half-duration 4.9 sec; Principal axes (scale 10**18 Nm): (T) Val=8.64, Plg=72, Azm=83; (N) Val=0.16, Plg=0, Azm=174; (P) Val=-8.80, Plg=18, Azm=264; Best double couple: Mo=8.7*10**18 Nm; NP1: Strike=355, Dip=27, Slip=91; NP2: Strike=174, Dip=63, Slip=90.

Scalar Moment (PPT): Mo=1.2*10**19 Nm.

12	10	14	31.7	39.810	N	26.825	E	10	G		0.5	8	TURKEY. MD 2.9 (ISK).
12	10	34	25.0	31.027	S	71.684	W	33	N		1.0	23	NEAR COAST OF CENTRAL CHILE

12	10	37	25.8&	45.100	N	3.100	E	2				11	FRANCE. <LDG>. ML 2.5 (STR), 2.3 (LDG).
12	10	50	01.8&	30.929	S	71.447	W	18				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
12	10	54	51.2&	32.985	S	70.261	W	103				11	CHILE-ARGENTINA BORDER REGION. <GUC>.
12	10	55	17.9&	30.831	S	71.841	W	23				17	NEAR COAST OF CENTRAL CHILE. <GUC>.
12	11	05	46.4*	13.457	N	91.334	W	33	N	4.4	1.1	15	NEAR COAST OF GUATEMALA
12	11	08	16.1&	39.154	N	27.483	E	10	G			4	TURKEY. <ISK>. MD 2.7 (ISK).
12	11	12	25.4&	39.626	N	29.416	E	10	G		1.0	5	TURKEY. MD 2.6 (ISK).
12	11	15	53.6	31.082	S	71.765	W	47	*		0.6	23	NEAR COAST OF CENTRAL CHILE. MD 4.6 (GUC).
12	11	22	24.2&	31.027	S	71.986	W	33	N			8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
12	11	29	57.5&	31.175	S	72.217	W	13		4.9		37	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.7 (GUC).
12	12	07	46.0&	31.004	S	71.882	W	12				8	NEAR COAST OF CENTRAL CHILE. <GUC>.
12	12	09	24.3&	39.558	N	29.357	E	10	G		1.1	5	TURKEY. MD 2.6 (ISK).
12	12	14	57.0*	2.760	N	128.357	E	33	N	4.0	0.3	10	HALMAHERA, INDONESIA
12	12	37	02.9&	46.800	N	2.300	W	2				13	BAY OF BISCAY. <LDG>. ML 2.7 (LDG), 2.7 (STR).
12	12	46	48.9	9.926	S	119.071	E	51	*	3.9	1.3	27	SUMBA REGION, INDONESIA
12	12	53	15.1?	8.67	S	107.97	W	10	G	4.1	1.0	11	CENTRAL EAST PACIFIC RISE
12	13	13	44.6&	34.477	S	70.357	W	4				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
12	13	19	15.6&	31.020	S	72.035	W	18				9	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
12	13	23	05.6&	61.435	N	150.946	W	61		3.0		54	SOUTHERN ALASKA. <AEIC>. ML 3.6 (AEIC), 3.5 (PMR).
12	13	29	06.0&	39.264	N	27.614	E	14				4	TURKEY. <ISK>. MD 2.6 (ISK).
12	13	58	41.5&	47.160	N	154.239	E	33	N		0.8	10	KURIL ISLANDS
12	14	11	28.9&	46.100	N	3.500	E	2				11	FRANCE. <LDG>. ML 2.3 (LDG), 2.0 (STR).
12	14	15	44.7&	31.039	S	72.068	W	20				9	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
12	14	19	46.4&	30.805	S	71.824	W	15				7	NEAR COAST OF CENTRAL CHILE. <GUC>.
12	14	32	35.8&	60.237	N	150.184	W	51				34	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PMR).
12	14	56	09.5&	39.604	N	29.556	E	7				4	TURKEY. <ISK>. MD 2.6 (ISK).
12	14	56	19.9&	31.067	S	71.947	W	22				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
12	15	08	39.1	9.522	S	113.775	E	33	N		0.6	10	SOUTH OF JAWA, INDONESIA
12	15	09	34.6	42.978	N	12.854	E	10	G		1.3	31	CENTRAL ITALY. ML 3.8 (STR), 3.4 (LDG), 3.4 (VIE).
12	15	20	43.5&	39.223	N	27.264	E	5				4	TURKEY. <ISK>. MD 2.7 (ISK).
12	15	41	52.8&	37.748	N	15.009	E	10				8	SICILY. <ROM>. ML 3.0 (ROM).
12	15	57	17.1&	37.647	N	118.859	W	5				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.9 (GS). Two events about 30 seconds apart. Hypocenter and magnitude are for the first and larger event.
12	16	00	29.0&	33.234	N	115.569	W	3				10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
12	16	14	34.6*	5.449	S	102.373	E	33	N	4.2	1.4	19	SOUTHERN SUMATERA, INDONESIA
12	16	25	45.9&	39.008	N	26.545	E	10	G			4	TURKEY. <ISK>. MD 3.0 (ISK).
12	16	36	20.2	15.848	S	179.376	W	23	D	5.8 6.7	1.2	277	FIJI ISLANDS REGION. Mw 6.7 (GS), 6.7 (HRV). Me 6.9 (GS). Ms 6.9 (BRK). Broadband Source Parameters (GS): Dep 12; NP1: Strike=324, Dip=86, Slip=160; NP2: Strike=55, Dip=70, Slip=4; Radiated energy 4.9*10**14 Nm. Two events about 3 seconds apart. Depth based on first event. Moment Tensor (GS): Dep 25; Principal axes (scale 10**19 Nm): (T) Val=1.20, Plg=3, Azm=121; (N) Val=-0.04, Plg=79, Azm=229; (P) Val=-1.16, Plg=10, Azm=31; Best double couple: Mo=1.2*10**19 Nm; NP1: Strike=166, Dip=80, Slip=-175; NP2: Strike=75, Dip=85, Slip=-10. Centroid, Moment Tensor (HRV): Centroid origin time 16:36:28.9; Lat 15.78 S; Lon 179.19 W; Dep 15.0 Bdy; Half-duration 5.2 sec; Principal axes (scale 10**19 Nm): (T) Val=1.13, Plg=1, Azm=120: (N) Val=0.11, Plg=88, Azm=240: (P) Val=-1.24, Plg=2, Azm=30: Best double couple: Mo=1.2*10**19 Nm; NP1: Strike=165, Dip=88, Slip=-180; NP2: Strike=75, Dip=90, Slip=-2. Scalar Moment (PPT): Mo=2.3*10**19 Nm.
12	16	53	51.2	50.672	N	12.424	E	5	G		0.4	6	GERMANY. ML 2.4 (GRF).
12	17	10	49.8*	18.949	S	176.964	W	33	N	4.1	0.7	9	FIJI ISLANDS REGION
12	17	32	10.6&	31.224	S	72.091	W	15				8	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
12	18	05	20.8&	44.364	N	7.218	E	15				4	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
12	18	21	15.6*	16.888	N	120.698	E	126	?	3.9	0.7	18	LUZON, PHILIPPINE ISLANDS
12	18	30	07.6	50.691	N	12.372	E	5	G		0.8	7	GERMANY. ML 2.3 (GRF).
12	19	05	23.9&	30.632	S	71.291	W	50				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
12	19	36	16.4*	43.549	N	133.990	E	434	*	3.9	1.2	22	NEAR SOUTHEAST COAST OF RUSSIA
12	19	46	22.0	40.809	N	35.252	E	10	G	4.2	1.2	20	TURKEY. MD 3.9 (ISK).
12	20	56	51.7*	7.950	S	120.670	E	33	N		0.6	9	FLORES SEA
12	21	20	30.0	18.515	S	178.214	W	483	D	4.8	0.9	89	FIJI ISLANDS REGION
12	21	32	57.8&	36.440	N	3.220	W	0	G			11	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.5 (MDD).
12	21	36	54.0*	5.604	N	126.817	E	150	G	4.0	1.1	13	MINDANAO, PHILIPPINE ISLANDS
12	22	19	39.5*	16.182	S	179.434	W	200	G	4.1	1.3	31	FIJI ISLANDS REGION
12	22	39	58.1	9.354	N	93.618	E	122	D	5.2	0.9	228	NICOBAR ISLANDS, INDIA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:40:02.3; Lat 9.38 N; Lon 93.63 E; Dep 110.8; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.49, Plg=42, Azm=75; (N) Val=-0.44, Plg=48, Azm=252; (P) Val=-1.05, Plg=2, Azm=344; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=111, Dip=60, Slip=149; NP2: Strike=218, Dip=64, Slip=33.
12	22	55	59.9	39.899	N	26.784	E	10	G		0.6	6	TURKEY. MD 2.9 (ISK).
12	23	09	58.8*	5.734	S	153.464	E	65	?		0.7	14	NEW IRELAND REGION, P.N.G.
12	23	46	01.7&	60.080	N	153.614	W	163				57	SOUTHERN ALASKA. <AEIC>.
13	00	12	05.0&	39.813	N	27.901	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
13	00	13	11.3&	30.718	S	72.152	W	45				9	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
13	00	21	15.6*	33.631	N	136.877	E	383	*		0.6	6	NEAR S. COAST OF WESTERN HONSHU
13	00	26	25.2*	23.256	N	125.401	E	33	N		1.2	10	SOUTHWESTERN RYUKYU ISLANDS
13	00	31	49.8&	35.396	N	87.804	E	33	N		0.9	11	XIZANG
13	00	50	41.9&	20.873	N	120.872	E	33	N		1.3	11	PHILIPPINE ISLANDS REGION
13	01	09	34.9&	33.242	N	115.569	W	4				47	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS), 3.6 (GS).
13	01	15	12.8&	36.540	N	2.990	W	0				5	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.7 (MDD).
13	01	25	45.9	31.072	S	71.774	W	32	D	5.1 4.5	1.0	72	NEAR COAST OF CENTRAL CHILE. MD 5.0 (GUC). Felt (III) at Pichicui and Zapallar; (II) at Illapel, Quilpue, Santiago, Valparaiso, Ventanas and Villa Alemana.
13	01	49	14.6	42.804	N	12.897	E	10	G		1.1	33	CENTRAL ITALY. ML 3.5 (VIE), 3.3 (LDG).

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13  02 00 38.9? 37.20  N  135.17  E  382 ?          0.5    5  SEA OF JAPAN
13  02 08 54.7% 8.538  N   93.666 E   33 N          0.8   10  NICOBAR ISLANDS, INDIA
13  02 26 23.5? 53.43  S  131.66  W   10 G  3.8      0.9   11  PACIFIC-ANTARCTIC RIDGE
13  03 20 53.5& 10.953 N   62.194 W   64                5  NEAR COAST OF VENEZUELA. <TRN>. MD 3.0 (TRN).
13  03 34 33.5* 51.792 N  104.662 E   10 G  3.6      1.3    8  LAKE BAYKAL REGION, RUSSIA
13  03 37 18.3& 35.884 N  117.363 W    1                   11  CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
13  04 12 15.7& 63.292 N  151.589 W   41                   11  CENTRAL ALASKA. <AEIC>. ML 2.2 (AEIC), 2.7 (PMR).
13  04 28 20.8* 33.924 N  141.897 E   33 N  3.6      1.0    7  OFF EAST COAST OF HONSHU, JAPAN
13  04 54 23.1? 37.37  N   71.88  E  149 ?  3.9      1.0   15  AFGHANISTAN-TAJIKISTAN BORD REG.
13  05 01 24.8& 38.590 N    0.910 W    0                   5  SPAIN. <MDD>. mbLg 2.1 (MDD).
13  05 12 00.4& 32.145 S   71.639 W   24                   9  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
13  05 12 42.7& 8.670  N   82.910 W    6                   4  PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.5 (UPA).
13  05 29 24.1* 1.176  N  123.301 E   33 N  3.7      1.1    9  MINAHASSA PENINSULA, SULAWESI
13  05 54 51.1  51.632 N   16.253 E    5 G              1.0   12  POLAND. ML 3.4 (VIE).
13  06 11 49.0& 31.089 S   71.991 W   33 N                14  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
13  06 35 32.2  44.761 N  113.671 W    5 G              0.8   19  EASTERN IDAHO. ML 3.0 (GS), 3.6 (BUT).
13  06 47 45.6& 33.246 S   69.032 W    5                   11  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC).
13  07 03 24.8  27.776 S   69.535 W   99 D  5.0      1.1   79  NORTHERN CHILE. MD 4.7 (GUC). Felt (III) at Copiapo and
                                                              Tierra Amarilla.
13  07 03 30.9* 8.440  N   93.639 E   33 N  4.6      1.2   19  NICOBAR ISLANDS, INDIA
13  07 14 22.5& 31.039 S   72.104 W   33 N                10  OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
13  07 22 37.5? 28.60  S  177.49  W  200 G  3.9      1.1   12  KERMADEC ISLANDS REGION
13  08 30 36.6& 16.238 N   99.073 W   16                  20  NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.1 (UNM).
13  08 31 31.5& 32.889 S   70.252 W  104                  12  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
13  08 49 12.9  55.517 S   28.199 W   33 N  5.5 5.1  1.0   99  SOUTH SANDWICH ISLANDS REGION. Mw 5.5 (HRV).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               08:49:14.0; Lat 55.64 S; Lon 28.29 W; Dep 15.0 Fix; Half-
                                                               duration 1.3 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=2.39, Plg=14, Azm=298; (N) Val=-0.64, Plg=11, Azm=30;
                                                               (P) Val=-1.75, Plg=72, Azm=156; Best double couple:
                                                               Mo=2.1*10**17 Nm; NP1: Strike=13, Dip=32, Slip=-110; NP2:
                                                               Strike=217, Dip=60, Slip=-78.
13  09 40 18.7& 39.630 N   29.445 E   10 G                  4  TURKEY. <ISK>. MD 2.6 (ISK).
13  09 46 48.8& 38.799 N   25.733 E   12                    5  AEGEAN SEA. <ISK>. MD 3.3 (ISK).
13  09 50 11.2  4.099  S  129.115 E   44    5.9 5.5  1.1  179  BANDA SEA. Mw 5.9 (GS), 5.8 (HRV). Felt (II) at Ambon,
                                                               Indonesia.
                                                              Moment Tensor (GS): Dep 5; Principal axes (scale 10**17 Nm):
                                                               (T) Val=7.39, Plg=77, Azm=208; (N) Val=-0.06, Plg=9,
                                                               Azm=339; (P) Val=-7.33, Plg=10, Azm=70; Best double couple:
                                                               Mo=7.4*10**17 Nm; NP1: Strike=171, Dip=36, Slip=105; NP2:
                                                               Strike=333, Dip=55, Slip=79.
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               09:50:12.1; Lat 4.30 S; Lon 129.23 E; Dep 27.5; Half-
                                                               duration 1.8 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=4.66, Plg=47, Azm=305; (N) Val=0.87, Plg=43, Azm=135;
                                                               (P) Val=-5.53, Plg=5, Azm=41; Best double couple:
                                                               Mo=5.1*10**17 Nm; NP1: Strike=94, Dip=55, Slip=34; NP2:
                                                               Strike=343, Dip=63, Slip=140.
13  10 08 51.7& 6.660  N   79.634 W   33                    6  SOUTH OF PANAMA. <UPA>. MD 4.1 (UPA).
13  10 21 43.3& 31.230 S   71.965 W   18                    6  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
13  10 30 44.7* 16.158 S  179.664 W  300 G  3.1      0.9   11  FIJI ISLANDS REGION
13  10 47 24.4& 30.920 S   72.206 W   53                   12  OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
13  11 15 30.3& 39.730 N   27.012 E    6                    4  TURKEY. <ISK>. MD 2.9 (ISK).
13  11 15 35.6* 35.591 N  138.408 E  261 *  3.3      0.9    7  EASTERN HONSHU, JAPAN
13  11 24 49.2& 31.125 S   72.021 W   51                   10  OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
13  11 37 58.8& 37.628 N  118.867 W    6                    5  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
13  12 03 13.0& 30.968 S   72.060 W   51                   11  OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
13  12 05 00.6  35.261 N   78.603 E   33 N  4.7      1.4   43  EASTERN KASHMIR
13  12 13 58.4& 39.644 N   29.408 E   10 G                  5  TURKEY. <ISK>. MD 2.6 (ISK).
13  12 18 04.5* 35.413 N   78.349 E   33 N  3.8      1.4   20  EASTERN KASHMIR
13  12 18 36.6  35.360 N   78.298 E   33 N  4.7 3.7  1.1   47  EASTERN KASHMIR
13  12 34 22.5* 37.374 N   20.938 E   33 N              1.0   13  IONIAN SEA
13  12 39 30.4? 35.23  N   78.43  E   33 N  3.6      1.7   10  EASTERN KASHMIR
13  13 02 13.5& 39.211 N   27.474 E    5                    4  TURKEY. <ISK>. MD 2.7 (ISK).
13  13 16 22.0% 48.332 N    8.095 E   10 G              0.7    8  GERMANY. ML 1.7 (STR).
13  13 25 04.4* 16.030 S  179.327 W   33 N  4.9 5.0  1.1   37  FIJI ISLANDS REGION. Mw 5.5 (HRV).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               13:25:08.8; Lat 15.67 S; Lon 179.08 W; Dep 15.0 Fix; Half-
                                                               duration 1.4 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=1.92, Plg=10, Azm=300; (N) Val=0.05, Plg=74, Azm=68;
                                                               (P) Val=-1.96, Plg=13, Azm=207; Best double couple:
                                                               Mo=1.9*10**17 Nm; NP1: Strike=344, Dip=74, Slip=-178; NP2:
                                                               Strike=253, Dip=88, Slip=-16.
13  13 29 40.9& 39.631 N   29.449 E   10 G                  4  TURKEY. <ISK>. MD 2.6 (ISK).
13  13 32 23.7? 6.46   S  126.34  E  458 ?  4.0      1.2   11  BANDA SEA
13  14 37 08.4& 35.020 S   71.230 W   80                   13  CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
13  14 40 19.2* 32.557 N   67.052 E   33 N              1.4   15  AFGHANISTAN
13  14 43 25.2* 39.008 N  139.663 E   33 N  4.7      1.3   16  NEAR WEST COAST OF HONSHU, JAPAN
13  14 58 04.3  51.647 N   16.184 E    5 G              0.8   14  POLAND. ML 3.6 (VIE).
13  15 15 54.4& 48.600 N    5.800 E    2                    5  FRANCE. <LDG>. ML 2.5 (LDG).
13  15 50 16.3& 39.765 N   27.846 E   10 G                  4  TURKEY. <ISK>. MD 2.8 (ISK).
13  16 03 19.2  8.065  S  117.600 E   33 N              0.5    9  SUMBAWA REGION, INDONESIA
13  16 17 54.9& 9.277  N   79.177 W   65                   6  PANAMA. <UPA>. MD 3.7 (UPA).
13  16 20 47.1& 7.742  N   80.954 W   27                   4  PANAMA. <UPA>. MD 3.0 (UPA).
13  17 01 36.5  14.098 S   73.468 W   94 D  5.0      1.0   69  CENTRAL PERU. Mw 5.3 (HRV).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               17:01:44.1; Lat 14.17 S; Lon 73.67 W; Dep 104.7; Half-
                                                               duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                               Val=9.40, Plg=4, Azm=143; (N) Val=-0.94, Plg=15, Azm=51;
                                                               (P) Val=-8.46, Plg=74, Azm=247; Best double couple:
                                                               Mo=8.9*10**16 Nm; NP1: Strike=249, Dip=43, Slip=-67; NP2:
                                                               Strike=39, Dip=51, Slip=-110.
13  17 09 50.2* 28.878 N   52.128 E   33 N              1.3   11  SOUTHERN IRAN
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13  17 17 07.6  35.518 N  140.165 E   62 D  5.0       1.1   89  NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) in Chiba
                                                                 and eastern Shizuoka Prefectures. Also felt in the Tokyo-
                                                                 Yokohama area.
13  17 23 56.1& 6.614 N   77.854 W   46                      6  NEAR WEST COAST OF COLOMBIA. <UPA>. MD 3.9 (UPA).
13  18 17 29.2? 12.85  S  166.80  E  100 G  4.3       1.1   11  SANTA CRUZ ISLANDS
13  19 01 34.9& 30.983 S   72.155 W   51                     11  OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
13  19 44 32.9  35.011 N   86.526 E   18 D  5.1 4.9  0.9  120  XIZANG
13  20 35 17.2* 22.124 S   63.815 W  525     4.4       0.7   15  SALTA PROVINCE, ARGENTINA
13  20 48 43.4* 28.655 N   93.668 E   33 N  4.5       1.4   17  EASTERN XIZANG-INDIA BORDER REG.
13  20 50 11.0   4.799 N  127.407 E  121     4.6       1.1   57  TALAUD ISLANDS, INDONESIA
13  21 19 36.2& 9.301 N   79.157 W   64                      6  PANAMA. <UPA>. MD 3.1 (UPA).
13  22 07 51.4& 47.900 N    7.700 E    2                      5  SWITZERLAND. <LDG>. ML 1.9 (LDG).
13  22 12 56.6? 12.96  S  165.16  E   33 N  4.4       0.6    5  SANTA CRUZ ISLANDS
13  22 33 16.5   0.089 N  123.546 E  128 *  4.7       1.3   33  MINAHASSA PENINSULA, SULAWESI
13  22 39 53.4& 30.661 S   72.226 W   55                     14  OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
13  23 18 38.9? 17.02  S  178.65  W  400 G  3.6       0.8    9  FIJI ISLANDS REGION
13  23 46 38.7& 31.094 S   72.156 W   47                     13  OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
14  00 19 49.2& 45.800 N    7.100 E    2                     15  NORTHERN ITALY. <LDG>. ML 2.2 (LDG).
14  00 27 14.9? 2.45  S  152.90  E   33 N  4.3       1.5    8  NEW IRELAND REGION, P.N.G.
14  00 29 34.6% 40.317 S  173.597 E  150 G                 0.3    8  COOK STRAIT, NEW ZEALAND
14  01 39 00.8& 6.662 N   78.112 W   11                      6  SOUTH OF PANAMA. <UPA>. MD 4.0 (UPA).
14  01 46 20.3& 40.706 N   29.784 E    6                      4  TURKEY. <ISK>. MD 2.7 (ISK).
14  02 37 03.8* 39.612 S   46.364 E   10 G  4.8 5.5  1.2   22  SOUTHWEST INDIAN RIDGE. Mw 5.8 (HRV).
                                                                 Centroid, Moment Tensor (HRV): Centroid origin time
                                                                 02:37:14.2; Lat 39.76 S; Lon 46.41 E; Dep 15.0 Fix; Half-
                                                                 duration 1.9 sec; Principal axes (scale 10**17 Nm): (T)
                                                                 Val=5.42, Plg=11, Azm=324; (N) Val=-0.01, Plg=72, Azm=91;
                                                                 (P) Val=-5.41, Plg=14, Azm=231; Best double couple:
                                                                 Mo=5.4*10**17 Nm; NP1: Strike=8, Dip=72, Slip=-178; NP2:
                                                                 Strike=277, Dip=88, Slip=-18.
14  02 44 00.5? 35.12  N  141.40  E   33 N  4.3       1.2   10  NEAR EAST COAST OF HONSHU, JAPAN
14  02 56 41.4* 35.074 N  141.223 E   33 N  4.2       1.3   11  NEAR EAST COAST OF HONSHU, JAPAN
14  03 56 13.1& 30.742 S   71.878 W   49                     13  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
14  04 02 12.5& 30.932 S   71.968 W   47                     12  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
14  04 19 55.0* 40.792 N   23.661 E   10 G                 0.5    5  GREECE
14  04 32 40.6* 27.840 S  178.895 W  334 ?  4.1       0.8   22  KERMADEC ISLANDS REGION
14  04 49 20.1   4.177 S  129.023 E   47     4.9 4.4  1.1   68  BANDA SEA
14  05 01 58.3  45.690 N   26.571 E  155                     1.1   40  ROMANIA
14  05 36 10.2  53.162 N  172.546 W  157 *  4.9       0.9   44  ANDREANOF ISLANDS, ALEUTIAN IS.
14  05 38 01.4& 39.671 N   27.755 E    5                      8  TURKEY. <ISK>. MD 2.9 (ISK).
14  05 43 27.3* 7.450 S  127.801 E  150 ?  4.0       1.2   23  BANDA SEA
14  06 30 41.1? 9.57  S  114.32  E   33 N                 0.2    4  SOUTH OF BALI, INDONESIA
14  06 35 44.0  31.803 S   68.191 W  112 D  5.1       1.0   99  SAN JUAN PROVINCE, ARGENTINA. Mw 5.2 (HRV). MD 5.1 (GUC).
                                                                 Centroid, Moment Tensor (HRV): Centroid origin time
                                                                 06:35:48.9; Lat 31.82 S; Lon 68.16 W; Dep 134.5; Half-
                                                                 duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                 Val=6.73, Plg=18, Azm=110; (N) Val=2.53, Plg=16, Azm=206;
                                                                 (P) Val=-9.27, Plg=65, Azm=336; Best double couple:
                                                                 Mo=8.0*10**16 Nm; NP1: Strike=176, Dip=31, Slip=-123; NP2:
                                                                 Strike=34, Dip=65, Slip=-72.
14  06 45 58.9& 30.873 S   72.146 W   49                     13  OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
14  06 51 33.7& 41.341 N   29.300 E   10                      5  TURKEY. <ISK>. MD 2.7 (ISK).
14  06 52 41.6* 15.247 S  167.571 E   81 ?  4.5       1.2   64  VANUATU ISLANDS
14  06 56 36.3? 54.96  N  163.32  E   33 N                 1.1    8  OFF EAST COAST OF KAMCHATKA
14  07 06 09.9& 39.670 N   29.489 E   10                      5  TURKEY. <ISK>. MD 2.6 (ISK).
14  07 16 44.2% 40.059 S  177.024 E   33 N                 0.5   12  OFF E. COAST OF N. ISLAND, N.Z. ML 3.8 (WEL).
14  07 36 45.0   7.187 S  123.298 E  631     4.4       0.9   27  BANDA SEA
14  08 03 41.8& 39.380 N   27.853 E    9                      6  TURKEY. <ISK>. MD 2.8 (ISK).
14  08 05 11.4& 39.720 N   29.444 E   10                      5  TURKEY. <ISK>. MD 2.6 (ISK).
14  08 44 24.0  44.086 N   12.010 E   10 G                 1.1   86  NORTHERN ITALY. ML 3.7 (STR), 3.6 (VIE), 3.5 (LDG).
14  09 23 50.8* 6.875 N  73.141 W  160 ?  4.2       1.3   17  NORTHERN COLOMBIA
14  09 53 11.0& 44.166 N    8.616 E    9                      9  NORTHERN ITALY. <GEN>. ML 2.4 (GEN).
14  10 14 28.3& 39.672 N   29.467 E   10                      4  TURKEY. <ISK>. MD 2.6 (ISK).
14  10 45 54.1& 39.207 N   29.194 E    5                      5  TURKEY. <ISK>. MD 2.6 (ISK).
14  11 07 44.6& 35.294 S   71.871 W   71                     13  CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
14  11 15 42.5? 49.00  S  124.62  E   10 G  3.7       1.1    8  SOUTH OF AUSTRALIA
14  11 16 28.8& 61.715 N  150.158 W   37                     54  SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
14  11 31 52.3& 43.430 N    5.450 E   10                     17  NEAR SOUTH COAST OF FRANCE. <STR>. ML 3.3 (STR). Mining
                                                                 induced event in the Gardanne area.
14  12 35 33.1* 51.017 N  176.686 W   33 N                 1.1   10  ANDREANOF ISLANDS, ALEUTIAN IS.
14  13 51 17.7& 44.302 N    7.216 E    7                      7  NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
14  13 54 35.3& 39.688 N   29.422 E   10                      4  TURKEY. <ISK>. MD 2.6 (ISK).
14  15 54 04.4   1.477 N  127.361 E  173 *  4.3       1.0   30  HALMAHERA, INDONESIA
14  15 57 42.7  46.650 N   15.209 E   10 G                 1.0    9  NORTHWESTERN BALKAN REGION. ML 2.6 (VIE), 2.0 (LJU).
14  16 03 11.7? 16.76  N  121.49  E   33 N  3.7       1.3    7  LUZON, PHILIPPINE ISLANDS
14  16 14 39.0& 60.075 N  151.419 W   66                     81  KENAI PENINSULA, ALASKA. <AEIC>. ML 3.2 (AEIC).
14  16 23 24.1* 10.313 N   93.010 E   33 N                 1.2    6  ANDAMAN ISLANDS, INDIA
14  16 24 56.8& 49.350 N    6.950 E   10                      8  GERMANY. <STR>. ML 2.1 (STR).
14  16 52 56.4  15.415 S   71.030 W  171 D  4.8       1.1   57  SOUTHERN PERU
14  16 55 53.9  34.914 N   86.573 E   33 N  4.4       1.1   29  XIZANG
14  17 03 12.3& 30.962 S   71.851 W   51                      9  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
14  17 17 16.5? 16.02  S  179.40  W   33 N                 0.9   13  FIJI ISLANDS REGION
14  17 24 10.3  15.731 S  179.329 W   33 N  5.8 6.5  1.0  198  FIJI ISLANDS REGION. Mw 6.6 (GS), 6.5 (HRV). Ms 6.7 (BRK).
                                                                 Moment Tensor (GS): Dep 21; Principal axes (scale 10**18
                                                                 Nm): (T) Val=7.93, Plg=11, Azm=296; (N) Val=-0.13, Plg=76,
                                                                 Azm=152; (P) Val=-7.80, Plg=8, Azm=27; Best double couple:
                                                                 Mo=7.9*10**18 Nm; NP1: Strike=72, Dip=76, Slip=2; NP2:
                                                                 Strike=341, Dip=88, Slip=166.
                                                                 Centroid, Moment Tensor (HRV): Centroid origin time
                                                                 17:24:16.0; Lat 15.49 S; Lon 179.15 W; Dep 15.0 Fix; Half-
                                                                 duration 4.4 sec; Principal axes (scale 10**18 Nm): (T)
                                                                 Val=6.98, Plg=7, Azm=294; (N) Val=0.85, Plg=75, Azm=50; (P)
                                                                 Val=-7.82, Plg=14, Azm=203; Best double couple:
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                                                                                Mo=7.4*10**18 Nm; NP1: Strike=339, Dip=76, Slip=-175; NP2:
                                                                                Strike=248, Dip=85, Slip=-14.
                                                                               Scalar Moment (PPT): Mo=1.3*10**19 Nm.
14  17 36 25.7& 37.642 N  118.869 W    4                          5  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
14  17 43 49.3& 31.066 S   72.036 W   43                          9  OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
14  17 54 34.9& 17.740 N   66.720 W   16                          4  PUERTO RICO REGION. <MPR>. MD 2.7 (MPR).
14  17 54 50.2  21.712 N  121.813 E   33 N  4.6      1.3   33  TAIWAN REGION
14  17 57 16.2  21.752 N  121.737 E   33 N  4.7 4.9  0.9   27  TAIWAN REGION
14  18 43 30.3? 5.58  S  147.43  E  170 *  4.3      1.1    9  EASTERN NEW GUINEA REG., P.N.G.
14  18 50 43.2* 42.442 N  140.783 E  155 *  4.3      1.1   21  HOKKAIDO, JAPAN  REGION
14  18 53 14.9   2.110 S   68.094 E   10 G  5.3 5.6  1.1  151  CARLSBERG RIDGE. Mw 6.0 (HRV).
                                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                                18:53:23.2; Lat 2.04 S; Lon 68.59 E; Dep 15.0 Fix; Half-
                                                                                duration 2.2 sec; Principal axes (scale 10**18 Nm): (T)
                                                                                Val=0.96, Plg=39, Azm=294; (N) Val=0.47, Plg=1, Azm=24; (P)
                                                                                Val=-1.43, Plg=51, Azm=115; Best double couple:
                                                                                Mo=1.2*10**18 Nm; NP1: Strike=18, Dip=6, Slip=-96; NP2:
                                                                                Strike=204, Dip=84, Slip=-89.
14  18 58 16.0& 40.270 N  122.820 W   45                         13  NORTHERN CALIFORNIA. <GM-P>. ML 3.5 (GM).
14  19 36 25.6& 33.191 S   70.661 W   92                         13  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
14  19 38 01.1& 40.809 N   29.227 E   13                          5  TURKEY. <ISK>. MD 2.6 (ISK).
14  19 56 12.5  15.764 S  179.303 W   33 N  5.3 5.7  1.0  118  FIJI ISLANDS REGION. Mw 5.9 (HRV).
                                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                                19:56:15.7; Lat 15.34 S; Lon 179.19 W; Dep 15.0 Fix; Half-
                                                                                duration 2.0 sec; Principal axes (scale 10**17 Nm): (T)
                                                                                Val=6.50, Plg=2, Azm=131; (N) Val=1.77, Plg=67, Azm=37; (P)
                                                                                Val=-8.27, Plg=23, Azm=222; Best double couple:
                                                                                Mo=7.4*10**17 Nm; NP1: Strike=264. Dip=73, Slip=-16; NP2:
                                                                                Strike=359, Dip=75, Slip=-162.
14  20 05 43.4   6.949 S  129.384 E  197     5.4      1.1  117  BANDA SEA
14  20 09 38.0  15.410 S  167.510 E  118 D  5.0      1.2   90  VANUATU ISLANDS
14  21 27 43.9* 15.745 S  179.435 W   33 N  4.6      0.9   30  FIJI ISLANDS REGION
14  22 13 17.4& 30.987 S   71.952 W   51                         11  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
14  22 14 47.1* 39.598 S  177.402 E   33 N  3.9      0.6   11  OFF E. COAST OF N. ISLAND, N.Z. ML 4.2 (WEL). Felt at Napier.
14  22 46 42.6& 39.843 N   27.634 E   13                          6  TURKEY. <ISK>. MD 2.8 (ISK).
14  22 48 20.2& 39.694 N   27.788 E   10                          8  TURKEY. <ISK>. MD 2.9 (ISK).
14  23 41 45.8& 60.792 N  150.582 W    8                         46  KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
15  00 02 17.7& 61.347 N  147.105 W   14                         89  SOUTHERN ALASKA. <AEIC>. ML 3.7 (AEIC), 3.9 (PMR).
15  00 21 50.5? 37.65  N   73.16  E   33 N  3.3      0.6    5  TAJIKISTAN
15  00 37 27.2* 39.110 N  143.287 E   33 N  3.9      1.2    8  OFF EAST COAST OF HONSHU, JAPAN
15  00 42 01.1? 56.53  N   33.71  W   10 G  3.8      1.4    5  NORTH ATLANTIC OCEAN
15  00 43 46.4? 56.24  N   34.41  W   10 G           1.4    6  NORTH ATLANTIC OCEAN
15  00 49 42.6& 10.850 N   62.258 W   77                         8  NEAR COAST OF VENEZUELA. <TRN>. MD 3.4 (TRN).
15  00 55 13.2& 39.683 N   27.851 E    5                         5  TURKEY. <ISK>. MD 2.8 (ISK).
15  00 55 55.0& 30.523 S   71.709 W   51                         9  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
15  01 12 41.6* 53.605 S    3.174 E   10 G  4.4      1.3   10  BOUVET ISLAND REGION
15  01 17 59.9*  3.666 S  139.886 E   27 *  3.7      1.4   14  IRIAN JAYA, INDONESIA
15  01 28 32.7? 55.82  N   34.63  W   10 G  3.8      1.1    7  NORTH ATLANTIC OCEAN
15  01 49 11.8  13.955 N   91.223 W   61 D  4.7      1.2   67  NEAR COAST OF GUATEMALA
15  02 12 50.6* 24.688 N  122.010 E   33 N  4.3      1.3   13  TAIWAN REGION
15  02 23 04.4* 23.946 S   66.573 W  219 *  4.4      1.1   15  JUJUY PROVINCE, ARGENTINA
15  03 33 08.2  67.697 N  139.406 E   10 G  5.0      0.9  115  EASTERN SIBERIA, RUSSIA
15  03 42 26.7& 44.506 N    7.270 E    8                        21  NORTHERN ITALY. <GEN>. ML 2.2 (GEN), 1.9 (LDG).
15  04 00 51.4* 26.281 N   55.391 E   33 N  4.6      1.1   25  SOUTHERN IRAN
15  04 54 52.2* 51.861 N  173.783 W   54 D  4.4      1.3   27  ANDREANOF ISLANDS, ALEUTIAN IS.
15  05 15 38.6* 60.385 S   50.162 W   10 G           0.6   10  SCOTIA SEA
15  05 17 46.7* 15.301 S  179.482 W   33 N  4.7 4.7  1.2   35  FIJI ISLANDS REGION
15  05 21 11.0? 14.42  N   91.22  W   33 N  3.6      1.4    7  GUATEMALA
15  05 59 03.7& 62.051 N  147.799 W   33 N                    105  CENTRAL ALASKA. <AEIC>. ML 4.1 (AEIC), 4.1 (PMR).
15  06 04 25.1  49.395 N    6.955 E    5 G           0.6    8  GERMANY. ML 2.0 (UCC), 1.9 (DBN).
15  06 36 29.2*  3.999 S  152.531 E   33 N  4.4      1.1   18  NEW IRELAND REGION, P.N.G.
15  06 37 01.7* 32.627 S  179.391 E  150 G  5.0      1.0   30  SOUTH OF KERMADEC ISLANDS
15  07 42 20.5& 33.902 S   71.403 W   46                        12  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
15  08 25 00.4? 7.45  N   33.95  W   10 G  3.7      1.4    7  CENTRAL MID-ATLANTIC RIDGE
15  08 41 09.8& 60.435 N  143.227 W   15                         43  SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PGC).
15  08 44 31.4& 27.550 N   17.700 W    2                         5  CANARY ISLANDS REGION. <MDD>. mbLg 3.8 (MDD). Felt slightly
                                                                                on El Hierro.
15  08 59 42.5? 62.45  S  153.78  E   10 G  4.5      1.2   19  BALLENY ISLANDS REGION
15  09 01 23.5  42.864 N   12.841 E   10 G           1.2   39  CENTRAL ITALY. ML 3.7 (VIE), 3.4 (LDG).
15  09 38 04.5* 51.562 N  173.149 W   33 N           0.7    7  ANDREANOF ISLANDS, ALEUTIAN IS.
15  09 50 25.0& 39.664 N   29.552 E    9                         4  TURKEY. <ISK>. MD 2.6 (ISK).
15  09 55 22.6? 31.14  S   68.42  W  100 G           1.1   14  SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (GUC).
15  10 04 14.3   4.419 S  138.463 E  154     4.3      0.7   21  IRIAN JAYA, INDONESIA
15  10 18 53.7* 31.221 S   68.773 W  100 G           1.0   15  SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (GUC).
15  10 19 25.7  29.317 S   13.661 W   10 G  4.8      0.8   21  SOUTHERN MID-ATLANTIC RIDGE
15  11 15 52.1& 62.876 N  148.151 W   63                         64  CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.1 (PMR).
15  11 22 59.7&  9.105 N   79.682 W    0                         4  PANAMA. <UPA>. MD 2.8 (UPA).
15  11 32 50.7& 45.200 N    5.600 E    6                        12  FRANCE. <LDG>. ML 2.1 (LDG).
15  11 42 45.2& 43.570 N    6.500 E    2                         5  NEAR SOUTH COAST OF FRANCE. <STR>. ML 2.3 (STR).
15  11 56 39.3& 32.137 S   71.759 W   13                        12  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
15  12 25 08.2* 38.555 N  104.803 E   33 N           1.5    5  WESTERN NEI MONGOL, CHINA
15  12 35 48.8* 50.690 N   12.397 E    5 G           0.2    5  GERMANY. ML 1.2 (CLL).
15  12 36 23.0? 22.42  N   45.39  W   10 G  4.5      1.5   12  NORTHERN MID-ATLANTIC RIDGE
15  12 44 16.6&  5.922 N   79.143 W   23                         4  SOUTH OF PANAMA. <UPA>. MD 3.5 (UPA).
15  13 18 19.2% 26.719 S   26.684 E    5 G           1.0    6  REPUBLIC OF SOUTH AFRICA
15  13 57 01.9*  1.043 S   98.719 E   33 N           0.5    8  SOUTHERN SUMATERA, INDONESIA
15  14 11 26.4  43.685 N  147.588 E   58 D  5.1      0.9  118  KURIL ISLANDS. Felt (I JMA) in the Nemuro area, Hokkaido.
15  15 12 14.7& 39.425 N  120.183 W    0                        25  NORTHERN CALIFORNIA. <GM-P>. Mw 3.7 (BRK). MD 3.7 (GM). ML
                                                                                4.0 (GS), 3.9 (BRK). Felt at Tahoe City and Truckee. Also
                                                                                felt at Carson City, Reno and Sparks, Nevada.
                                                                               Moment Tensor (BRK): Dep 5; Principal axes (scale 10**14
                                                                                Nm): (T) Val=3.60, Plg=39, Azm=300; (N) Val=0.00, Plg=30,
                                                                                Azm=57; (P) Val=-3.60, Plg=36, Azm=173; Best double couple:
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Mo=3.6*10**14 Nm; NP1: Strike=57, Dip=89, Slip=60; NP2: Strike=324, Dip=30, Slip=177.

15 15 18 33.1* 8.382 N 126.341 E 33 N 3.9 1.4 14 MINDANAO, PHILIPPINE ISLANDS
15 15 28 36.9? 6.03 S 152.25 E 33 N 4.1 1.1 8 NEW BRITAIN REGION, P.N.G.
15 15 47 26.2* 5.607 S 146.397 E 69 * 3.6 1.1 15 EASTERN NEW GUINEA REG., P.N.G.
15 15 50 19.1* 24.397 S 179.789 E 550 G 4.3 0.6 16 SOUTH OF FIJI ISLANDS
15 16 05 22.2* 11.309 S 119.164 E 33 N 3.1 1.3 6 SOUTH OF SUMBA, INDONESIA
15 16 10 00.5 3.463 S 143.634 E 33 N 4.5 1.0 28 NEAR N COAST OF NEW GUINEA, PNG.
15 16 16 15.3& 40.749 N 28.111 E 5 4 TURKEY. <ISK>. MD 2.7 (ISK).
15 16 45 44.3* 3.324 S 143.595 E 33 N 3.9 1.4 7 NEAR N COAST OF NEW GUINEA, PNG.
15 18 24 18.7& 38.797 N 122.734 W 3 7 NORTHERN CALIFORNIA. <GM-P>. MD 2.6 (GM).
15 18 28 12.9 3.403 S 143.552 E 31 5.2 5.2 1.0 85 NEAR N COAST OF NEW GUINEA, PNG. Mw 5.4 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 18:28:16.2; Lat 3.34 S; Lon 144.01 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.33, Plg=61, Azm=101; (N) Val=-0.15, Plg=22, Azm=325; (P) Val=-1.18, Plg=18, Azm=227; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=286, Dip=33, Slip=46; NP2: Strike=155, Dip=67, Slip=114.

15 18 34 22.4& 3.403 S 143.810 E 33 N 1.0 7 NEAR N COAST OF NEW GUINEA, PNG.
15 18 35 33.6& 9.178 N 79.634 W 0 5 PANAMA. <UPA>. MD 3.3 (UPA).
15 19 01 44.8 41.984 N 23.006 E 10 G 0.8 7 GREECE-BULGARIA BORDER REGION
15 19 02 25.6& 44.275 N 6.547 E 2 51 FRANCE. <GEN>. ML 3.0 (GEN), 2.7 (STR), 2.7 (LDG).
15 19 49 16.4 2.859 N 126.419 E 50 G 4.8 1.0 46 NORTHERN MOLUCCA SEA
15 20 00 52.3* 45.985 N 10.886 E 10 G 0.5 9 NORTHERN ITALY. ML 2.8 (VIE).
15 20 21 05.2* 2.219 S 68.085 E 10 G 1.1 8 CARLSBERG RIDGE
15 20 52 48.7& 37.170 N 3.730 W 0 G 5 SPAIN. <MDD>. mbLg 1.2 (MDD).
15 21 28 34.1? 3.42 S 143.75 E 33 N 3.7 1.4 6 NEAR N COAST OF NEW GUINEA, PNG.
15 22 54 08.1& 34.265 N 118.433 W 11 30 SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS). Felt in the San Fernando Valley.

16 00 24 53.7& 16.875 N 100.383 W 88 5 NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
16 00 33 33.5& 43.100 N 0.400 W 6 40 PYRENEES. <LDG>. ML 3.1 (LDG), 2.8 (STR). mbLg 2.8 (MDD). Felt (III) in the Ossau Valley and at Castet, France.

16 00 38 03.1* 6.646 S 155.236 E 44 D 4.2 1.3 12 SOLOMON ISLANDS
16 00 46 47.3? 14.13 S 170.53 E 550 G 1.1 20 VANUATU ISLANDS REGION
16 01 39 06.4& 60.271 N 141.045 W 13 15 SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.7 (PGC).
16 01 57 54.2 35.047 N 140.340 E 43 * 4.6 1.1 36 NEAR EAST COAST OF HONSHU, JAPAN
16 02 12 05.1& 53.278 N 164.355 W 1 3.4 20 UNIMAK ISLAND REGION. <AEIC>. ML 3.3 (AEIC).
16 02 37 48.5 32.673 S 179.071 W 100 G 5.0 1.1 63 SOUTH OF KERMADEC ISLANDS. Mw 5.1 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 02:37:45.7; Lat 32.15 S; Lon 178.70 W; Dep 51.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.79, Plg=72, Azm=232; (N) Val=0.91, Plg=16, Azm=19; (P) Val=-5.70, Plg=10, Azm=112; Best double couple: Mo=5.2*10**16 Nm; NP1: Strike=220, Dip=38, Slip=116; NP2: Strike=8, Dip=57, Slip=71.

16 03 27 19.7? 22.79 S 170.59 E 33 N 1.2 7 LOYALTY ISLANDS REGION
16 03 40 19.1* 31.339 S 68.901 W 100 G 0.4 5 SAN JUAN PROVINCE, ARGENTINA
16 03 41 09.9? 5.13 N 96.98 E 50 G 4.6 1.4 24 NORTHERN SUMATERA, INDONESIA
16 04 10 23.7& 8.741 N 82.970 W 15 9 PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.2 (UPA).
16 05 09 41.1& 37.210 N 3.750 W 0 9 SPAIN. <MDD>. mbLg 1.9 (MDD).
16 05 13 18.8 45.132 N 23.581 E 10 G 1.0 10 ROMANIA
16 06 27 17.8* 22.329 N 45.067 W 10 G 4.0 0.9 9 NORTHERN MID-ATLANTIC RIDGE
16 06 32 01.1* 22.258 N 45.259 W 10 G 4.2 1.0 10 NORTHERN MID-ATLANTIC RIDGE
16 06 50 23.2& 39.621 N 29.434 E 5 4 TURKEY. <ISK>. MD 2.6 (ISK).
16 06 54 20.0& 39.579 N 29.423 E 5 5 TURKEY. <ISK>. MD 2.7 (ISK).
16 07 17 11.6& 39.662 N 29.458 E 10 G 4 TURKEY. <ISK>. MD 2.6 (ISK).
16 07 18 02.3? 12.83 N 87.56 W 33 N 3.9 1.0 8 NEAR COAST OF NICARAGUA
16 07 33 10.2 22.923 N 99.561 E 50 * 4.7 0.9 31 MYANMAR-CHINA BORDER REGION
16 07 52 13.0? 58.26 S 141.41 W 10 G 1.5 9 PACIFIC-ANTARCTIC RIDGE
16 08 22 49.5& 47.180 N 6.290 E 12 7 FRANCE. <STR>. ML 1.8 (STR).
16 08 36 14.0& 11.164 N 61.874 W 27 5 WINDWARD ISLANDS. <TRN>. MD 2.9 (TRN).
16 08 37 10.8 8.555 S 116.793 E 195 3.7 1.2 21 SUMBAWA REGION, INDONESIA
16 09 22 34.9& 7.586 N 80.607 W 0 5 PANAMA. <UPA>. MD 3.0 (UPA).
16 09 29 42.9* 36.739 N 139.892 E 128 * 3.7 0.8 12 EASTERN HONSHU, JAPAN
16 09 36 23.6* 36.170 N 71.178 E 100 G 4.1 1.3 14 AFGHANISTAN-TAJIKISTAN BORD REG.
16 09 42 59.7 7.523 S 156.146 E 62 D 4.4 0.9 28 SOLOMON ISLANDS
16 10 23 35.6 5.870 S 146.392 E 33 N 5.8 5.5 1.0 148 EASTERN NEW GUINEA REG., P.N.G. Mw 5.9 (HRV), 5.8 (GS). ML 6.0 (PMG).
Moment Tensor (GS): Dep 41; Principal axes (scale 10**17 Nm): (T) Val=5.81, Plg=35, Azm=64; (N) Val=-0.13, Plg=39, Azm=299; (P) Val=-5.69, Plg=32, Azm=180; Best double couple: Mo=5.7*10**17 Nm; NP1: Strike=214, Dip=39, Slip=3; NP2: Strike=121, Dip=88, Slip=129.
Centroid, Moment Tensor (HRV): Centroid origin time 10:23:43.5; Lat 6.31 S; Lon 146.21 E; Dep 28.6; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=6.68, Plg=50, Azm=28; (N) Val=0.60, Plg=1, Azm=297; (P) Val=-7.29, Plg=39, Azm=206; Best double couple: Mo=7.0*10**17 Nm; NP1: Strike=286, Dip=6, Slip=79; NP2: Strike=117, Dip=84, Slip=91.

16 10 39 35.3* 37.503 N 142.471 E 33 N 1.0 11 OFF EAST COAST OF HONSHU, JAPAN
16 10 41 13.8& 49.710 N 7.180 E 2 G 4 GERMANY. <STR>. ML 1.3 (STR).
16 12 01 00.0* 39.386 N 71.863 E 63 ? 3.4 1.1 8 TAJIKISTAN
16 12 06 07.0& 32.663 S 69.887 W 118 8 MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.5 (GUC).
16 12 15 12.9 23.553 S 69.111 W 92 D 4.3 1.0 42 NORTHERN CHILE. Felt (III) at Antofagasta, Baquedano and Calama.
16 12 49 16.5& 37.880 N 3.920 W 17 6 SPAIN. <MDD>. mbLg 1.8 (MDD).
16 12 58 20.4& 18.550 N 66.120 W 106 9 PUERTO RICO REGION. <MPR>. MD 3.1 (MPR).
16 13 10 53.4* 8.751 S 118.332 E 132 ? 3.6 1.1 10 SUMBAWA REGION, INDONESIA
16 13 47 11.0 54.140 N 165.943 W 134 D 5.1 0.9 261 FOX ISLANDS, ALEUTIAN ISLANDS. Felt (IV) on Akutan and Unalaska.
16 14 02 21.5* 5.471 S 153.429 E 33 N 3.7 0.7 10 NEW IRELAND REGION, P.N.G.

16	14	03	25.8	8.701	S	118.346	E	131	?	4.3	0.7	13	SUMBAWA REGION, INDONESIA
16	14	25	26.9&	44.491	N	7.291	E	12				8	NORTHERN ITALY. <GEN>. ML 2.4 (GEN).
16	14	52	35.4&	39.654	N	29.424	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
16	14	53	48.6*	37.881	S	177.339	E	134		4.3	1.3	26	OFF E. COAST OF N. ISLAND, N.Z.
16	15	50	04.6&	39.657	N	27.863	E	7				9	TURKEY. <ISK>. MD 3.1 (ISK).
16	15	58	01.3*	25.438	N	141.323	E	150	G	4.6	1.0	13	VOLCANO ISLANDS REGION
16	16	29	16.2&	39.731	N	27.922	E	9				4	TURKEY. <ISK>. MD 2.7 (ISK).
16	16	57	40.0*	33.969	N	135.169	E	33	N	3.8	1.1	10	NEAR S. COAST OF WESTERN HONSHU. Felt (II JMA) in northern Wakayama Prefecture.
16	17	10	06.6&	56.685	N	156.849	W	64		3.5		94	ALASKA PENINSULA. <AEIC>. ML 3.5 (AEIC).
16	17	28	36.6*	53.966	N	163.102	W	33	N	4.0	0.9	14	UNIMAK ISLAND REGION
16	18	04	13.0?	32.43	S	179.49	E	500	G		0.9	11	SOUTH OF KERMADEC ISLANDS
16	18	06	42.5	30.006	N	86.027	E	33	N	4.0	1.1	23	XIZANG
16	18	07	32.1&	19.290	N	68.110	W	59				9	NORTH ATLANTIC OCEAN. <MPR>. MD 3.6 (MPR).
16	19	08	39.4?	55.09	N	163.43	E	33	N	3.1	1.4	8	OFF EAST COAST OF KAMCHATKA
16	19	09	46.9*	3.739	S	127.096	E	33	N	3.4	1.3	9	SERAM, INDONESIA
16	20	15	24.2	51.584	N	16.154	E	5	G		1.2	13	POLAND. ML 3.2 (VIE).
16	20	18	58.0&	40.698	N	30.311	E	10	G			4	TURKEY. <ISK>. MD 2.9 (ISK).
16	20	31	39.3	35.219	N	27.542	E	36		4.1	1.2	70	DODECANESE ISLANDS. MD 3.9 (ISK).
16	20	33	13.5?	14.43	S	167.34	E	33	N	4.3	1.0	13	VANUATU ISLANDS
16	20	59	07.7	56.430	N	156.584	W	62	D	4.9	0.9	137	ALASKA PENINSULA. ML 4.9 (PMR), 4.4 (AEIC). Felt (IV) at Chignik. Also felt at Chignik Lagoon.
16	21	14	51.7*	29.702	N	68.252	E	33	N	4.1	0.1	5	PAKISTAN
16	21	18	07.6&	40.732	N	29.360	E	13				5	TURKEY. <ISK>. MD 2.9 (ISK).
16	21	32	33.6*	28.828	S	178.901	W	239	?	4.1	1.0	34	KERMADEC ISLANDS REGION
16	21	54	53.6&	31.913	S	71.092	W	77				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
16	22	20	46.0&	60.300	N	140.974	W	24				15	SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.7 (PGC).
16	22	50	55.7&	9.106	N	79.676	W	0				7	PANAMA. <UPA>. MD 2.8 (UPA).
16	23	26	45.2?	37.42	S	178.22	E	183	*	3.2	0.9	14	OFF E. COAST OF N. ISLAND, N.Z.
16	23	31	40.9?	17.79	S	71.17	W	100	G	3.8	1.3	7	NEAR COAST OF PERU
16	23	32	27.6&	36.270	N	4.600	W	57				7	STRAIT OF GIBRALTAR. <MDD>.
16	23	56	44.9*	5.400	N	126.647	E	33	N	4.3	0.9	19	MINDANAO, PHILIPPINE ISLANDS
17	00	27	48.0&	44.978	N	6.668	E	1				16	FRANCE. <GEN>. ML 2.1 (GEN), 1.8 (LDG).
17	00	29	50.5	6.144	S	133.497	E	33	N	5.3 5.0	1.2	106	ARU ISLANDS REGION, INDONESIA. Mw 5.4 (HRV). Felt (II) at Tual, Kai Kecil. Centroid, Moment Tensor (HRV): Centroid origin time 00:29:54.2; Lat 6.11 S; Lon 133.71 E; Dep 35.5; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.17, Plg=22, Azm=297; (N) Val=0.10, Plg=2, Azm=28; (P) Val=-1.27, Plg=68, Azm=122; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=24, Dip=23, Slip=-94; NP2: Strike=208, Dip=67, Slip=-88.
17	00	30	47.2&	63.219	N	149.829	W	99				56	CENTRAL ALASKA. <AEIC>.
17	01	27	38.8*	14.048	N	93.932	W	33	N	4.2	1.3	13	NEAR COAST OF CHIAPAS, MEXICO. MD 4.2 (UNM).
17	01	36	47.3*	5.989	S	142.486	E	33	N	3.3	1.0	5	NEW GUINEA, PAPUA NEW GUINEA
17	01	47	07.3*	44.325	N	15.698	E	33	N		0.6	7	NORTHWESTERN BALKAN REGION. ML 2.7 (VIE).
17	01	53	53.4	6.130	S	142.673	E	33	N	4.0	1.4	20	NEW GUINEA, PAPUA NEW GUINEA
17	02	11	41.8?	15.06	S	167.46	E	33	N	4.2	0.9	29	VANUATU ISLANDS
17	02	24	19.1&	60.115	N	153.079	W	131				66	SOUTHERN ALASKA. <AEIC>.
17	02	59	00.1&	39.790	N	26.991	E	10	G			5	TURKEY. <ISK>. MD 3.1 (ISK).
17	03	02	49.7&	54.684	N	163.016	W	86				17	UNIMAK ISLAND REGION. <AEIC>.
17	03	17	29.4	2.227	S	80.020	W	100	G	5.0	1.3	30	NEAR COAST OF ECUADOR
17	03	53	33.6&	31.051	S	72.029	W	52				10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
17	04	05	36.7?	29.65	N	68.87	E	33	N	4.2	1.5	7	PAKISTAN
17	04	07	25.3*	51.375	N	16.176	E	5	G		0.6	7	POLAND. ML 3.1 (VIE).
17	04	25	14.5&	31.104	S	71.574	W	51				30	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.6 (GUC).
17	04	50	10.3&	44.476	N	7.254	E	16				26	NORTHERN ITALY. <GEN>. ML 2.3 (GEN), 2.1 (STR), 2.0 (LDG).
17	04	59	09.0	4.141	S	135.424	E	33	N	3.9	0.9	14	IRIAN JAYA REGION, INDONESIA
17	05	21	35.2*	32.574	N	48.103	E	33	N	4.7	1.4	18	WESTERN IRAN
17	05	39	19.8*	36.462	N	71.141	E	200	G	4.3	1.1	13	AFGHANISTAN-TAJIKISTAN BORD REG.
17	06	11	15.6&	31.441	S	117.696	E	10	G		0.4	5	WESTERN AUSTRALIA
17	06	22	14.4	3.471	N	128.897	E	33	N	4.7	1.1	36	NORTH OF HALMAHERA, INDONESIA
17	08	28	31.6*	18.638	N	121.045	E	33	N	3.9	1.2	15	LUZON, PHILIPPINE ISLANDS
17	09	13	34.0&	37.637	N	118.909	W	7				18	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.2 (BRK), 3.1 (GS).
17	09	55	27.8?	4.27	S	135.87	E	33	N	3.2	0.9	7	IRIAN JAYA REGION, INDONESIA
17	10	39	06.5	45.855	N	152.326	E	72	D	5.8	0.8	403	EAST OF KURIL ISLANDS. Mw 5.7 (GS), 5.7 (HRV). Moment Tensor (GS): Dep 45; Principal axes (scale 10**17 Nm): (T) Val=5.08, Plg=51, Azm=339; (N) Val=-1.04, Plg=8, Azm=239; (P) Val=-4.04, Plg=38, Azm=143; Best double couple: Mo=4.6*10**17 Nm; NP1: Strike=190, Dip=10, Slip=40; NP2: Strike=60, Dip=83, Slip=98. Centroid, Moment Tensor (HRV): Centroid origin time 10:39:07.6; Lat 45.98 N; Lon 152.10 E; Dep 65.4; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=4.45, Plg=51, Azm=330; (N) Val=0.16, Plg=2, Azm=63; (P) Val=-4.60, Plg=38, Azm=155; Best double couple: Mo=4.5*10**17 Nm; NP1: Strike=262, Dip=7, Slip=109; NP2: Strike=62, Dip=83, Slip=88.
17	10	50	15.8&	18.240	N	67.180	W	18				7	MONA PASSAGE. <MPR>. MD 2.4 (MPR).
17	11	06	17.9&	33.227	S	71.006	W	68				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
17	11	23	49.4&	18.920	N	68.770	W	25				7	MONA PASSAGE. <MPR>. MD 3.2 (MPR).
17	12	00	14.4&	44.155	N	7.357	E	8				8	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
17	12	13	17.3&	39.654	N	29.502	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
17	12	32	48.0&	38.402	N	12.885	E	10		4.9 4.6		177	SICILY. <ROM>. ML 4.0 (LDG).
17	13	06	46.7*	26.813	S	26.584	E	33	N		1.5	11	REPUBLIC OF SOUTH AFRICA
17	14	07	51.9&	44.407	N	7.285	E	12				7	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
17	14	54	48.3&	32.288	S	71.836	W	23				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
17	15	02	38.6*	55.109	S	31.465	W	33	N	4.8	1.2	15	SOUTH GEORGIA ISLAND REGION
17	15	13	47.2?	14.44	N	146.01	E	100	G		1.2	8	MARIANA ISLANDS
17	16	01	51.4&	54.886	N	161.964	W	102				14	ALASKA PENINSULA. <AEIC>.
17	16	03	24.3*	11.814	N	93.000	E	33	N	3.7	0.4	8	ANDAMAN ISLANDS, INDIA
17	16	16	11.9*	35.540	N	130.025	E	33	N		1.3	7	SEA OF JAPAN. Felt (I JMA) on the Tsushima Islands.

17	16	53	12.5	0.389	S	132.355	E	33	N	5.0	4.5	1.3	51	IRIAN JAYA REGION, INDONESIA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:53:13.7; Lat 0.50 S; Lon 132.52 E; Dep 32.6; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.36, Plg=54, Azm=139; (N) Val=0.13, Plg=29, Azm=278; (P) Val=-1.49, Plg=19, Azm=19; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=147, Dip=36, Slip=145; NP2: Strike=267, Dip=70, Slip=59.
17	17	41	44.9&	44.468	N	7.269	E	13					6	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
17	18	06	13.4*	51.446	N	179.685	W	33	N	4.5		1.3	31	ANDREANOF ISLANDS, ALEUTIAN IS.
17	18	31	36.1*	29.164	S	178.190	W	33	N	4.0		0.5	13	KERMADEC ISLANDS, NEW ZEALAND
17	18	35	01.6*	54.624	N	161.418	E	100	G	4.2		1.0	23	NEAR EAST COAST OF KAMCHATKA
17	18	51	58.9&	39.692	S	175.945	E	33	N			0.6	12	NORTH ISLAND, NEW ZEALAND. ML 4.3 (WEL).
17	19	04	50.9*	29.878	N	139.006	E	400	G			1.1	12	SOUTH OF HONSHU, JAPAN
17	19	05	50.9?	3.70	N	127.20	E	33	N	4.5		1.4	12	TALAUD ISLANDS, INDONESIA
17	19	23	09.9&	38.365	N	12.868	E	10					26	SICILY. <ROM>. ML 3.4 (LDG), 3.0 (ROM).
17	19	35	14.4&	44.490	N	7.318	E	8					4	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
17	19	43	59.3*	6.546	S	129.750	E	33	N	4.8		0.8	8	BANDA SEA
17	19	46	44.6*	10.808	S	164.542	E	33	N	4.2		0.4	8	SANTA CRUZ ISLANDS REGION
17	20	21	17.1&	46.500	N	1.900	E	4					12	FRANCE. <LDG>. ML 2.4 (STR), 2.1 (LDG).
17	20	48	39.5&	33.495	S	70.981	W	69					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
17	21	50	01.9*	46.711	N	150.962	E	100	G	3.7		1.1	10	KURIL ISLANDS
17	22	29	47.0&	49.370	N	6.950	E	1	G				8	GERMANY. <FBB>. ML 2.3 (FBB).
17	22	41	53.0	73.273	N	6.067	E	10	G	4.7		1.0	72	GREENLAND SEA
17	23	11	46.3*	73.314	N	6.347	E	10	G	4.3		1.4	8	GREENLAND SEA
17	23	11	59.3	30.621	S	71.496	W	33	N			0.8	21	NEAR COAST OF CENTRAL CHILE. MD 4.5 (GUC).
17	23	18	31.5&	18.960	N	64.610	W	72					6	VIRGIN ISLANDS. <MPR>. MD 3.5 (MPR).
17	23	44	31.8*	6.249	S	103.955	E	33	N	4.6		0.8	11	SOUTHWEST OF SUMATERA, INDONESIA
17	23	52	58.7	73.233	N	5.956	E	10	G	4.8	3.9	1.1	82	GREENLAND SEA
18	00	02	42.6*	73.200	N	6.274	E	10	G	4.1		0.9	7	GREENLAND SEA
18	00	26	40.7	43.959	N	132.570	E	491		3.9		0.8	33	NEAR SOUTHEAST COAST OF RUSSIA
18	00	27	58.6*	40.782	N	64.734	E	33	N	3.8		1.2	13	NORTHWESTERN UZBEKISTAN
18	00	35	42.1*	73.559	N	6.647	E	10	G			1.5	8	GREENLAND SEA
18	01	38	38.9	6.844	N	73.028	W	150	G	4.2		1.2	33	NORTHERN COLOMBIA
18	02	05	28.0&	46.110	N	16.940	E	11					13	NORTHWESTERN BALKAN REGION. <ZAG>. ML 3.1 (VIE). Felt at Koprivnica, Croatia.
18	02	14	02.3	36.400	N	77.574	E	100	G	4.4		1.1	24	KASHMIR-XINJIANG BORDER REGION
18	02	35	34.9	73.261	N	5.887	E	10	G	4.7	4.4	1.0	63	GREENLAND SEA
18	02	38	34.0*	73.346	N	5.821	E	10	G	4.4		0.7	10	GREENLAND SEA
18	02	41	59.6&	10.742	N	62.497	W	29					8	NEAR COAST OF VENEZUELA. <TRN>. MD 3.9 (TRN).
18	02	49	25.2*	0.403	N	124.053	E	33	N	4.8		1.3	10	MINAHASSA PENINSULA, SULAWESI
18	02	53	33.0	73.259	N	6.561	E	10	G	4.8	3.9	1.2	26	GREENLAND SEA
18	02	56	43.3&	31.266	S	69.928	W	172					12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.4 (GUC).
18	03	12	59.9	30.467	N	50.531	E	33	N	4.8		1.0	93	NORTHERN IRAN
18	03	33	51.8&	62.139	N	152.086	W	104					8	CENTRAL ALASKA. <AEIC>.
18	03	41	56.4*	73.002	N	6.200	E	10	G	4.0		1.4	8	GREENLAND SEA
18	04	01	32.3&	39.514	N	27.698	E	9					15	TURKEY. <ISK>. MD 3.6 (ISK).
18	04	45	12.1*	52.623	N	168.369	W	33	N			1.4	23	FOX ISLANDS, ALEUTIAN ISLANDS. ML 3.9 (AEIC).
18	05	00	52.9	73.244	N	6.126	E	10	G	4.7	3.8	1.4	29	GREENLAND SEA
18	05	24	39.7&	40.786	N	30.066	E	10					4	TURKEY. <ISK>. MD 2.8 (ISK).
18	05	30	18.1	14.108	N	91.770	W	33	N	4.7		1.3	50	GUATEMALA. MD 4.9 (UNM).
18	06	09	14.3&	42.970	N	6.280	W	8					4	SPAIN. <MDD>. mbLg 2.7 (MDD).
18	06	25	53.5*	38.015	N	134.576	E	400	G	4.2		0.9	16	SEA OF JAPAN
18	06	52	01.7*	39.540	S	71.950	W	100	G			1.0	17	S. CHILE-ARGENTINA BORDER REGION. Felt (III) at Valdivia, Chile.
18	07	01	44.9	1.727	N	127.599	E	100	G	4.8		1.2	22	HALMAHERA, INDONESIA
18	07	08	13.9&	32.242	N	115.630	W	16					2	CALIF.-BAJA CALIF. BORDER REGION. <ECX>. MD 3.4 (ECX). ML 3.1 (PAS).
18	07	30	07.8*	46.136	N	16.917	E	10	G			1.1	8	NORTHWESTERN BALKAN REGION. ML 2.9 (VIE). Felt at Koprivnica, Croatia.
18	07	47	58.3*	16.206	S	173.876	W	72	D	4.5		1.0	32	TONGA ISLANDS
18	08	21	12.0	55.026	N	162.036	E	33	N	5.0	4.5	0.8	174	NEAR EAST COAST OF KAMCHATKA
18	08	35	13.8&	39.676	N	29.431	E	10	G				4	TURKEY. <ISK>. MD 2.6 (ISK).
18	09	55	41.9&	31.150	S	71.609	W	25					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
18	09	59	48.3*	37.581	N	21.681	E	33	N			1.1	18	SOUTHERN GREECE
18	10	18	17.8?	17.30	S	178.72	W	500	G	3.3		0.7	10	FIJI ISLANDS REGION
18	10	36	59.0*	22.614	S	68.827	W	100	G	4.5		0.9	15	NORTHERN CHILE
18	10	37	57.4*	14.001	N	93.862	E	33	N	4.6	3.9	1.0	15	ANDAMAN ISLANDS, INDIA
18	11	49	51.1&	40.590	N	29.244	E	10	G				4	TURKEY. <ISK>. MD 2.6 (ISK).
18	12	02	43.4	2.520	S	134.430	E	33	N	4.8		1.5	33	IRIAN JAYA REGION, INDONESIA
18	12	12	00.6&	9.484	N	78.306	W	25					5	PANAMA. <UPA>. MD 3.3 (UPA).
18	13	15	00.0*	14.127	N	145.685	E	100	G	4.0		1.4	15	MARIANA ISLANDS
18	13	15	38.5&	8.841	N	82.785	W	15					9	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.2 (UPA).
18	13	26	48.9&	18.980	N	64.640	W	52					7	VIRGIN ISLANDS. <MPR>. MD 3.6 (MPR).
18	13	34	42.9	35.926	N	27.648	E	33	N			1.1	27	DODECANESE ISLANDS
18	13	48	46.2&	13.617	N	60.156	W	96					7	WINDWARD ISLANDS. <TRN>. MD 3.8 (TRN).
18	13	58	12.4	19.231	N	145.102	E	200	G	4.7		1.1	81	MARIANA ISLANDS
18	14	32	51.1&	19.170	N	64.660	W	25		4.4			35	VIRGIN ISLANDS. <MPR>. MD 4.4 (MPR).
18	14	38	17.1&	18.790	N	65.040	W	52					7	PUERTO RICO REGION. <MPR>. MD 3.4 (MPR).
18	14	49	33.6&	38.797	N	122.797	W	2					8	NORTHERN CALIFORNIA. <GM-P>. ML 3.0 (GM), 3.1 (GS).
18	15	14	36.0*	45.950	N	143.117	E	336	*	3.4		1.3	14	HOKKAIDO, JAPAN REGION
18	15	27	55.8&	19.140	N	64.600	W	50					9	VIRGIN ISLANDS. <MPR>. MD 3.6 (MPR).
18	15	46	00.2&	19.140	N	64.730	W	55					6	VIRGIN ISLANDS. <MPR>. MD 3.4 (MPR).
18	15	47	53.3&	18.990	N	64.630	W	51					7	VIRGIN ISLANDS. <MPR>. MD 3.5 (MPR).
18	15	55	37.2&	19.140	N	64.710	W	59					7	VIRGIN ISLANDS. <MPR>. MD 3.4 (MPR).
18	16	09	45.4&	19.290	N	64.770	W	55					6	VIRGIN ISLANDS. <MPR>. MD 3.5 (MPR).
18	16	22	22.2&	43.436	N	8.268	E	15					28	CORSICA. <GEN>. ML 2.7 (GEN), 2.5 (STR), 2.4 (LDG).
18	16	28	17.9&	18.920	N	64.700	W	78					9	VIRGIN ISLANDS. <MPR>. MD 3.9 (MPR).
18	16	30	42.1&	19.200	N	64.570	W	48					5	VIRGIN ISLANDS. <MPR>. MD 3.7 (MPR).
18	16	37	47.0*	7.162	S	129.459	E	100	G	3.7		1.4	19	BANDA SEA
18	16	40	01.8&	32.291	S	69.880	W	158					9	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.2 (GUC).
18	16	45	43.5&	19.150	N	64.750	W	62					6	VIRGIN ISLANDS. <MPR>. MD 3.5 (MPR).
18	17	05	27.4*	13.975	N	91.747	W	33	N	4.5		0.9	39	NEAR COAST OF GUATEMALA. MD 4.7 (UNM).

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18  17 17 56.3& 19.220 N   64.660 W   60                          7  VIRGIN ISLANDS. <MPR>. MD 3.4 (MPR).
18  17 59 45.3& 38.560 N    0.880 W   15                          6  SPAIN. <MDD>. mbLg 1.8 (MDD).
18  18 13 24.3* 52.175 N  158.884 E  100 G  4.3       1.0      19  NEAR EAST COAST OF KAMCHATKA
18  18 54 08.2& 18.950 N   64.680 W   72                          9  VIRGIN ISLANDS. <MPR>. MD 3.6 (MPR).
18  19 22 30.2& 38.560 N    0.850 W    0                          6  SPAIN. <MDD>. mbLg 2.1 (MDD).
18  19 56 54.6  22.703 N  121.166 E   33 N  4.8 4.7   1.2      52  TAIWAN REGION. Mw 5.2 (HRV).
                                                                    Centroid, Moment Tensor (HRV): Centroid origin time
                                                                     19:56:53.6; Lat 22.64 N; Lon 121.31 E; Dep 15.0 Fix; Half-
                                                                     duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                     Val=7.43, Plg=27, Azm=54; (N) Val=-0.27, Plg=56, Azm=274;
                                                                     (P) Val=-7.16, Plg=19, Azm=153; Best double couple:
                                                                     Mo=7.3*10**16 Nm; NP1: Strike=196, Dip=57, Slip=6; NP2:
                                                                     Strike=102, Dip=85, Slip=147.
18  20 31 23.0* 20.894 S   66.914 W  200 G  4.6       1.1      11  SOUTHERN BOLIVIA
18  21 37 44.6& 36.165 N  118.012 W    1                          6  CENTRAL CALIFORNIA. <PAS-P>. ML 2.6 (PAS). MD 2.8 (GM).
18  22 11 24.5& 19.070 N   64.740 W   57                          5  VIRGIN ISLANDS. <MPR>. MD 3.5 (MPR).
18  22 18 55.0*  9.907 N  125.532 E  100 G  4.5       1.2      24  MINDANAO, PHILIPPINE ISLANDS
18  22 34 01.5*  2.029 N  128.097 E  200 G  4.3       0.8      10  HALMAHERA, INDONESIA
18  22 39 59.6  24.526 N  122.943 E  100 G  4.8       0.9      58  TAIWAN REGION
18  23 38 49.9& 33.719 S   71.817 W   36                          9  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
18  23 53 24.4& 19.060 N   64.550 W   49                          8  VIRGIN ISLANDS. <MPR>. MD 3.7 (MPR).
19  00 06 44.8* 83.981 N    0.206 E   10 G  3.2       1.3      10  NORTH OF SVALBARD
19  00 38 04.5* 44.322 N  128.913 W   10 G  3.3       0.8      31  OFF COAST OF OREGON
19  00 53 50.5  45.620 N   26.602 E  109    4.3       1.1      34  ROMANIA
19  01 02 53.8*  5.543 S  147.254 E  207    4.6       1.0      17  EASTERN NEW GUINEA REG., P.N.G.
19  01 09 22.1& 53.800 N  163.850 W   13    3.9                40  UNIMAK ISLAND REGION. <AEIC>. ML 3.9 (AEIC).
19  01 55 20.1& 39.791 N   26.914 E    9                       18  TURKEY. <ISK>. MD 3.4 (ISK).
19  03 28 08.0& 60.470 N  151.680 W   56    3.3               105  KENAI PENINSULA, ALASKA. <AEIC>. ML 3.5 (AEIC), 3.5 (PMR).
19  03 37 03.4& 40.351 N   26.341 E   10 G                     26  TURKEY. <ISK>. MD 3.8 (ISK).
19  05 41 24.9*  5.516 S  147.193 E  163 *  4.6       1.1      10  EASTERN NEW GUINEA REG., P.N.G.
19  06 44 07.7& 43.100 N    0.600 W    2                       8  PYRENEES. <LDG>. ML 2.3 (LDG).
19  06 48 33.7  12.075 S  119.459 E   33 N  3.7       1.2      10  SOUTH OF SUMBA, INDONESIA
19  07 08 30.7* 39.836 S   45.884 E   10 G  5.2 5.3   1.5      26  SOUTHWEST INDIAN RIDGE. Mw 5.7 (HRV).
                                                                    Centroid, Moment Tensor (HRV): Centroid origin time
                                                                     07:08:40.4; Lat 39.54 S; Lon 46.45 E; Dep 15.0 Fix; Half-
                                                                     duration 1.6 sec; Principal axes (scale 10**17 Nm): (T)
                                                                     Val=3.80, Plg=4, Azm=321; (N) Val=0.10, Plg=77, Azm=70; (P)
                                                                     Val=-3.90, Plg=13, Azm=230; Best double couple:
                                                                     Mo=3.8*10**17 Nm; NP1: Strike=7, Dip=78, Slip=-174; NP2:
                                                                     Strike=275, Dip=84, Slip=-12.
19  07 15 37.8& 18.140 N   68.110 W  125                          9  MONA PASSAGE. <MPR>. MD 3.5 (MPR).
19  07 32 11.4* 46.332 N  149.960 E  150 G  3.6       0.8      15  KURIL ISLANDS
19  07 36 10.9& 32.240 S   71.832 W   15                         10  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
19  08 23 52.1? 44.21  N   82.24  E   33 N  3.4       1.0       6  NORTHERN XINJIANG, CHINA
19  08 42 42.7*  5.033 S  145.149 E   98 D  3.4       1.1      12  EASTERN NEW GUINEA REG., P.N.G.
19  09 41 13.2  51.620 N   16.225 E    6    3.6       0.8      29  POLAND. ML 3.9 (GRF), 3.6 (VIE).
19  10 02 30.0& 56.870 N  155.180 W   54    4.3                71  ALASKA PENINSULA. <AEIC>. ML 3.8 (AEIC), 4.0 (PMR).
19  10 12 28.9& 39.214 N   27.402 E   10 G                      5  TURKEY. <ISK>. MD 2.8 (ISK).
19  10 40 47.4? 2.69  N  127.46  E   33 N  4.1       1.1       8  NORTHERN MOLUCCA SEA
19  11 37 23.1* 11.088 N   62.044 W   50 G             0.9       8  WINDWARD ISLANDS
19  12 09 38.4& 39.216 N   27.382 E   10 G                      5  TURKEY. <ISK>. MD 2.7 (ISK).
19  12 12 46.5* 29.965 N   80.731 E   33 N             1.3       9  NEPAL-INDIA BORDER REGION
19  12 13 58.0& 30.799 S   71.879 W   45                         10  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
19  12 30 06.1   0.653 S   20.109 W   10 G  4.8 4.8   1.0      28  CENTRAL MID-ATLANTIC RIDGE. Mw 5.7 (HRV).
                                                                    Centroid, Moment Tensor (HRV): Centroid origin time
                                                                     12:30:14.5; Lat 0.23 S; Lon 20.15 W; Dep 15.0 Fix; Half-
                                                                     duration 1.7 sec; Principal axes (scale 10**17 Nm): (T)
                                                                     Val=3.22, Plg=3, Azm=31; (N) Val=0.49, Plg=69, Azm=293; (P)
                                                                     Val=-3.72, Plg=21, Azm=122; Best double couple:
                                                                     Mo=3.5*10**17 Nm; NP1: Strike=165, Dip=73, Slip=-13; NP2:
                                                                     Strike=258, Dip=78, Slip=-163.
19  13 12 10.6? 38.35  S   91.39  W   10 G  3.9       1.3       6  WEST CHILE RISE
19  13 41 09.6& 39.598 N   29.609 E   10 G                      4  TURKEY. <ISK>. MD 2.6 (ISK).
19  13 43 30.0*  7.445 S  119.437 E  271 *  4.4       1.2      18  FLORES SEA
19  13 48 07.5   5.231 S  146.308 E  159 D  5.4       1.0     103  EASTERN NEW GUINEA REG., P.N.G. Mw 5.5 (HRV).
                                                                    Centroid, Moment Tensor (HRV): Centroid origin time
                                                                     13:48:12.1; Lat 5.34 S; Lon 146.29 E; Dep 173.1; Half-
                                                                     duration 1.0 sec; Principal axes (scale 10**17 Nm): (T)
                                                                     Val=1.92, Plg=8, Azm=110; (N) Val=-0.42, Plg=42, Azm=13;
                                                                     (P) Val=-1.50, Plg=47, Azm=208; Best double couple:
                                                                     Mo=1.7*10**17 Nm; NP1: Strike=237, Dip=52, Slip=-32; NP2:
                                                                     Strike=348, Dip=65, Slip=-137.
19  13 54 43.3* 18.286 N  120.712 E   33 N  4.1       1.2       9  LUZON, PHILIPPINE ISLANDS
19  14 04 05.6* 58.986 S   25.668 W   33 N  4.6       1.0      26  SOUTH SANDWICH ISLANDS REGION
19  14 34 53.2?  5.25  S  151.58  E   33 N  4.2       0.9       7  NEW BRITAIN REGION, P.N.G.
19  14 43 13.6& 45.000 N    6.800 E    2                       4  FRANCE. <LDG>. ML 2.2 (LDG).
19  14 48 28.0& 35.225 S   70.452 W  174                         12  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
19  14 52 01.4? 0.54  S  132.46  E   33 N  4.4       1.1       7  IRIAN JAYA REGION, INDONESIA
19  15 01 23.9& 44.356 N    7.327 E    9                       4  NORTHERN ITALY. <GEN>. ML 1.4 (GEN).
19  15 18 27.4? 19.97  S  178.48  W  500 G  4.0       1.3      14  FIJI ISLANDS REGION
19  16 01 06.2*  2.534 N  128.974 E   33 N  3.8       1.1      12  HALMAHERA, INDONESIA
19  16 03 17.5*  2.394 N  128.912 E   33 N  4.3       1.2      23  HALMAHERA, INDONESIA
19  16 08 28.9& 30.340 S   72.749 W   54                        10  OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC).
19  16 56 20.7* 11.036 N  142.847 E   33 N  4.0       1.3      16  SOUTH OF MARIANA ISLANDS
19  17 19 01.5& 45.400 N    2.500 E    2                      13  FRANCE. <LDG>. ML 2.4 (LDG), 2.3 (STR).
19  17 19 47.8& 61.380 N  146.790 W   22                        63  SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
19  17 50 41.0& 49.380 N    6.900 E    1                       7  GERMANY. <FBB>. ML 2.4 (FBB).
19  18 14 10.0* 49.804 N  156.217 E  100 G  4.4       1.3      18  KURIL ISLANDS
19  18 23 59.6* 44.971 S   79.488 W   10 G  5.4 5.5   1.4      36  OFF COAST OF SOUTHERN CHILE. Mw 6.2 (GS), 6.2 (HRV).
                                                                    Moment Tensor (GS): Dep 13; Principal axes (scale 10**18
                                                                     Nm): (T) Val=1.80, Plg=6, Azm=213; (N) Val=0.37, Plg=78,
                                                                     Azm=334; (P) Val=-2.17, Plg=10, Azm=122; Best double
                                                                     couple: Mo=2.0*10**18 Nm; NP1: Strike=258, Dip=78,
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Slip=-177; NP2: Strike=168, Dip=87, Slip=-12.
Centroid, Moment Tensor (HRV): Centroid origin time 18:24:05.0; Lat 44.96 S; Lon 80.59 W; Dep 15.0 Fix; Half-duration 2.9 sec; Principal axes (scale 10**18 Nm): (T) Val=2.34, Plg=5, Azm=35; (N) Val=-0.18, Plg=78, Azm=279; (P) Val=-2.16, Plg=11, Azm=126; Best double couple: Mo=2.2*10**18 Nm; NP1: Strike=170, Dip=78, Slip=-4; NP2: Strike=261, Dip=86, Slip=-168.
Scalar Moment (PPT): Mo=1.5*10**18 Nm.

19	18	35	29.1&	46.800	N	6.900	E	2					16	SWITZERLAND. <LDG>. ML 2.4 (LDG), 2.1 (STR).
19	19	03	01.4?	4.26	S	128.16	E	33	N	3.0		1.4	5	BANDA SEA
19	19	12	21.0&	49.380	N	6.980	E	1	G				8	GERMANY. <FBB>. ML 2.4 (FBB).
19	20	00	06.3*	46.941	N	0.343	W	5	G			1.4	7	FRANCE. ML 2.3 (LDG).
19	20	28	12.4*	0.531	S	97.074	E	33	N			0.6	9	SOUTHWEST OF SUMATERA, INDONESIA
19	20	34	23.9&	59.030	N	153.010	W	71					78	SOUTHERN ALASKA. <AEIC>.
19	21	05	38.3?	10.92	N	62.33	W	33	N			0.8	6	NEAR COAST OF VENEZUELA
19	21	18	42.2*	11.993	N	143.152	E	33	N	3.8		1.2	11	SOUTH OF MARIANA ISLANDS
19	21	52	43.5	35.838	N	31.138	E	56	*			1.1	18	CYPRUS REGION. MD 3.8 (ISK).
19	21	53	54.1	18.922	N	121.350	E	33	N	4.8		1.0	44	LUZON, PHILIPPINE ISLANDS
19	21	54	32.9	51.471	N	159.405	E	43	D	4.7	4.1	1.3	44	OFF EAST COAST OF KAMCHATKA
19	22	08	57.8	33.745	N	46.006	E	33	N	4.8		1.0	41	IRAN-IRAQ BORDER REGION
19	22	26	31.9&	18.200	N	67.170	W	13					10	MONA PASSAGE. <MPR>. MD 3.7 (MPR).
19	22	56	41.1*	6.303	S	146.560	E	119		3.8		1.2	13	EASTERN NEW GUINEA REG., P.N.G.
19	23	04	17.3*	10.270	N	62.041	W	10	G			1.2	10	NEAR COAST OF VENEZUELA
19	23	12	10.0&	18.130	N	66.680	W	19					9	PUERTO RICO REGION. <MPR>. MD 2.6 (MPR).
19	23	25	57.5?	0.99	S	16.06	W	10	G	3.8		1.2	8	NORTH OF ASCENSION ISLAND
20	00	46	58.7*	36.391	N	52.189	E	33	N	4.2		0.9	12	NORTHERN IRAN
20	01	37	52.9&	62.030	N	150.870	W	65					72	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
20	01	47	19.8&	18.270	N	67.250	W	12					5	MONA PASSAGE. <MPR>. MD 2.3 (MPR).
20	01	53	27.8&	18.270	N	67.260	W	10					6	MONA PASSAGE. <MPR>. MD 2.5 (MPR).
20	02	17	21.5&	18.270	N	67.260	W	14					7	MONA PASSAGE. <MPR>. MD 2.8 (MPR).
20	02	28	42.4&	18.930	N	65.340	W	35					5	PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
20	02	59	14.2&	32.232	S	72.297	W	26					10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
20	03	21	45.5	25.967	N	140.796	E	323	D	4.1		1.1	30	VOLCANO ISLANDS REGION
20	03	45	56.6*	8.401	N	126.514	E	100	G	4.0		0.9	11	MINDANAO, PHILIPPINE ISLANDS
20	04	09	40.9	35.132	S	110.862	W	10	G	5.0	5.4	1.0	38	SOUTHERN EAST PACIFIC RISE. Mw 5.8 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 04:09:50.1; Lat 35.09 S; Lon 111.27 W; Dep 15.0 Fix; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=6.30, Plg=2, Azm=242; (N) Val=-0.43, Plg=84, Azm=131; (P) Val=-5.88, Plg=6, Azm=332; Best double couple: Mo=6.1*10**17 Nm; NP1: Strike=17, Dip=84, Slip=-2; NP2: Strike=107, Dip=88, Slip=-174.
20	04	10	12.5*	31.371	N	49.119	E	33	N	4.5		1.4	17	WESTERN IRAN
20	04	19	12.4*	5.067	N	127.161	E	105	*	4.3		0.9	16	PHILIPPINE ISLANDS REGION
20	04	59	08.4?	18.80	S	171.35	E	33	N	4.0		0.3	6	VANUATU ISLANDS REGION
20	04	59	22.2&	37.633	N	118.816	W	4					9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.0 (GS).
20	05	06	18.5&	37.850	N	1.240	W	0	G				5	SPAIN. <MDD>. mbLg 2.1 (MDD).
20	05	43	53.4*	45.094	N	12.894	W	10	G			0.9	33	NORTH ATLANTIC OCEAN. mbLg 3.0 (MDD).
20	05	45	49.1*	51.888	N	171.551	W	33	N			0.6	5	FOX ISLANDS, ALEUTIAN ISLANDS
20	05	57	18.3*	32.325	N	142.772	E	33	N	4.5		1.1	15	SOUTH OF HONSHU, JAPAN
20	07	38	05.5	26.393	N	44.625	W	10	G	4.7		0.9	34	NORTHERN MID-ATLANTIC RIDGE
20	07	51	34.8&	31.562	S	71.769	W	31					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
20	08	05	52.3	4.449	S	102.525	E	54	D	4.3		1.0	22	SOUTHERN SUMATERA, INDONESIA
20	08	16	20.9?	15.75	S	179.79	W	33	N	3.9		0.3	6	FIJI ISLANDS REGION
20	08	38	10.1*	41.745	N	140.972	E	100	G	3.9		0.9	14	HOKKAIDO, JAPAN REGION
20	09	21	24.2&	37.632	N	118.896	W	9					29	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.9 (GS).
20	09	33	53.6&	48.400	N	5.100	E	2					5	FRANCE. <LDG>. ML 2.4 (LDG).
20	10	30	32.2?	7.42	N	76.44	W	100	G	4.0		1.4	5	NORTHERN COLOMBIA
20	11	18	49.8*	20.738	S	178.757	W	500	G	4.2		0.8	11	FIJI ISLANDS REGION
20	11	24	44.9	33.159	N	140.516	E	76	*	4.6		0.9	49	SOUTH OF HONSHU, JAPAN. Felt (II JMA) on Hachijo-jima.
20	11	38	51.9?	2.49	S	138.90	E	33	N	3.3		0.7	6	IRIAN JAYA, INDONESIA
20	11	55	47.1&	45.600	N	0.100	E	2					7	FRANCE. <LDG>. ML 2.4 (LDG).
20	12	09	00.1&	32.563	S	71.320	W	30					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
20	12	20	55.2&	31.186	S	72.036	W	14					11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
20	12	48	46.5&	19.030	N	65.090	W	97					7	PUERTO RICO REGION. <MPR>. MD 3.5 (MPR).
20	12	51	52.7?	22.09	S	169.78	E	33	N	4.0		1.2	14	LOYALTY ISLANDS REGION
20	13	09	25.8&	33.299	S	71.995	W	43					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
20	14	06	57.1&	16.711	N	94.729	W	103					6	OAXACA, MEXICO. <UNM>. MD 3.9 (UNM).
20	14	15	44.8*	38.829	N	14.527	E	300	G	4.1		1.0	16	SICILY
20	14	33	08.4&	17.453	N	95.145	W	63		3.9			7	OAXACA, MEXICO. <UNM>. MD 3.8 (UNM).
20	14	35	43.2&	40.347	N	124.851	W	6		3.9			37	NEAR COAST OF NORTHERN CALIF. <GM-P>. Mw 4.6 (BRK). ML 4.3 (GM), 4.3 (BRK), 4.2 (GS). Felt at Alderpoint, Briceland, Ferndale, Fortuna, Honeydew and Petrolia.
														Moment Tensor (BRK): Dep 14; Principal axes (scale 10**15 Nm): (T) Val=9.59, Plg=24, Azm=60; (N) Val=0.00, Plg=66, Azm=235; (P) Val=-9.59, Plg=2, Azm=329; Best double couple: Mo=9.6*10**15 Nm; NP1: Strike=197, Dip=75, Slip=19; NP2: Strike=102, Dip=72, Slip=164.
20	14	46	47.7?	39.02	S	175.15	E	201	?			0.2	12	NORTH ISLAND, NEW ZEALAND
20	15	05	17.0?	37.76	S	178.20	E	143	*	3.7		0.8	16	OFF E. COAST OF N. ISLAND, N.Z.
20	15	08	02.7	6.898	N	73.049	W	150	*	4.5		0.9	43	NORTHERN COLOMBIA
20	15	16	00.4&	45.619	N	26.308	E	117	?			0.5	7	ROMANIA
20	15	21	15.0	43.768	N	146.940	E	55	D	5.8	5.2	0.8	384	KURIL ISLANDS. Mw 5.7 (GS), 5.6 (HRV). Felt (II JMA) in eastern Hokkaido.
														Moment Tensor (GS): Dep 35; Principal axes (scale 10**17 Nm): (T) Val=3.31, Plg=85, Azm=236; (N) Val=0.39, Plg=4, Azm=34; (P) Val=-3.70, Plg=2, Azm=124; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=219, Dip=43, Slip=96; NP2: Strike=30, Dip=47, Slip=84.
														Centroid, Moment Tensor (HRV): Centroid origin time

15:21:17.3; Lat 43.77 N; Lon 147.40 E; Dep 51.0 Bdy; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.38, Plg=75, Azm=213; (N) Val=-0.10, Plg=15, Azm=51; (P) Val=-3.28, Plg=5, Azm=320; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=34, Dip=42, Slip=68; NP2: Strike=243, Dip=51, Slip=109.

20	15	51	01.1?	19.07	S	177.70	W	550	G	4.0	0.8	12	FIJI ISLANDS REGION
20	15	56	46.3?	32.18	S	179.17	W	33	N	4.0	0.5	7	SOUTH OF KERMADEC ISLANDS
20	15	57	08.9*	43.781	N	146.993	E	79	?	4.1	0.9	15	KURIL ISLANDS
20	16	01	52.4&	44.378	N	7.223	E	11				33	NORTHERN ITALY. <GEN>. ML 2.9 (LDG), 2.9 (STR), 2.8 (GEN).
20	16	07	13.8&	55.420	N	162.170	W	156		3.6		92	ALASKA PENINSULA. <AEIC>.
20	16	23	31.6?	5.71	S	152.43	E	33	N	3.4	0.9	7	NEW BRITAIN REGION, P.N.G.
20	16	32	33.4&	44.058	N	7.452	E	8				7	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
20	16	33	06.5&	47.954	N	115.051	W	7				37	MONTANA. <BUT>. ML 4.0 (BUT). MD 3.7 (SEA). Felt at Happy's Inn, Libby and Marion.
20	16	33	25.6*	2.804	S	129.974	E	33	N	3.5	1.2	11	SERAM, INDONESIA
20	16	43	52.0	36.447	N	70.771	E	217	D	4.4	1.1	23	HINDU KUSH REGION, AFGHANISTAN
20	18	03	56.4*	36.412	N	71.199	E	100	G	4.8	1.3	32	AFGHANISTAN-TAJIKISTAN BORD REG.
20	19	35	04.0*	42.012	N	84.752	E	33	N	3.5	0.8	10	NORTHERN XINJIANG, CHINA
20	19	50	47.9*	30.582	N	137.911	E	466	*	4.0	0.9	16	SOUTH OF HONSHU, JAPAN
20	20	34	30.5*	37.187	N	20.802	E	33	N		1.5	14	IONIAN SEA
20	20	38	48.1?	53.68	N	164.31	W	33	N	3.4	1.3	9	UNIMAK ISLAND REGION
20	20	53	52.2&	40.350	N	28.639	E	15				4	TURKEY. <ISK>. MD 2.6 (ISK).
20	21	14	26.5?	5.30	S	151.96	E	33	N	3.7	0.5	7	NEW BRITAIN REGION, P.N.G.
20	21	19	07.5*	20.177	S	178.298	W	550	G	4.0	0.8	12	FIJI ISLANDS REGION
20	22	08	24.3*	55.288	N	161.985	E	33	N	3.6	0.4	8	NEAR EAST COAST OF KAMCHATKA
20	22	11	35.5&	32.256	N	115.547	W	13				2	CALIF.-BAJA CALIF. BORDER REGION. <ECX>. MD 3.1 (ECX). ML 3.2 (PAS).
20	22	17	40.3&	37.310	N	2.670	W	0	G			9	SPAIN. <MDD>. mbLg 2.2 (MDD).
20	22	28	02.2&	37.210	N	3.750	W	0	G			4	SPAIN. <MDD>. mbLg 1.4 (MDD).
20	23	03	32.4	42.278	N	78.239	E	33	N	4.1	0.9	21	LAKE ISSYK-KUL REGION
20	23	29	41.7	22.742	N	121.419	E	33	N	4.4	1.3	29	TAIWAN REGION. Felt (III JMA) at Tai-tung. Felt in eastern and southern Taiwan.
20	23	50	48.7	30.452	N	141.871	E	33	N	4.8	1.0	45	SOUTH OF HONSHU, JAPAN
21	00	15	58.7*	39.911	N	113.359	E	33	N		1.0	5	NORTHEASTERN CHINA
21	00	25	47.4	42.889	S	173.398	E	33	N		0.7	14	SOUTH ISLAND, NEW ZEALAND. ML 4.6 (WEL). Felt at Hanmer.
21	03	26	20.8&	36.118	S	70.534	W	209				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
21	04	03	48.3&	32.578	S	71.621	W	26				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
21	05	50	29.9?	38.53	S	175.98	E	170	G		0.2	11	NORTH ISLAND, NEW ZEALAND
21	05	51	33.3	51.622	N	16.231	E	5	G	3.6	0.8	30	POLAND. ML 4.0 (GRF), 3.6 (VIE).
21	05	55	28.1*	42.987	N	47.249	E	33	N	3.2	0.2	6	EASTERN CAUCASUS. Felt (III) at Makhachkala, Russia.
21	06	11	56.0*	24.216	N	97.276	E	60	*		1.4	8	MYANMAR-CHINA BORDER REGION
21	06	35	48.0*	2.756	S	139.164	E	99	?	3.9	1.5	15	NEAR NORTH COAST OF IRIAN JAYA
21	07	28	32.9&	60.180	N	152.550	W	98				91	SOUTHERN ALASKA. <AEIC>.
21	07	43	34.2&	34.333	S	70.197	W	10				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
21	08	39	19.9*	59.295	N	54.372	W	10	G	4.2	1.3	24	EAST OF LABRADOR, CANADA. ML 4.9 (OTT).
21	08	51	25.2&	32.192	S	71.833	W	13				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
21	09	07	18.6&	32.521	S	71.364	W	20				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
21	09	23	13.4*	17.443	S	179.725	W	600	G	4.1	0.5	15	FIJI ISLANDS REGION
21	09	35	14.2&	47.700	N	1.300	E	2				4	FRANCE. <LDG>. ML 2.2 (LDG).
21	09	36	52.3	18.000	S	179.448	W	617	D	4.7	0.9	108	FIJI ISLANDS REGION
21	09	50	13.9&	45.200	N	4.100	E	2				8	FRANCE. <LDG>. ML 2.2 (LDG).
21	10	39	04.1*	5.451	S	146.253	E	62	D		1.1	11	EASTERN NEW GUINEA REG., P.N.G.
21	10	41	45.3*	14.602	N	146.968	E	33	N	4.3	0.9	16	MARIANA ISLANDS
21	11	33	37.8&	46.149	N	120.458	W	20				39	WASHINGTON. <SEA-P>. MD 2.7 (SEA).
21	11	44	58.5*	25.038	S	70.710	W	33	N	4.2	1.0	18	NEAR COAST OF NORTHERN CHILE
21	11	51	30.5?	46.95	N	146.92	E	350	G		1.2	10	NORTHWEST OF KURIL ISLANDS
21	12	05	15.0*	21.933	S	176.933	W	250	G	4.3	1.0	27	FIJI ISLANDS REGION
21	12	51	17.7&	40.383	N	27.247	E	8				5	TURKEY. <ISK>. MD 2.9 (ISK).
21	13	58	16.7	36.347	N	26.071	E	159	*	4.1	0.8	21	DODECANESE ISLANDS
21	14	57	13.5?	55.88	S	27.22	W	33	N		1.3	12	SOUTH SANDWICH ISLANDS REGION
21	15	24	48.7&	8.451	N	82.787	W	0				6	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.9 (UPA).
21	15	39	03.3*	20.302	S	178.430	W	600	G	4.1	0.8	24	FIJI ISLANDS REGION
21	16	24	46.9&	36.630	N	7.130	W	2				16	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.9 (MDD).
21	16	31	37.5	6.367	S	129.028	E	217	*	4.4	1.0	33	BANDA SEA
21	18	30	34.1?	30.37	S	71.63	W	50	G		0.4	14	NEAR COAST OF CENTRAL CHILE
21	18	55	58.6*	37.721	N	75.882	E	100	G	3.4	1.0	11	TAJIKISTAN-XINJIANG BORDER REG.
21	19	16	57.4*	10.201	N	92.868	E	33	N	4.1	0.5	6	ANDAMAN ISLANDS, INDIA
21	20	00	12.5&	44.544	N	7.159	E	9				8	NORTHERN ITALY. <GEN>. ML 2.2 (GEN).
21	22	00	57.2*	61.472	N	43.490	W	10	G	3.9	1.2	12	WESTERN GREENLAND
21	22	56	37.7	46.775	N	152.422	E	110	G	4.4	1.1	53	KURIL ISLANDS
21	23	45	36.8	58.876	S	149.137	E	10	G	5.1 5.5	0.8	44	WEST OF MACQUARIE ISLAND. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:45:44.1; Lat 58.91 S; Lon 148.57 E; Dep 15.0 Fix; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=4.34, Plg=8, Azm=30; (N) Val=0.08, Plg=81, Azm=192; (P) Val=-4.42, Plg=3, Azm=300; Best double couple: Mo=4.4*10**17 Nm; NP1: Strike=75, Dip=82, Slip=176; NP2: Strike=165, Dip=86, Slip=8.
22	00	06	22.7*	6.436	S	155.119	E	46	D	4.3	1.0	19	SOLOMON ISLANDS
22	00	24	25.1&	62.000	N	150.260	W	47				82	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.4 (PMR).
22	01	18	31.8	4.170	S	143.275	E	141	D	5.0	0.9	93	NEW GUINEA, PAPUA NEW GUINEA
22	01	25	24.8&	37.350	N	3.560	W	36				9	SPAIN. <MDD>.
22	01	49	15.1&	44.299	N	7.194	E	8				9	NORTHERN ITALY. <GEN>. ML 2.2 (GEN).
22	02	33	04.2*	37.376	N	71.983	E	150	G	3.6	1.2	12	AFGHANISTAN-TAJIKISTAN BORD REG.
22	02	36	00.1?	46.11	N	16.57	E	10	G		1.1	5	NORTHWESTERN BALKAN REGION. ML 2.4 (VIE), 1.8 (LJU).
22	02	53	05.5	23.290	S	70.127	W	44	D	4.4	1.2	37	NEAR COAST OF NORTHERN CHILE. Felt (IV) at Mejillones and (III) at Antofagasta.
22	02	59	58.2&	44.800	N	6.600	E	2				13	FRANCE. <LDG>. ML 2.3 (GEN), 2.0 (LDG).
22	03	10	44.1*	50.449	N	18.844	E	5	G		1.4	6	POLAND. ML 2.8 (VIE).
22	03	32	51.0?	14.99	S	173.54	W	33	N	4.2	0.9	15	SAMOA ISLANDS REGION
22	04	06	28.2&	36.900	N	2.980	W	0	G			4	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.3 (MDD).
22	04	11	59.0?	41.36	N	115.38	E	33	N	3.6	0.9	6	NORTHEASTERN CHINA

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22  04 27 37.9& 33.974 S   71.940 W   27                        13  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
22  04 28 51.6  24.291 S  179.520 E  600 G  4.2       0.6    21  SOUTH OF FIJI ISLANDS
22  04 35 34.2? 54.38  N  159.66  E   33 N  3.3       1.2     7  NEAR EAST COAST OF KAMCHATKA
22  04 47 05.1& 38.832 N   25.543 E   10 G                       5  AEGEAN SEA. <ISK>. MD 3.2 (ISK).
22  05 29 58.9  50.691 N   18.795 E    5 G                0.6    8  POLAND. ML 2.9 (VIE).
22  05 47 30.8  19.654 S  178.135 W  450 G  4.6       0.9    56  FIJI ISLANDS REGION
22  06 08 18.3& 33.687 S   70.078 W    4                        14  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.0 (GUC).
22  06 26 51.9&  8.643 N   82.932 W    5                         9  PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.0 (UPA).
22  06 31 12.6& 63.080 N  149.120 W   93      2.9              99  CENTRAL ALASKA. <AEIC>.
22  07 04 36.5   8.157 S  120.832 E  150 G  4.4       1.2    20  FLORES REGION, INDONESIA
22  07 34 29.0& 45.700 N    3.000 E    5                         7  FRANCE. <LDG>. ML 2.0 (LDG).
22  08 36 32.0   4.576 S  144.830 E  202                0.9    19  NEAR N COAST OF NEW GUINEA, PNG.
22  09 09 33.5& 45.700 N    2.600 E    4                        17  FRANCE. <LDG>. ML 2.7 (LDG), 2.2 (STR).
22  09 21 41.5& 19.060 N   65.960 W   73                         8  PUERTO RICO REGION. <MPR>. MD 3.2 (MPR).
22  09 47 28.3& 45.200 N    3.600 E    7                         5  FRANCE. <LDG>. ML 2.1 (LDG).
22  10 39 17.1& 39.708 N   29.620 E   10 G                       4  TURKEY. <ISK>. MD 2.6 (ISK).
22  11 39 20.9? 18.25  N  145.78  E   33 N  3.4       1.3     5  MARIANA ISLANDS
22  12 41 53.9& 11.308 N   61.773 W   15                         4  WINDWARD ISLANDS. <TRN>. MD 2.9 (TRN).
22  12 42 42.3& 34.700 S   70.758 W    5                        12  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.8 (GUC).
22  14 32 03.6? 10.40  S  161.32  E   33 N                1.4    9  SOLOMON ISLANDS
22  14 35 03.1?  5.71  N  125.70  E  163 *  4.2         1.4    9  MINDANAO, PHILIPPINE ISLANDS
22  14 36 42.6* 10.231 S  161.191 E   33 N  4.3       1.4    19  SOLOMON ISLANDS
22  14 58 12.2& 45.000 N    5.900 E    0                         6  FRANCE. <LDG>. ML 2.2 (LDG).
22  15 07 07.3& 45.000 N    6.000 E    0                         7  FRANCE. <LDG>. ML 2.4 (LDG).
22  15 12 39.0* 27.602 S  178.095 W   33 N  5.0 5.1   1.5    47  KERMADEC ISLANDS REGION. Mw 5.6 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   15:12:43.3; Lat 27.50 S; Lon 177.90 W; Dep 15.0 Fix; Half-
                                                                   duration 1.5 sec; Principal axes (scale 10**17 Nm): (T)
                                                                   Val=2.81, Plg=6, Azm=273; (N) Val=-0.41, Plg=77, Azm=159;
                                                                   (P) Val=-2.39, Plg=12, Azm=4; Best double couple:
                                                                   Mo=2.6*10**17 Nm; NP1: Strike=48, Dip=77, Slip=-5; NP2:
                                                                   Strike=139, Dip=85, Slip=-167.
22  15 35 25.1& 35.301 S   71.248 W  109                        13  CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
22  16 05 52.3  48.587 N   84.792 E   33 N  4.9 4.6   1.0   104  EASTERN KAZAKHSTAN. Felt (III) at Oskamen.
22  16 17 54.0& 60.200 N  153.050 W  126                        63  SOUTHERN ALASKA. <AEIC>.
22  16 18 36.3& 19.160 N   64.720 W   55                         8  VIRGIN ISLANDS. <MPR>. MD 3.7 (MPR).
22  17 06 44.1* 11.895 S   72.162 W   33 N  4.3       1.4    10  CENTRAL PERU
22  17 30 54.9* 45.199 N  149.920 E   50 G  3.9       0.8    12  KURIL ISLANDS
22  17 48 07.1* 37.264 N   20.667 E   33 N  3.8       1.0    19  IONIAN SEA
22  18 29 24.5   3.701 N  128.030 E  109 D  4.8       0.8    26  NORTH OF HALMAHERA, INDONESIA
22  19 11 41.8? 14.55  S  177.73  W  400 G             0.9    13  FIJI ISLANDS REGION
22  19 16 55.8  46.508 N   13.853 E   10 G                0.7     7  AUSTRIA. ML 2.4 (VIE).
22  19 20 28.7& 31.855 S   69.976 W  152                        13  SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.4 (GUC).
22  19 24 54.5*  4.477 S   68.544 E   10 G  4.6       1.0    16  CHAGOS ARCHIPELAGO REGION
22  19 37 46.4& 60.330 N  151.280 W   53                        30  KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
22  19 51 19.1& 60.080 N  153.090 W  129      3.8              47  SOUTHERN ALASKA. <AEIC>.
22  20 19 07.3& 63.230 N  148.050 W   80                        24  CENTRAL ALASKA. <AEIC>.
22  20 19 15.5%  0.939 S   13.142 W   10 G                0.8    8  NORTH OF ASCENSION ISLAND
22  20 39 52.0   0.058 S  124.805 E   33 N  4.6       1.2    19  SOUTHERN MOLUCCA SEA
22  20 52 25.0& 45.000 N    6.000 E    0                         7  FRANCE. <LDG>. ML 1.9 (LDG).
22  20 53 33.0* 24.997 S  179.822 W  500 G  4.6       1.1    31  SOUTH OF FIJI ISLANDS
22  21 51 29.3& 40.018 N   28.112 E   11                         4  TURKEY. <ISK>. MD 2.6 (ISK).
22  22 17 40.1& 18.820 N   64.560 W   58                         8  VIRGIN ISLANDS. <MPR>. MD 3.5 (MPR).
22  23 14 05.1& 11.223 N   62.415 W  125                         5  WINDWARD ISLANDS. <TRN>. MD 3.2 (TRN).
22  23 18 00.4& 18.910 N   65.270 W   80                         8  PUERTO RICO REGION. <MPR>. MD 3.4 (MPR).
23  00 02 56.1& 40.352 N   29.269 E   10 G                       6  TURKEY. <ISK>. MD 2.5 (ISK).
23  01 53 14.6  51.296 N  178.152 W   33 N  4.9       0.9   116  ANDREANOF ISLANDS, ALEUTIAN IS.
23  01 59 26.5* 25.072 S   70.007 E   10 G  4.1       0.9    16  MID-INDIAN RIDGE
23  03 42 43.4& 34.001 S   70.617 W   95                        11  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
23  03 51 35.3* 44.344 N  149.791 E   33 N  3.7       1.0    21  KURIL ISLANDS
23  04 12 28.3* 14.484 N  146.986 E   33 N  4.1       1.0    15  MARIANA ISLANDS
23  04 31 47.4? 16.86  S  173.17  W   33 N  4.1       1.2    11  TONGA ISLANDS
23  05 03 34.3& 31.885 S   71.973 W   22                         9  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
23  05 13 07.9& 31.890 S   71.955 W   27                        10  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
23  05 15 02.5? 21.76  S  176.57  W  100 G  4.4       1.1    13  FIJI ISLANDS REGION
23  05 46 20.6? 26.97  N  141.81  E   33 N  4.1       0.6     8  BONIN ISLANDS REGION
23  06 17 31.4  10.832 S   74.518 W   33 N  4.3       0.7    16  CENTRAL PERU
23  06 23 23.5? 22.39  S  179.73  W  600 G  4.2       1.1    13  SOUTH OF FIJI ISLANDS
23  07 50 17.0& 32.975 N  116.449 W   13                        21  CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.2 (PAS).
                                                                   Felt.
23  08 50 00.6* 19.020 S  169.735 E   33 N  4.6       1.3    35  VANUATU ISLANDS
23  09 20 08.2  52.379 N  168.643 W   33 N  5.8 5.5   1.0   341  FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.9 (HRV), 5.8 (GS). ML
                                                                   5.5 (PMR).
                                                                  Moment Tensor (GS): Dep 22; Principal axes (scale 10**17
                                                                   Nm): (T) Val=5.81, Plg=65, Azm=337; (N) Val=-0.94, Plg=2,
                                                                   Azm=243; (P) Val=-4.87, Plg=24, Azm=152; Best double
                                                                   couple: Mo=5.3*10**17 Nm; NP1: Strike=238, Dip=21, Slip=85;
                                                                   NP2: Strike=64, Dip=70, Slip=92.
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   09:20:10.3; Lat 52.10 N; Lon 168.47 W; Dep 15.0 Bdy; Half-
                                                                   duration 2.0 sec; Principal axes (scale 10**17 Nm): (T)
                                                                   Val=7.62, Plg=66, Azm=335; (N) Val=0.21, Plg=0, Azm=244;
                                                                   (P) Val=-7.83, Plg=24, Azm=154; Best double couple:
                                                                   Mo=7.7*10**17 Nm; NP1: Strike=243, Dip=21, Slip=89; NP2:
                                                                   Strike=64, Dip=69, Slip=90.
23  09 25 23.2  52.308 N  168.668 W   33 N  5.2       0.9   147  FOX ISLANDS, ALEUTIAN ISLANDS
23  09 37 47.9  52.325 N  168.567 W   33 N  4.9       1.0    71  FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR).
23  09 41 38.2*  7.115 N   72.863 W  127 ?  4.3       1.1    29  NORTHERN COLOMBIA
23  10 14 14.9* 52.428 N  168.569 W   33 N              1.0     8  FOX ISLANDS, ALEUTIAN ISLANDS
23  10 48 01.6  52.491 N  168.518 W   33 N  4.6       1.1    54  FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.4 (PMR).
23  10 53 08.0  13.950 N   89.882 W  144 D  4.8       1.3    50  EL SALVADOR. MD 4.7 (UNM).
23  11 26 42.5?  9.80  S  123.41  E   33 N  4.1       1.1     8  TIMOR REGION, INDONESIA
23  11 41 13.3  49.446 N    6.924 E   10 G                0.6     7  GERMANY. ML 2.3 (FBB).
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23  11 46 48.3& 18.160 N   68.060 W  106                      10  MONA PASSAGE. <MPR>. MD 3.7 (MPR).
23  11 49 13.0? 44.49  N  147.93  E   44 D          1.4   10  KURIL ISLANDS
23  11 50 07.6* 16.396 S   71.036 W  156 *  3.3     1.0   11  SOUTHERN PERU
23  12 27 54.9  52.328 N  168.615 W   33 N  5.5 4.9 1.0  216  FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.4 (HRV). ML 5.1 (PMR).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               12:27:56.1; Lat 52.10 N; Lon 168.84 W; Dep 28.3; Half-
                                                               duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=1.27, Plg=69, Azm=326; (N) Val=0.10, Plg=2, Azm=61; (P)
                                                               Val=-1.37, Plg=21, Azm=151; Best double couple:
                                                               Mo=1.3*10**17 Nm; NP1: Strike=245, Dip=24, Slip=95; NP2:
                                                               Strike=60, Dip=66, Slip=88.
23  12 32 52.9  39.393 N   44.011 E   33 N  4.9     1.2   40  ARMENIA-AZERBAIJAN-IRAN BORD REG. MD 4.2 (ISK).
23  12 49 00.8& 33.803 N  117.810 W    9                       5  SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS). Felt in Orange
                                                               County.
23  13 03 37.2* 5.973  S  152.760 E  100 G  4.0     1.4   11  NEW BRITAIN REGION, P.N.G.
23  13 04 53.7& 33.804 N  117.810 W   10                      28  SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS). Felt in Orange
                                                               County.
23  13 05 33.2  52.428 N  168.466 W   33 N  4.0     0.9   21  FOX ISLANDS, ALEUTIAN ISLANDS
23  13 21 37.3? 23.26  S   70.34  W  100 G          0.7    7  NEAR COAST OF NORTHERN CHILE
23  13 38 50.1& 31.144 S   71.610 W   28                      14  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
23  13 43 32.4  52.261 N  168.614 W   33 N  5.4     0.9  179  FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.3 (HRV). ML 4.7 (PMR).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               13:43:31.5; Lat 52.30 N; Lon 169.03 W; Dep 15.0 Fix; Half-
                                                               duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                               Val=9.49, Plg=54, Azm=308; (N) Val=0.44, Plg=3, Azm=42; (P)
                                                               Val=-9.93, Plg=36, Azm=133; Best double couple:
                                                               Mo=9.7*10**16 Nm; NP1: Strike=237, Dip=10, Slip=106; NP2:
                                                               Strike=41, Dip=81, Slip=87.
23  13 48 32.4* 60.236 S   27.158 W   33 N  4.7     0.9   19  SOUTH SANDWICH ISLANDS REGION
23  14 08 27.7& 40.274 N   29.679 E    7                       8  TURKEY. <ISK>. MD 2.6 (ISK).
23  14 29 53.0* 2.509  N  128.362 E  100 G  4.1     1.0    8  HALMAHERA, INDONESIA
23  14 35 01.6& 34.444 S   70.961 W   83                      13  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
23  14 41 05.3* 2.661  N   95.622 E   33 N  4.5     1.0   15  OFF W COAST OF NORTHERN SUMATERA
23  14 45 42.0? 52.28  N  168.54  W   33 N          1.3    8  FOX ISLANDS, ALEUTIAN ISLANDS
23  14 56 00.9& 44.543 N    7.423 E   14                       8  NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
23  16 18 56.2* 37.012 S   17.213 W   10 G          1.0   10  SOUTHERN MID-ATLANTIC RIDGE
23  16 24 01.8& 57.840 N  155.620 W   97     3.0            82  ALASKA PENINSULA. <AEIC>.
23  17 52 23.6& 16.930 N  100.375 W    5 G                   12  NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
23  19 17 04.5& 36.510 N    3.170 W    0                       5  STRAIT OF GIBRALTAR. <MDD>. mbLg 2.4 (MDD).
23  19 18 31.0* 10.690 S  116.235 E   33 N  3.3     1.0    9  SOUTH OF SUMBAWA, INDONESIA
23  19 26 16.5& 44.414 N    7.281 E    7                       5  NORTHERN ITALY. <GEN>. ML 1.5 (GEN).
23  19 44 39.6? 13.63  N   92.01  W   33 N  4.2     1.2    9  OFF COAST OF CHIAPAS, MEXICO
23  20 13 41.9& 49.900 N    5.400 E    2                      14  FRANCE. <LDG>. ML 2.3 (LDG), 2.0 (STR), 1.9 (UCC).
23  20 53 55.5& 33.295 S   70.931 W   68                      12  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
23  21 02 29.9& 32.480 S   71.672 W   25                      10  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
23  21 32 37.6* 34.084 N  135.058 E   10 G  3.9     0.9    9  NEAR S. COAST OF WESTERN HONSHU
23  22 06 46.6& 31.031 S   71.596 W   15                      13  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
23  22 12 54.3& 30.737 S   72.053 W   25                      10  OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
23  22 20 45.0? 25.25  N  122.19  E  113 ?  3.3     1.4    7  TAIWAN REGION
23  23 22 36.7  49.436 N    6.941 E   10 G          0.3    7  GERMANY. ML 1.8 (UCC).
23  23 24 16.0* 9.896  N  126.086 E  100 G  4.4     1.1   19  MINDANAO, PHILIPPINE ISLANDS
23  23 41 27.8? 26.37  S   28.51  E    5 G          0.9    5  REPUBLIC OF SOUTH AFRICA
23  23 52 20.8* 52.560 N  168.554 W   33 N  4.5     1.0   21  FOX ISLANDS, ALEUTIAN ISLANDS
23  23 57 49.2& 39.691 N   27.957 E   10 G                  5  TURKEY. <ISK>. MD 2.7 (ISK).
24  00 21 14.7& 31.559 S   71.401 W   44                      20  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC).
24  00 42 46.6& 8.773  N   82.803 W    6     3.7            10  PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.3 (UPA).
24  00 49 00.1& 8.270  S  116.300 E  238                       4  SUMBAWA REGION, INDONESIA. <DJA>.
24  00 52 52.7* 52.464 N  168.331 W   33 N  4.7     1.0   43  FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.2 (PMR).
24  01 38 34.9? 36.25  N   69.92  E  284 ?  3.4     1.4   10  HINDU KUSH REGION, AFGHANISTAN
24  01 50 05.7  49.432 N    6.916 E   10 G          0.4    7  GERMANY. ML 1.8 (UCC).
24  02 01 39.5   6.750 S  129.623 E  176     4.9     0.9   98  BANDA SEA
24  03 11 16.3& 32.079 S   71.679 W   30                      10  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
24  03 12 01.9  52.410 N  168.595 W   33 N  4.6     1.0   26  FOX ISLANDS, ALEUTIAN ISLANDS
24  03 23 13.5& 32.520 S   69.695 W  139                      17  MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 4.1 (GUC).
24  04 08 42.1* 41.267 S  175.220 E   33 N          0.6    8  NORTH ISLAND, NEW ZEALAND. ML 3.3 (WEL).
24  04 19 25.5  38.160 N   17.975 E   33 N          1.2   24  SOUTHERN ITALY. ML 3.5 (ROM).
24  04 38 53.1? 3.61   S  102.74  W   10 G  4.3     1.0   17  CENTRAL EAST PACIFIC RISE
24  05 38 22.5* 22.444 S  174.630 W   33 N  4.8 4.9 1.4   41  TONGA ISLANDS REGION. Mw 5.1 (HRV).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               05:38:22.9; Lat 22.34 S; Lon 173.77 W; Dep 15.0 Fix; Half-
                                                               duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                               Val=5.05, Plg=56, Azm=335; (N) Val=0.38, Plg=23, Azm=204;
                                                               (P) Val=-5.44, Plg=22, Azm=104; Best double couple:
                                                               Mo=5.2*10**16 Nm; NP1: Strike=157, Dip=31, Slip=39; NP2:
                                                               Strike=32, Dip=71, Slip=115.
24  06 19 59.6? 29.00  S  176.86  W   33 N          0.8    6  KERMADEC ISLANDS REGION
24  06 32 51.8* 4.280  S  129.017 E   78 ?  4.4     1.2   18  BANDA SEA
24  08 46 33.5* 23.876 S   66.976 W  202 *  4.0     0.9   20  JUJUY PROVINCE, ARGENTINA
24  09 04 26.1? 53.14  N  160.09  E   33 N  4.7     1.4   13  NEAR EAST COAST OF KAMCHATKA
24  11 26 06.7& 62.800 N  150.730 W   89     2.5            43  CENTRAL ALASKA. <AEIC>.
24  12 13 46.8? 27.20  N  112.04  W   10 G  3.6     1.5    9  BAJA CALIFORNIA, MEXICO
24  13 46 27.5  45.318 N  151.241 E   58 D  4.5     1.0   39  KURIL ISLANDS
24  13 48 10.5& 37.630 N  118.813 W    5                      41  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.6
                                                               (BRK), 3.5 (GS).
24  14 16 49.6   0.126 N  123.590 E  171 D  4.6     1.4   24  MINAHASSA PENINSULA, SULAWESI
24  14 37 24.6& 44.725 N    6.652 E   16                       5  FRANCE. <GEN>. ML 2.1 (GEN).
24  15 00 04.1* 6.541  S  129.850 E  185 ?  4.2     0.8   10  BANDA SEA
24  15 43 02.9& 39.933 N   26.785 E   10                       7  TURKEY. <ISK>. MD 3.0 (ISK).
24  16 20 59.2* 33.324 N   59.909 E   33 N  3.6     1.0   10  NORTHERN IRAN
24  16 30 42.4? 31.03  S  178.64  W   33 N  4.4     0.8   14  KERMADEC ISLANDS REGION
24  17 32 23.5& 44.277 N    7.328 E   15                       8  NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
24  17 34 16.2& 44.284 N    7.325 E   14                       7  NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
24  17 44 39.8& 65.370 N  149.980 W   13                      16  NORTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
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24  17 57 54.6* 22.173 S  179.628 W  600 G  4.6        0.9   32  SOUTH OF FIJI ISLANDS
24  18 13 27.3? 31.93  S  178.66  W   33 N  4.1        0.6    7  KERMADEC ISLANDS REGION
24  19 19 43.8& 46.700 N    1.400 W    2                      23  FRANCE. <LDG>. ML 3.3 (LDG), 3.2 (STR).
24  19 39 36.4& 32.676 S   71.507 W   20                       9  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
24  19 45 01.2? 11.54  N   85.47  W   33 N  4.1        1.1   12  NICARAGUA
24  20 06 49.0? 31.00  S  178.51  W   33 N  4.7        1.1   12  KERMADEC ISLANDS, NEW ZEALAND
24  20 21 56.2& 43.500 N    0.700 W    2                       6  PYRENEES. <LDG>. ML 2.5 (LDG).
24  20 35 47.9  37.109 N   21.286 E   10 G  4.2        1.2   34  SOUTHERN GREECE
24  20 56 24.7& 11.850 N   61.020 W   32                       5  WINDWARD ISLANDS. <TRN>. MD 3.1 (TRN).
24  21 18 39.7? 11.54  N   85.64  W   33 N  4.3        1.0    9  NICARAGUA
24  22 04 49.3  18.773 N  121.519 E   33 N  4.7        0.9   32  LUZON, PHILIPPINE ISLANDS
24  22 22 47.3? 18.61  S  172.88  W   33 N  4.2        0.8   10  TONGA ISLANDS REGION
24  22 40 51.9* 32.459 S  178.500 W   33 N  4.8 5.1     1.1   30  SOUTH OF KERMADEC ISLANDS
24  22 51 52.8* 35.831 N   53.571 E   10 G  4.2        1.1   15  NORTHERN IRAN
24  23 39 13.7  43.631 N  147.043 E   77 *  4.6        0.9   59  KURIL ISLANDS. Felt (I JMA) in eastern Hokkaido.
25  00 05 07.0  17.871 S  178.662 W  600 G  4.6        1.0   67  FIJI ISLANDS REGION
25  00 13 57.1*  6.106 S  147.717 E   33 N  4.3        1.0   20  EASTERN NEW GUINEA REG., P.N.G.
25  00 18 23.5? 32.24  S  179.49  E  500 G  4.3        0.6   10  SOUTH OF KERMADEC ISLANDS
25  00 21 33.8& 31.929 N  115.740 W    8 G                     23  BAJA CALIFORNIA, MEXICO. <ECX>. MD 3.6 (ECX). ML 3.6 (PAS).
25  00 55 03.6& 38.129 N   38.952 E   10 G                    14  TURKEY. <ISK>. MD 3.8 (ISK).
25  01 08 19.2* 19.043 N  145.733 E  250 G  3.8        0.5   12  MARIANA ISLANDS
25  01 26 10.8? 23.98  S   66.63  W  215 *                    0.8   10  JUJUY PROVINCE, ARGENTINA
25  02 44 54.5& 37.030 N    3.960 W    0                       6  SPAIN. <MDD>. mbLg 1.5 (MDD).
25  04 34 08.3*  0.111 S  125.066 E   33 N  3.7        1.2    8  SOUTHERN MOLUCCA SEA
25  04 43 00.5  15.262 S  173.907 W   97 D  4.8        1.0   98  TONGA ISLANDS
25  05 07 21.7& 32.564 S   71.524 W   22                      11  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
25  05 11 29.3? 32.70  S  178.31  W   33 N  4.6        1.2   20  SOUTH OF KERMADEC ISLANDS
25  05 15 40.2* 64.683 N  151.543 W   10 G                    0.9    6  CENTRAL ALASKA. ML 2.9 (PMR).
25  05 28 12.5*  0.079 N   16.814 W   10 G  4.5        1.1   15  NORTH OF ASCENSION ISLAND
25  08 02 33.0& 60.240 N  139.620 W   10 G                   23  SOUTHEASTERN ALASKA. <PGC-P>. ML 3.0 (PGC), 3.0 (AEIC).
25  08 12 12.7  15.323 S  176.302 W   33 N  4.9 5.3     1.1   94  FIJI ISLANDS REGION. Mw 5.6 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   08:12:16.8; Lat 15.13 S; Lon 176.06 W; Dep 15.0 Fix; Half-
                                                                   duration 1.6 sec; Principal axes (scale 10**17 Nm): (T)
                                                                   Val=3.53, Plg=9, Azm=157; (N) Val=-0.37, Plg=81, Azm=335;
                                                                   (P) Val=-3.15, Plg=0, Azm=67; Best double couple:
                                                                   Mo=3.3*10**17 Nm; NP1: Strike=202, Dip=83, Slip=174; NP2:
                                                                   Strike=293, Dip=84, Slip=7.
25  08 21 05.9& 37.605 N  118.683 W   12                       5  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
25  08 24 18.8? 21.50  N  121.38  E   33 N  3.7        0.9    6  TAIWAN REGION
25  08 27 27.3& 31.154 S   69.584 W  182                      13  SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.8 (GUC).
25  08 56 34.9* 54.778 S  119.306 W   10 G  4.6 5.2     1.0   26  SOUTHERN EAST PACIFIC RISE. Mw 5.5 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   08:56:42.0; Lat 54.49 S; Lon 119.12 W; Dep 15.0 Fix; Half-
                                                                   duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                                   Val=1.79, Plg=1, Azm=328; (N) Val=0.13, Plg=78, Azm=234;
                                                                   (P) Val=-1.92, Plg=12, Azm=58; Best double couple:
                                                                   Mo=1.9*10**17 Nm; NP1: Strike=103, Dip=81, Slip=-8; NP2:
                                                                   Strike=194, Dip=82, Slip=-171.
25  09 25 48.6* 19.268 S  178.070 W  500 G  4.2        0.9   26  FIJI ISLANDS REGION
25  10 02 43.8& 40.845 N   28.260 E    9                      17  TURKEY. <ISK>. MD 3.2 (ISK).
25  11 28 25.0& 60.260 N  139.600 W    5 G                    40  SOUTHEASTERN ALASKA. <PGC-P>. ML 3.1 (PGC), 3.1 (AEIC).
25  12 03 30.8? 12.69  N  143.57  E  154 ?                    0.9    9  SOUTH OF MARIANA ISLANDS
25  12 11 37.0& 40.158 N   32.079 E    8                      14  TURKEY. <ISK>. MD 3.6 (ISK).
25  12 51 37.6& 40.824 N   27.378 E    5                      20  TURKEY. <ISK>. MD 3.2 (ISK).
25  13 38 18.6? 14.34  N   93.07  W   70 *  4.3        1.1    9  NEAR COAST OF CHIAPAS, MEXICO
25  14 02 37.3& 35.190 N    3.820 W   12                       22  STRAIT OF GIBRALTAR. <MDD>. mbLg 2.7 (MDD).
25  14 15 53.9* 45.700 S   75.737 W   33 N  4.7 4.3     1.1   15  OFF COAST OF SOUTHERN CHILE
25  14 23 12.9? 10.72  S  161.75  E   33 N  4.3        1.3    8  SOLOMON ISLANDS
25  14 33 41.9? 52.14  N  176.86  W  100 G  3.6        0.6    6  ANDREANOF ISLANDS, ALEUTIAN IS.
25  14 45 54.7& 41.561 N   27.965 E   10 G                    4  TURKEY. <ISK>. MD 2.8 (ISK).
25  15 01 56.8* 11.663 N  125.316 E  150 G                    1.0   11  SAMAR, PHILIPPINE ISLANDS
25  15 13 54.0*  7.700 N  123.912 E   33 N  4.0        1.1   10  MINDANAO, PHILIPPINE ISLANDS
25  15 52 30.5* 18.418 S  177.870 W  650 G  4.1        1.0   20  FIJI ISLANDS REGION
25  16 13 33.4? 13.03  S  112.53  W   10 G  4.0        0.9   12  CENTRAL EAST PACIFIC RISE
25  16 14 26.9& 41.092 N  121.928 W    1                       5  NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.2 (BRK), 2.8
                                                                   (GS).
25  16 16 32.8* 13.015 N  125.362 E   33 N                    0.6   10  PHILIPPINE ISLANDS REGION
25  16 24 20.3*  5.267 S  145.930 E   95 *  3.7        1.1   10  EASTERN NEW GUINEA REG., P.N.G.
25  16 38 23.8& 53.990 N  164.010 W    0    4.2              45  UNIMAK ISLAND REGION. <AEIC>. ML 4.1 (AEIC), 4.2 (PMR).
25  16 42 15.2& 41.091 N  121.926 W    0                      15  NORTHERN CALIFORNIA. <GM-P>. Mw 3.5 (BRK). MD 3.3 (GM). ML
                                                                   3.6 (BRK), 3.4 (GS).
                                                                  Moment Tensor (BRK): Dep 5; Principal axes (scale 10**14
                                                                   Nm): (T) Val=2.14, Plg=0, Azm=251; (N) Val=0.00, Plg=17,
                                                                   Azm=161; (P) Val=-2.14, Plg=73, Azm=342; Best double
                                                                   couple: Mo=2.1*10**14 Nm; NP1: Strike=145, Dip=48,
                                                                   Slip=-113; NP2: Strike=357, Dip=47, Slip=-67.
25  17 18 19.7* 10.769 N   86.339 W   33 N  4.7 4.1     1.1   49  OFF COAST OF COSTA RICA
25  17 44 53.0& 44.466 N    7.269 E    9                       4  NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
25  18 19 45.6* 12.409 N  125.157 E   33 N  4.4        1.1   16  SAMAR, PHILIPPINE ISLANDS
25  20 03 06.1& 38.671 N   25.279 E   14                       4  AEGEAN SEA. <ISK>. MD 3.1 (ISK).
25  20 22 22.0? 19.45  S  178.83  W  500 G  3.7        0.8   10  FIJI ISLANDS REGION
25  20 34 39.1? 56.08  S   27.19  W  100 G                    0.6    9  SOUTH SANDWICH ISLANDS REGION
25  22 16 27.6* 35.361 S  106.916 W   10 G  4.8 4.1     0.9   20  SOUTHERN EAST PACIFIC RISE
25  23 01 46.8? 32.88  S  178.58  W   33 N  4.5        1.1   15  SOUTH OF KERMADEC ISLANDS
25  23 06 59.9*  5.742 S  148.476 E  132 ?  4.7        1.0   31  NEW BRITAIN REGION, P.N.G.
25  23 49 50.5& 39.326 N  122.787 W    7                       8  NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.0 (GS).
25  23 54 16.5& 36.163 N   70.399 E  237 *                    0.4    8  HINDU KUSH REGION, AFGHANISTAN
26  00 52 31.1& 40.833 N   29.098 E   10 G                    4  TURKEY. <ISK>. MD 2.5 (ISK).
26  00 56 09.9& 30.930 S   71.604 W   53                      11  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
26  00 56 18.9& 37.620 N   30.591 E   11                       4  TURKEY. <ISK>. MD 2.9 (ISK).
26  00 57 21.8*  6.672 S  129.777 E  150 G  4.3        1.3   12  BANDA SEA
26  01 00 18.4? 46.04  N  129.20  W   10 G  2.6        0.3   14  OFF COAST OF WASHINGTON
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26  01 07 30.1  46.164 N  129.627 W   10 G  3.7 3.9  0.8   38  OFF COAST OF WASHINGTON
26  01 16 58.0* 14.302 N   92.491 W   50 G  4.4       1.4   19  NEAR COAST OF CHIAPAS, MEXICO. MD 4.6 (UNM).
26  02 16 04.2? 35.92  N  139.42  E   83 ?  4.1       1.2   11  NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) in northern
                                                                  Gumma Prefecture and (I JMA) in other parts of Gumma,
                                                                  southwestern Ibaraki, southwestern Tochigi and parts of
                                                                  Saitama and Tokyo Prefectures.
26  02 42 52.0& 31.482 S   69.810 W  167                        13  SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.5 (GUC).
26  04 23 28.3* 52.738 N  168.476 W   33 N  3.8       1.1   18  FOX ISLANDS, ALEUTIAN ISLANDS
26  04 29 06.3& 32.277 S   71.902 W   32                        11  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
26  04 32 27.6& 42.800 N    7.240 W    0                         4  SPAIN. <MDD>. mbLg 2.4 (MDD). Felt (III) at Becerrea.
26  04 32 31.8& 62.220 N  150.274 W   13                        35  CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.0 (PMR).
26  04 33 39.2& 42.800 N    7.240 W    0                         4  SPAIN. <MDD>. mbLg 2.3 (MDD). Felt (III) at Becerrea.
26  04 40 18.3   7.787 N  126.910 E   89 *  4.5       0.9   32  MINDANAO, PHILIPPINE ISLANDS
26  05 22 01.1* 52.486 N  168.544 W   33 N  3.6       1.0   15  FOX ISLANDS, ALEUTIAN ISLANDS
26  05 42 48.1& 32.037 S   69.901 W  145                        14  MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.6 (GUC).
26  06 00 53.6& 37.037 N  121.489 W    9                        10  CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK), 2.9
                                                                  (GS).
26  06 01 06.4* 52.523 N  168.423 W   33 N  4.7       0.9   19  FOX ISLANDS, ALEUTIAN ISLANDS
26  06 05 18.4& 60.162 N  153.416 W  148                        77  SOUTHERN ALASKA. <AEIC>.
26  06 47 58.5* 32.616 N  140.924 E   33 N                 1.0    6  SOUTH OF HONSHU, JAPAN
26  07 01 15.7? 37.65  N   71.93  E  150 G  3.2       0.9    7  AFGHANISTAN-TAJIKISTAN BORD REG.
26  07 40 26.0  52.227 N  168.322 W   33 N  5.0 4.5  1.0  106  FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.2 (HRV). ML 4.5 (PMR).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  07:40:26.4; Lat 51.90 N; Lon 168.92 W; Dep 31.4; Half-
                                                                  duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                  Val=5.91, Plg=58, Azm=356; (N) Val=2.62, Plg=2, Azm=263;
                                                                  (P) Val=-8.53, Plg=32, Azm=171; Best double couple:
                                                                  Mo=7.2*10**16 Nm; NP1: Strike=252, Dip=13, Slip=80; NP2:
                                                                  Strike=83, Dip=77, Slip=92.
26  07 58 12.2* 52.514 N  168.396 W   33 N  4.0       0.8   16  FOX ISLANDS, ALEUTIAN ISLANDS
26  08 08 04.5* 44.280 N  128.631 W   10 G  3.3       1.2   14  OFF COAST OF OREGON
26  09 53 46.3  44.318 N  140.139 E  246    4.1       0.9   31  EASTERN SEA OF JAPAN
26  10 30 48.8? 52.32  N  168.47  W   33 N             0.5    6  FOX ISLANDS, ALEUTIAN ISLANDS
26  10 46 16.5& 62.165 N  149.591 W   50                        75  CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.3 (PMR).
26  11 04 05.2*  8.120 S  114.913 E   33 N             1.3    5  BALI REGION, INDONESIA
26  11 14 25.8  23.137 S   66.612 W  199    4.9       1.1  104  JUJUY PROVINCE, ARGENTINA. Mw 5.3 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  11:14:35.0; Lat 23.02 S; Lon 66.44 W; Dep 232.1; Half-
                                                                  duration 1.0 sec; Principal axes (scale 10**17 Nm): (T)
                                                                  Val=1.07, Plg=19, Azm=71; (N) Val=-0.24, Plg=27, Azm=171;
                                                                  (P) Val=-0.84, Plg=56, Azm=310; Best double couple:
                                                                  Mo=9.5*10**16 Nm; NP1: Strike=125, Dip=35, Slip=-142; NP2:
                                                                  Strike=2, Dip=69, Slip=-61.
26  11 15 36.3  22.108 N  144.285 E   61 D  4.8       1.1   51  VOLCANO ISLANDS REGION
26  12 07 22.7& 63.278 N  151.767 W   31                        74  CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.7 (PMR).
26  12 37 40.8? 7.47   N   74.73  W   33 N  3.7       0.2    7  NORTHERN COLOMBIA
26  13 02 37.8* 36.068 S  100.968 W   10 G  5.1 4.8  1.2   42  SOUTHERN PACIFIC OCEAN. Mw 5.5 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  13:02:41.4; Lat 36.07 S; Lon 100.92 W; Dep 15.0 Fix; Half-
                                                                  duration 1.3 sec; Principal axes (scale 10**17 Nm): (T)
                                                                  Val=1.87, Plg=13, Azm=230; (N) Val=-0.25, Plg=77, Azm=36;
                                                                  (P) Val=-1.62, Plg=3, Azm=139; Best double couple:
                                                                  Mo=1.8*10**17 Nm; NP1: Strike=274, Dip=79, Slip=173; NP2:
                                                                  Strike=5, Dip=83, Slip=12.
26  13 13 07.7& 60.395 N  152.459 W  101                        54  SOUTHERN ALASKA. <AEIC>.
26  13 57 45.9*  8.220 S  114.937 E   29    3.7       1.4   10  BALI REGION, INDONESIA
26  14 04 10.0*  8.162 S  114.879 E   10 G             1.5    5  BALI REGION, INDONESIA
26  14 32 31.1? 10.56  S   13.04  W   10 G  4.4 4.3  1.3    9  ASCENSION ISLAND REGION
26  14 33 09.6& 39.792 N   28.728 E    7                         7  TURKEY. <ISK>. MD 2.6 (ISK).
26  14 46 54.8& 38.950 N   27.656 E   10 G                      5  TURKEY. <ISK>. MD 2.7 (ISK).
26  15 17 59.7? 46.33  N  129.67  W   10 G             0.8    5  OFF COAST OF WASHINGTON
26  15 46 08.2* 10.440 S   13.139 W   10 G  4.6 4.5  1.1   21  ASCENSION ISLAND REGION
26  16 29 10.3& 34.105 S   70.816 W   86                        13  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
26  17 25 18.7& 19.190 N   66.090 W   30                         6  PUERTO RICO REGION. <MPR>. MD 3.1 (MPR).
26  18 30 31.2  22.039 S  176.838 W  160 D  5.0       1.0  145  SOUTH OF FIJI ISLANDS. Mw 5.7 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  18:30:37.1; Lat 22.32 S; Lon 176.36 W; Dep 160.8; Half-
                                                                  duration 1.7 sec; Principal axes (scale 10**17 Nm): (T)
                                                                  Val=3.85, Plg=32, Azm=110; (N) Val=-0.44, Plg=7, Azm=16;
                                                                  (P) Val=-3.41, Plg=57, Azm=274; Best double couple:
                                                                  Mo=3.6*10**17 Nm; NP1: Strike=223, Dip=15, Slip=-61; NP2:
                                                                  Strike=14, Dip=77, Slip=-97.
26  18 30 40.2& 61.818 N  148.846 W   15                        60  SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
26  18 43 13.4& 60.142 N  153.428 W  152    3.0              117  SOUTHERN ALASKA. <AEIC>.
26  18 51 42.5? 6.98   S  148.20  E   33 N  3.9       0.9    5  NEW BRITAIN REGION, P.N.G.
26  19 27 10.2& 34.980 N  116.946 W    6                         6  SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
26  19 27 57.9  46.193 N  129.652 W   10 G  4.5       1.0   63  OFF COAST OF WASHINGTON
26  20 02 03.2? 5.61   S  152.43  E   33 N  4.2       1.0    6  NEW BRITAIN REGION, P.N.G.
26  20 17 55.3  7.641   S  123.934 E  269 *  4.8       1.1   46  BANDA SEA
26  21 21 38.2? 47.29  S   99.63  E   10 G  3.6       0.9    7  SOUTHEAST INDIAN RIDGE
26  21 58 31.2? 8.65   N  127.14  E   33 N  3.9       0.9    6  PHILIPPINE ISLANDS REGION
26  22 51 46.1& 59.962 N  153.133 W  112                        65  SOUTHERN ALASKA. <AEIC>.
26  23 06 01.7  47.514 S  165.185 E   33 N  5.2 5.3  1.2   60  OFF W. COAST OF S. ISLAND, N.Z. Mw 5.9 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  23:06:03.2; Lat 47.48 S; Lon 165.14 E; Dep 15.0 Fix; Half-
                                                                  duration 1.7 sec; Principal axes (scale 10**17 Nm): (T)
                                                                  Val=7.04, Plg=61, Azm=113; (N) Val=0.50, Plg=5, Azm=15; (P)
                                                                  Val=-7.54, Plg=28, Azm=282; Best double couple:
                                                                  Mo=7.3*10**17 Nm; NP1: Strike=0, Dip=17, Slip=75; NP2:
                                                                  Strike=196, Dip=73, Slip=95.
26  23 17 12.1& 42.366 N   16.297 E   10 G             1.1  102  ADRIATIC SEA. <ROM>. ML 4.4 (TRI), 4.3 (LDG), 3.7 (ROM).
26  23 25 12.1? 47.60  S  164.48  E   33 N  4.2       1.1    9  OFF W. COAST OF S. ISLAND, N.Z.
26  23 25 40.2  44.274 N  128.999 W   10 G  4.2       0.8  105  OFF COAST OF OREGON
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26	23	27	28.8&	34.624	N	116.672	W	4					27	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
26	23	57	30.5?	47.76	S	165.30	E	33	N	4.0		1.3	13	OFF W. COAST OF S. ISLAND, N.Z.
27	00	02	47.2&	11.077	N	62.351	W	21					4	WINDWARD ISLANDS. <TRN>. MD 2.9 (TRN).
27	00	03	29.6&	32.650	N	116.226	W	11					21	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.5 (PAS). MD 3.6 (ECX).
27	00	15	27.2*	19.153	N	121.414	E	33	N	4.1	4.0	0.7	13	PHILIPPINE ISLANDS REGION
27	01	14	52.2*	39.392	N	72.059	E	33	N	4.0		1.2	18	KYRGYZSTAN
27	01	30	19.0&	60.116	N	151.442	W	59					71	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
27	02	09	00.5?	3.97	S	126.94	E	33	N	4.4		1.3	11	BURU, INDONESIA
27	02	09	50.2*	39.586	N	76.693	E	33	N	3.9		1.3	11	SOUTHERN XINJIANG, CHINA
27	02	14	12.9	20.768	S	179.178	W	643	D	5.3		0.9	219	FIJI ISLANDS REGION. Mw 6.0 (HRV), 5.9 (GS). Moment Tensor (GS): Dep 638; Principal axes (scale 10**17 Nm): (T) Val=8.37, Plg=16, Azm=15; (N) Val=0.46, Plg=50, Azm=124; (P) Val=-8.83, Plg=35, Azm=273; Best double couple: Mo=8.6*10**17 Nm; NP1: Strike=60, Dip=53, Slip=-164; NP2: Strike=320, Dip=77, Slip=-38. Centroid, Moment Tensor (HRV): Centroid origin time 02:14:18.3; Lat 20.73 S; Lon 179.16 W; Dep 651.4; Half-duration 2.3 sec; Principal axes (scale 10**18 Nm): (T) Val=0.86, Plg=10, Azm=11; (N) Val=0.27, Plg=50, Azm=114; (P) Val=-1.13, Plg=38, Azm=273; Best double couple: Mo=9.9*10**17 Nm; NP1: Strike=59, Dip=56, Slip=-158; NP2: Strike=317, Dip=72, Slip=-36.
27	02	32	04.5*	18.920	N	108.745	W	10	G	4.0		1.3	21	REVILLA GIGEDO ISLANDS REGION
27	02	44	15.0*	14.968	S	166.721	E	33	N	4.5		1.2	42	VANUATU ISLANDS
27	03	06	43.6&	37.090	N	1.900	W	1					10	SPAIN. <MDD>. mbLg 2.7 (MDD).
27	03	17	39.6&	37.210	N	3.510	W	6					4	SPAIN. <MDD>. mbLg 1.3 (MDD).
27	04	11	06.4&	34.981	N	116.948	W	6					30	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
27	05	14	12.4&	47.500	N	6.000	E	2					11	FRANCE. <LDG>. ML 1.9 (LDG), 1.4 (STR).
27	05	27	53.7&	32.172	S	69.973	W	135					10	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.0 (GUC).
27	07	11	30.7&	10.580	N	61.625	W	1					4	TRINIDAD. <TRN>. MD 2.7 (TRN).
27	08	01	48.2	8.426	S	121.987	E	218	*	4.4		0.8	19	FLORES REGION, INDONESIA
27	08	36	14.6&	50.500	N	1.200	E	2					46	FRANCE. <LDG>. ML 3.8 (LDG), 3.6 (STR), 3.5 (DBN), 3.5 (UCC).
27	08	46	38.7*	22.892	S	66.028	W	258		4.4		1.0	15	JUJUY PROVINCE, ARGENTINA
27	09	13	56.5?	37.26	N	77.48	E	33	N	3.4		1.1	5	SOUTHERN XINJIANG, CHINA
27	09	19	07.4&	47.890	N	6.120	E	6	G				4	FRANCE. <STR>. ML 1.4 (STR).
27	09	28	53.3&	39.732	N	29.264	E	8					5	TURKEY. <ISK>. MD 2.5 (ISK).
27	09	41	47.5*	52.327	N	29.992	W	10	G	3.3		0.7	9	NORTHERN MID-ATLANTIC RIDGE
27	10	01	51.3&	39.637	N	29.502	E	10	G				5	TURKEY. <ISK>. MD 2.4 (ISK).
27	10	10	43.4&	31.894	S	70.032	W	140					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
27	12	38	53.3?	53.87	N	164.99	W	33	N			0.7	5	UNIMAK ISLAND REGION
27	13	14	19.5&	39.259	N	28.225	E	10	G				5	TURKEY. <ISK>. MD 2.6 (ISK).
27	13	21	06.9&	39.295	N	28.162	E	7					4	TURKEY. <ISK>. MD 2.6 (ISK).
27	13	52	53.8*	12.889	N	143.603	E	156	*	4.1		0.8	14	SOUTH OF MARIANA ISLANDS
27	14	11	10.8*	7.150	S	129.784	E	63	?	4.5		1.0	19	BANDA SEA
27	14	45	17.1&	39.275	N	28.177	E	5					7	TURKEY. <ISK>. MD 2.7 (ISK).
27	15	19	10.8	2.244	N	128.798	E	78	*	5.1	4.8	1.3	69	HALMAHERA, INDONESIA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:19:08.5; Lat 2.26 N; Lon 128.97 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.71, Plg=57, Azm=216; (N) Val=-0.28, Plg=15, Azm=329; (P) Val=-1.43, Plg=29, Azm=68; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=193, Dip=21, Slip=136; NP2: Strike=325, Dip=76, Slip=75.
27	15	35	31.9*	2.602	N	126.511	E	33	N	4.4		0.7	13	NORTHERN MOLUCCA SEA
27	15	41	43.7	2.197	N	128.768	E	86	?	4.7		1.0	31	HALMAHERA, INDONESIA
27	16	04	48.0&	39.338	N	28.164	E	10	G				6	TURKEY. <ISK>. MD 2.7 (ISK).
27	16	07	07.3&	31.125	S	71.715	W	45					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
27	16	12	55.7*	11.603	N	125.639	E	33	N	4.3		0.9	15	SAMAR, PHILIPPINE ISLANDS
27	16	19	53.2*	35.815	N	141.545	E	33	N	3.7		1.5	10	NEAR EAST COAST OF HONSHU, JAPAN
27	16	38	41.0?	1.66	N	127.38	E	33	N	4.0		1.4	8	HALMAHERA, INDONESIA
27	17	23	26.8*	2.376	N	129.362	E	33	N	4.6		1.0	11	HALMAHERA, INDONESIA
27	17	29	14.2?	2.29	N	128.63	E	33	N	4.2		0.9	11	HALMAHERA, INDONESIA
27	17	33	42.9*	51.152	N	15.935	E	5	G			1.3	10	POLAND. ML 3.7 (VIE), 3.5 (WAR).
27	17	43	26.4&	38.798	N	122.729	W	4					9	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK).
27	18	43	42.3?	36.83	N	20.95	E	33	N			1.0	5	CENTRAL MEDITERRANEAN SEA
27	19	07	58.6	55.075	N	164.681	E	49	D	5.6	5.1	0.9	402	KOMANDORSKY ISLANDS REGION. Mw 5.5 (GS), 5.5 (HRV). Moment Tensor (GS): Dep 6; Principal axes (scale 10**17 Nm): (T) Val=2.04, Plg=20, Azm=95; (N) Val=0.01, Plg=44, Azm=344; (P) Val=-2.04, Plg=39, Azm=203; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=231, Dip=46, Slip=-16; NP2: Strike=333, Dip=79, Slip=-135. Centroid, Moment Tensor (HRV): Centroid origin time 19:08:00.8; Lat 54.99 N; Lon 164.82 E; Dep 42.6 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.34, Plg=7, Azm=284; (N) Val=-0.77, Plg=77, Azm=44; (P) Val=-1.57, Plg=11, Azm=193; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=329, Dip=77, Slip=-177; NP2: Strike=238, Dip=87, Slip=-13.
27	19	18	21.9*	2.379	N	128.916	E	33	N			1.0	11	HALMAHERA, INDONESIA
27	19	55	01.2	22.542	S	179.048	E	611	D	5.6		0.9	371	SOUTH OF FIJI ISLANDS. Mw 6.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:55:06.9; Lat 22.53 S; Lon 179.29 E; Dep 616.9; Half-duration 3.5 sec; Principal axes (scale 10**18 Nm): (T) Val=3.98, Plg=7, Azm=222; (N) Val=-1.06, Plg=60, Azm=120; (P) Val=-2.92, Plg=29, Azm=316; Best double couple: Mo=3.5*10**18 Nm; NP1: Strike=355, Dip=65, Slip=-17; NP2: Strike=92, Dip=75, Slip=-154.
27	20	02	16.8	51.573	N	16.208	E	5	G			0.7	29	POLAND. ML 4.4 (GRF), 4.1 (VIE), 4.1 (FUR), 4.0 (STR), 3.9 (WAR).
27	20	26	58.2&	41.800	N	2.800	E	2					5	SPAIN. <LDG>. ML 2.2 (LDG).
27	21	03	19.1&	15.857	N	95.744	W	62		4.4			41	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.7 (UNM).
27	21	05	44.3	22.411	S	179.035	E	610	D	5.6		0.9	379	SOUTH OF FIJI ISLANDS. Mw 6.5 (GS), 6.5 (HRV). Me 5.9 (GS).

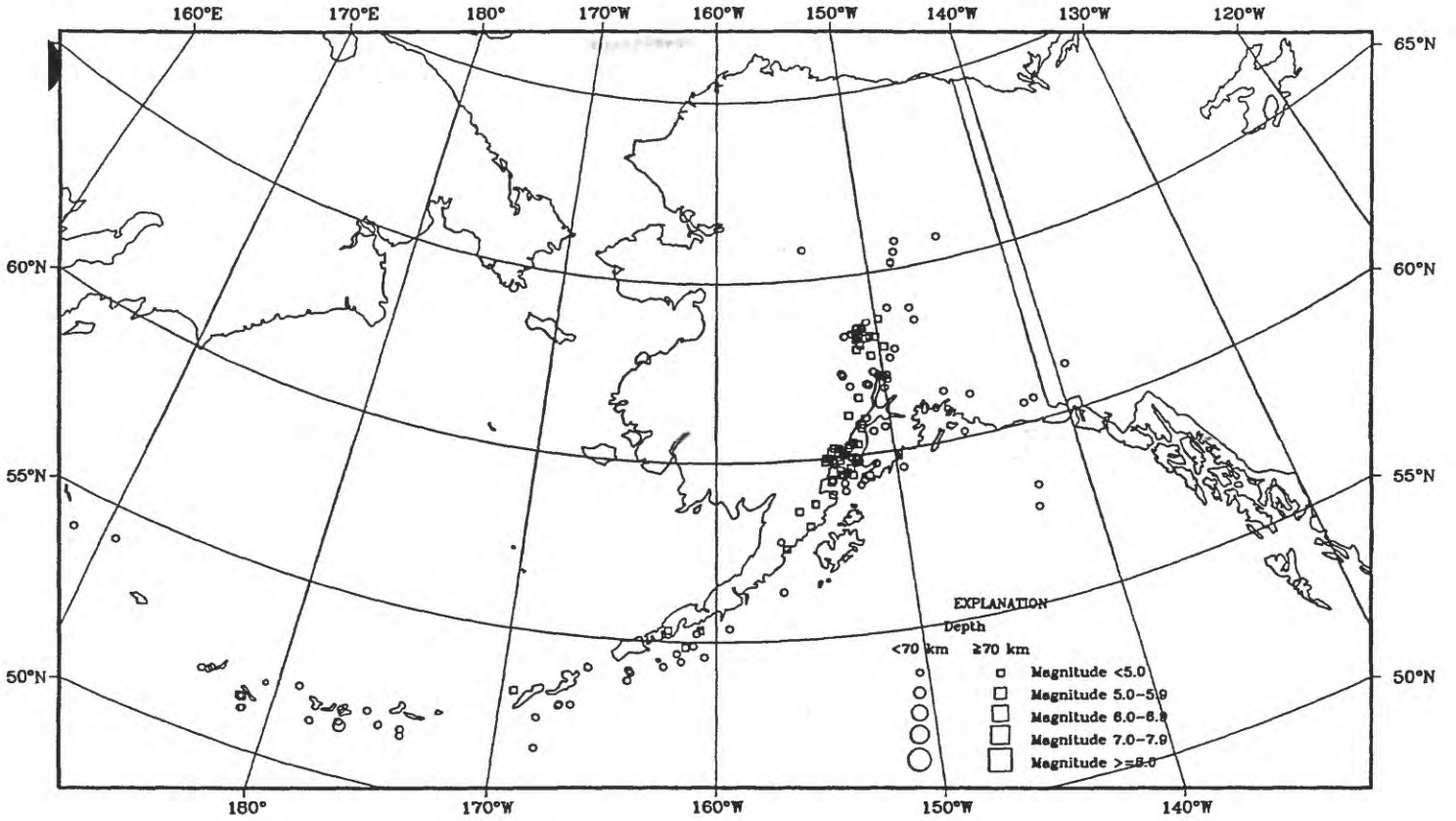
														Broadband Source Parameters (GS): Dep 595; NP1: Strike=300, Dip=55, Slip=-90; NP2: Strike=120, Dip=35, Slip=-90; Radiated energy 1.4*10**13 Nm. Moment Tensor (GS): Dep 608; Principal axes (scale 10**18 Nm): (T) Val=5.99, Plg=7, Azm=34; (N) Val=-0.93, Plg=11, Azm=302; (P) Val=-5.05, Plg=77, Azm=156; Best double couple: Mo=5.5*10**18 Nm; NP1: Strike=136, Dip=39, Slip=-72; NP2: Strike=294, Dip=53, Slip=-104. Centroid, Moment Tensor (HRV): Centroid origin time 21:05:51.0; Lat 22.39 S; Lon 179.29 E; Dep 629.4; Half-duration 4.1 sec; Principal axes (scale 10**18 Nm): (T) Val=6.15, Plg=7, Azm=27; (N) Val=-1.43, Plg=5, Azm=296; (P) Val=-4.72, Plg=82, Azm=169; Best double couple: Mo=5.4*10**18 Nm; NP1: Strike=122, Dip=39, Slip=-82; NP2: Strike=292, Dip=52, Slip=-96.
27	21	14	24.9*	11.646	N	125.518	E	33	N	5.1		1.1	26	SAMAR, PHILIPPINE ISLANDS
27	21	34	15.6	5.208	S	151.684	E	82	D	5.1		1.0	49	NEW BRITAIN REGION, P.N.G.
27	21	48	15.2&	39.266	N	28.234	E	5					10	TURKEY. <ISK>. MD 3.1 (ISK).
27	21	58	09.1&	37.180	N	3.640	W	0	G				8	SPAIN. <MDD>. mbLg 1.9 (MDD).
27	22	00	59.1&	39.281	N	28.139	E	8					8	TURKEY. <ISK>. MD 2.7 (ISK).
27	22	28	34.6&	46.200	N	7.000	E	2					38	SWITZERLAND. <LDG>. ML 2.7 (LDG), 2.6 (STR), 2.3 (FBB).
27	22	32	31.0	9.491	S	113.684	E	64		4.2		1.0	27	SOUTH OF JAWA, INDONESIA
27	22	49	41.5&	45.500	N	7.000	E	2					5	NORTHERN ITALY. <LDG>. ML 1.6 (LDG).
27	23	18	21.8&	39.290	N	28.137	E	9					8	TURKEY. <ISK>. MD 2.8 (ISK).
27	23	35	41.3&	10.067	N	78.837	W	11					7	NORTH OF PANAMA. <UPA>. MD 3.5 (UPA).
27	23	40	30.3	46.192	N	129.712	W	10	G	4.7		0.7	81	OFF COAST OF WASHINGTON
27	23	46	11.6?	47.75	S	165.11	E	33	N	4.2		1.3	9	OFF W. COAST OF S. ISLAND, N.Z.
28	00	23	15.8*	46.786	N	145.084	E	400	G	3.9		1.4	13	SEA OF OKHOTSK
28	00	45	59.9*	34.166	N	141.605	E	33	N	3.6		1.2	12	OFF EAST COAST OF HONSHU, JAPAN
28	00	55	40.3?	31.29	S	178.68	W	33	N	4.4		0.8	8	KERMADEC ISLANDS REGION
28	01	00	15.1&	59.047	N	135.955	W	10	G				6	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.6 (PGC).
28	02	24	29.0*	4.649	N	32.637	W	10	G	4.0		1.1	9	CENTRAL MID-ATLANTIC RIDGE
28	03	29	44.4&	19.410	N	155.303	W	4					27	HAWAII. <HVO-P>. MD 3.9 (HVO). Felt at Hawaiian Volcano Observatory, Kilauea Military Camp and Namakani Paio Campground.
28	03	56	06.8&	16.788	N	99.895	W	28					16	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
28	04	33	18.2&	39.085	N	29.101	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
28	04	37	46.2&	33.362	S	68.856	W	8					17	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 4.1 (GUC).
28	04	41	57.0&	30.601	S	71.853	W	51					16	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
28	05	09	45.1&	33.513	S	71.690	W	45					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
28	06	01	43.0&	19.418	N	155.315	W	4					34	HAWAII. <HVO-P>. MD 4.4 (HVO). Felt at Hilo, Namakani Paio Campground, Ocean View Estates, Pahala and Volcano.
28	06	06	44.1?	15.90	S	174.50	W	149	D	4.0		1.0	14	TONGA ISLANDS
28	06	14	54.0&	33.701	S	70.854	W	73					14	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
28	07	56	49.9&	36.453	N	26.705	E	14		3.9			9	DODECANESE ISLANDS. <ISK>. MD 3.5 (ISK).
28	08	40	12.0&	39.164	N	28.360	E	10	G				6	TURKEY. <ISK>. MD 2.7 (ISK).
28	08	45	04.8*	32.682	S	138.687	E	10	G			1.7	6	NEAR SOUTH COAST OF AUSTRALIA
28	09	15	27.8&	43.700	N	7.600	E	2					5	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.2 (LDG).
28	10	09	23.1&	7.562	N	79.344	W	21					5	SOUTH OF PANAMA. <UPA>. MD 3.2 (UPA).
28	10	33	04.4&	45.800	N	5.400	E	2					4	FRANCE. <LDG>. ML 2.1 (LDG).
28	10	47	23.7	51.491	N	177.758	W	42	D	4.8		1.3	53	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR). Felt (III) on Adak.
28	11	39	34.4&	53.890	N	164.168	W	10	G				17	UNIMAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
28	12	34	32.2&	39.291	N	28.113	E	7					9	TURKEY. <ISK>. MD 2.9 (ISK).
28	13	08	38.1&	39.291	N	28.170	E	5					9	TURKEY. <ISK>. MD 2.8 (ISK).
28	13	23	49.5*	3.487	N	124.487	E	300	G	4.3		1.0	14	CELEBES SEA
28	13	40	59.0?	47.56	S	165.26	E	10	G	3.8		1.3	13	OFF W. COAST OF S. ISLAND, N.Z.
28	14	22	47.1&	58.776	N	154.443	W	0					31	ALASKA PENINSULA. <AEIC>. ML 2.6 (AEIC).
28	15	18	44.1	49.451	N	6.930	E	10	G			0.4	6	GERMANY. ML 1.8 (UCC).
28	16	17	43.5*	3.902	N	126.554	E	100	G	4.8		1.1	18	TALAUD ISLANDS, INDONESIA
28	16	41	45.8&	39.298	N	28.050	E	11					7	TURKEY. <ISK>. MD 2.7 (ISK).
28	16	53	41.1&	44.800	N	6.600	E	2					5	FRANCE. <LDG>. ML 1.9 (LDG).
28	17	09	45.3*	22.437	S	179.083	E	600	G	4.8		0.9	32	SOUTH OF FIJI ISLANDS
28	17	20	57.6&	30.684	S	71.840	W	53					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
28	18	39	47.4&	46.800	N	6.700	E	12					13	SWITZERLAND. <LDG>. ML 2.3 (LDG).
28	18	43	48.3	47.420	N	11.335	E	10	G			1.2	18	AUSTRIA. ML 2.6 (VIE), 2.5 (LDG).
28	19	19	47.6	35.747	S	70.865	W	33	N	4.8		1.1	58	CHILE-ARGENTINA BORDER REGION. MD 4.7 (GUC). Felt (VI) at Colbun; (III) at Chillan, Curico, Linares, San Carlos and Talca; (II) at Cauquenes, Chile. Landslides occurred in the epicentral area.
28	20	38	47.1&	16.871	N	100.098	W	17					17	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
28	21	03	00.5&	16.025	N	97.969	W	6					9	OAXACA, MEXICO. <UNM>. MD 4.2 (UNM).
28	21	06	22.9	42.916	N	12.898	E	10	G			0.9	22	CENTRAL ITALY. ML 3.0 (LDG).
28	22	01	38.4&	58.857	N	137.600	W	10	G				61	SOUTHEASTERN ALASKA. <PGC-P>. ML 4.4 (PGC), 4.2 (PMR), 4.0 (AEIC).
28	22	05	12.0&	36.100	N	89.760	W	11					13	NEW MADRID, MISSOURI REGION. <TEIC>. mbLg 2.7 (GS).
28	22	14	20.1&	39.368	N	27.830	E	12					6	TURKEY. <ISK>. MD 2.7 (ISK).
28	22	38	52.3	34.433	N	32.120	E	10	G	4.4		1.0	91	CYPRUS REGION. ML 4.5 (GII). Felt (III) at Limassol.
28	23	29	39.4	12.070	N	143.682	E	25	*	5.2	4.9	1.1	87	SOUTH OF MARIANA ISLANDS. Mw 5.2 (HRV). Felt (III) by people in high-rise buildings at Agana, Guam. Centroid, Moment Tensor (HRV): Centroid origin time 23:29:43.0; Lat 11.71 N; Lon 143.73 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.13, Plg=82, Azm=324; (N) Val=2.32, Plg=3, Azm=72; (P) Val=-8.45, Plg=8, Azm=163; Best double couple: Mo=7.3*10**16 Nm; NP1: Strike=256, Dip=37, Slip=94; NP2: Strike=70, Dip=53, Slip=87.
28	23	52	26.1*	29.048	S	178.677	W	271	?	4.7		0.9	41	KERMADEC ISLANDS, NEW ZEALAND
28	23	54	59.1*	36.390	N	69.384	E	100	G	4.0		1.4	10	HINDU KUSH REGION, AFGHANISTAN
29	00	25	00.5	12.001	N	143.618	E	33	N	5.1	5.0	1.3	85	SOUTH OF MARIANA ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:25:03.8; Lat 11.89 N; Lon 143.90 E; Dep 15.0 Bdy; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)

Val=1.17, Plg=78, Azm=330; (N) Val=0.27, Plg=3, Azm=73; (P) Val=-1.44, Plg=12, Azm=164; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=258, Dip=33, Slip=95; NP2: Strike=72, Dip=57, Slip=87.

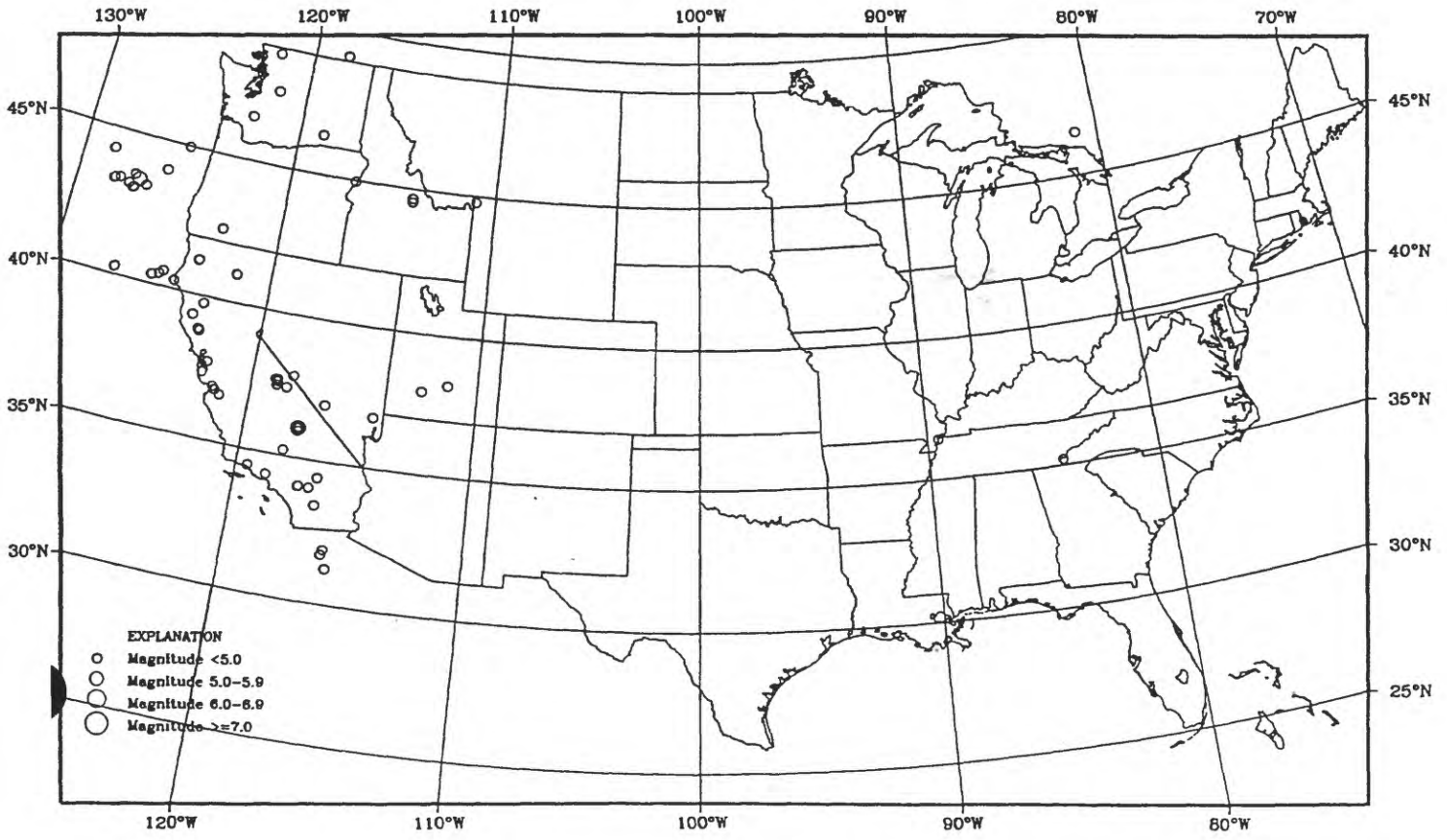
29	00	45	40.9	46.181	N	129.376	W	10	G		1.3	18	OFF COAST OF WASHINGTON
29	00	54	19.1*	18.439	S	71.248	W	49	*	4.0	1.4	13	OFF COAST OF NORTHERN CHILE
29	02	00	49.1	30.331	N	138.558	E	444	*	4.1	0.8	28	SOUTH OF HONSHU, JAPAN
29	02	14	52.0	6.831	S	154.977	E	45	D	4.8	0.9	71	SOLOMON ISLANDS
29	03	13	39.7	15.608	S	72.098	W	134	D	5.0	0.9	93	SOUTHERN PERU. Mw 5.4 (HRV). Felt (II) at Arequipa. Centroid, Moment Tensor (HRV): Centroid origin time 03:13:46.8; Lat 15.45 S; Lon 72.31 W; Dep 148.7; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.38, Plg=19, Azm=236; (N) Val=0.26, Plg=11, Azm=330; (P) Val=-1.63, Plg=68, Azm=89; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=307, Dip=28, Slip=-115; NP2: Strike=155, Dip=65, Slip=-77.
29	03	38	47.3	30.775	S	71.390	W	49	D	4.5	1.1	44	NEAR COAST OF CENTRAL CHILE. MD 4.6 (GUC). Felt (III) at Combarbala, Illapel, Ovalle and Petorca; (II) at Coquimbo, La Ligua and La Serena.
29	04	01	25.5&	18.970	N	66.780	W	28				5	PUERTO RICO REGION. <MPR>. MD 2.8 (MPR).
29	04	15	46.6&	18.930	N	66.740	W	26				7	PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
29	04	54	44.4*	20.552	S	67.628	W	185	*	4.1	1.0	19	SOUTHERN BOLIVIA
29	04	57	11.2?	4.54	S	144.85	E	33	N		1.1	5	NEAR N COAST OF NEW GUINEA, PNG.
29	05	16	36.6*	22.836	S	66.153	W	253		4.3	0.9	18	JUJUY PROVINCE, ARGENTINA
29	05	28	59.2&	9.153	N	78.548	W	70				7	PANAMA. <UPA>. MD 3.4 (UPA).
29	06	49	07.0*	50.956	N	15.887	E	10	G		1.0	7	CZECH AND SLOVAK REPUBLICS. ML 3.2 (VIE), 2.8 (WAR).
29	07	00	03.2*	52.604	N	168.374	W	33	N	4.6	1.0	29	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.2 (PMR).
29	07	23	44.2&	35.496	S	71.692	W	75				12	CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
29	07	26	04.2	45.854	N	14.726	E	10	G		0.3	6	NORTHWESTERN BALKAN REGION. ML 1.8 (LJU). Felt (IV) at Krka, Slovenia.
29	07	44	51.5*	41.015	N	140.036	E	167	*		1.1	17	HOKKAIDO, JAPAN REGION
29	07	59	41.8&	20.368	N	100.109	W	5	G			10	CENTRAL MEXICO. <UNM>. MD 3.7 (UNM).
29	07	59	54.1&	37.647	N	118.929	W	8				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
29	08	01	07.6*	17.544	N	120.623	E	100	G	3.9	0.9	12	LUZON, PHILIPPINE ISLANDS
29	08	32	13.5*	55.822	N	153.994	W	33	N		0.6	9	SOUTH OF ALASKA
29	08	37	50.9&	55.482	N	154.146	W	10	G	4.3		91	SOUTH OF ALASKA. <AEIC>. ML 4.3 (AEIC), 4.3 (PMR).
29	08	43	35.4*	40.191	N	123.225	E	10	G	3.6	1.4	7	NORTHEASTERN CHINA
29	09	18	48.0&	44.447	N	7.273	E	10				18	NORTHERN ITALY. <GEN>. ML 2.3 (GEN), 2.0 (LDG).
29	09	26	50.5*	51.282	N	16.340	E	5	G		0.9	5	POLAND. ML 3.1 (WAR), 2.9 (VIE).
29	09	31	48.3*	2.197	N	128.639	E	33	N	4.7	1.3	17	HALMAHERA, INDONESIA
29	09	36	14.9&	44.337	N	7.296	E	11				15	NORTHERN ITALY. <GEN>. ML 2.1 (GEN), 2.0 (LDG).
29	10	15	44.7	2.292	N	128.927	E	33	N	4.6	1.2	32	HALMAHERA, INDONESIA
29	10	27	23.5&	37.503	N	29.921	E	7				10	TURKEY. <ISK>. MD 3.4 (ISK).
29	10	46	24.1?	9.55	N	85.99	W	33	N	3.3	1.4	7	OFF COAST OF COSTA RICA
29	10	46	52.0*	7.109	S	129.717	E	101	*	4.1	1.5	22	BANDA SEA
29	10	47	58.0&	44.300	N	7.500	E	2				5	NORTHERN ITALY. <LDG>. ML 1.8 (LDG).
29	10	58	36.6&	44.127	N	7.141	E	9				7	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
29	10	58	41.2*	32.875	N	76.014	E	90	D	3.3	0.9	8	KASHMIR-INDIA BORDER REGION
29	11	14	02.2?	52.16	N	173.34	W	33	N		1.1	5	ANDREANOF ISLANDS, ALEUTIAN IS.
29	11	33	35.0	30.747	S	71.503	W	46	D	4.2	0.8	33	NEAR COAST OF CENTRAL CHILE. MD 4.6 (GUC).
29	12	05	49.9?	6.77	S	155.16	E	33	N	3.8	0.7	5	SOLOMON ISLANDS
29	12	37	31.9&	39.821	N	26.858	E	5				9	TURKEY. <ISK>. MD 2.9 (ISK).
29	12	55	36.7*	0.391	N	126.110	E	33	N	4.6	0.9	12	NORTHERN MOLUCCA SEA
29	13	08	46.6?	36.25	N	21.60	E	33	N	3.5	1.1	12	SOUTHERN GREECE
29	13	54	31.0*	43.609	N	17.499	E	10	G		1.3	9	NORTHWESTERN BALKAN REGION
29	14	44	18.4&	35.880	N	2.580	W	5				8	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.7 (MDD).
29	14	47	40.6	9.119	N	126.438	E	33	N	4.4	0.7	20	MINDANAO, PHILIPPINE ISLANDS
29	14	58	19.9&	38.312	N	27.139	E	11				6	TURKEY. <ISK>. MD 3.0 (ISK).
29	15	05	24.4*	6.759	N	127.284	E	33	N	3.8	1.3	10	PHILIPPINE ISLANDS REGION
29	15	14	38.5?	17.19	S	178.49	W	400	G	3.9	0.9	9	FIJI ISLANDS REGION
29	15	23	58.3	37.539	N	20.564	E	33	N	4.3	1.3	33	IONIAN SEA
29	16	22	19.0*	26.783	N	130.226	E	33	N	4.1	1.2	12	SOUTHEAST OF RYUKYU ISLANDS
29	17	05	30.3&	33.373	S	70.266	W	112				14	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
29	17	17	44.7	54.034	N	161.095	E	43	D	4.1	0.9	19	NEAR EAST COAST OF KAMCHATKA
29	17	24	02.4	83.817	N	1.794	W	10	G	4.4 4.0	1.0	38	NORTH OF SVALBARD
29	17	26	49.0&	36.960	N	3.870	W	0	G			13	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.5 (MDD).
29	18	02	41.2*	8.610	S	75.732	W	33	N	3.4	0.6	5	CENTRAL PERU
29	18	07	12.2&	37.700	N	6.770	W	5				12	SPAIN. <MDD>. mbLg 2.3 (MDD).
29	20	01	23.3&	9.136	N	79.274	W	9				4	PANAMA. <UPA>. MD 2.7 (UPA).
29	20	14	54.9	17.785	S	178.356	W	600	G	4.6	1.0	54	FIJI ISLANDS REGION
29	20	19	52.5&	35.342	N	118.526	W	6				27	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
29	20	22	56.0?	15.77	S	173.62	W	33	N	4.5	0.9	15	TONGA ISLANDS
29	21	06	33.1&	60.058	N	152.943	W	105				87	SOUTHERN ALASKA. <AEIC>.
29	21	34	39.0&	32.649	S	71.511	W	25				15	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
29	22	05	45.8&	37.134	N	71.704	E	133	D		1.0	10	AFGHANISTAN-TAJIKISTAN BORD REG.
29	22	40	00.0*	33.706	N	88.430	E	33	N	3.6	0.8	9	XIZANG
29	22	47	21.2*	55.360	N	160.787	E	172	D	4.0	0.8	14	KAMCHATKA
29	23	11	57.2&	44.600	N	6.700	E	2				14	FRANCE. <LDG>. ML 1.6 (LDG).
29	23	30	05.1?	51.37	N	16.15	E	5	G		1.1	5	POLAND. ML 2.9 (VIE).
29	23	49	25.5*	5.691	S	148.699	E	200	G	4.1	1.2	12	NEW BRITAIN REGION, P.N.G.
29	23	54	22.6	45.999	N	14.479	E	10	G		0.6	9	NORTHWESTERN BALKAN REGION. ML 2.3 (VIE), 1.7 (LJU). Felt (IV) at Ljubljana, Slovenia.
30	00	14	27.3?	8.22	S	113.39	E	135	*	3.6	1.3	12	JAWA, INDONESIA
30	01	03	27.9	45.990	N	14.440	E	10	G		0.8	7	NORTHWESTERN BALKAN REGION. ML 2.2 (VIE), 1.7 (LJU). Felt (IV) at Ljubljana, Slovenia.
30	01	06	56.8&	32.640	S	71.486	W	22				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
30	02	16	58.4?	50.07	N	155.09	E	33	N	3.9	1.2	8	KURIL ISLANDS
30	03	05	12.6&	32.689	S	71.467	W	17				15	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
30	03	06	45.9&	6.597	N	77.106	W	0				5	NEAR WEST COAST OF COLOMBIA. <UPA>. MD 4.0 (UPA).
30	03	16	30.5&	32.656	S	71.515	W	23				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
30	04	35	19.0?	55.03	S	130.68	W	10	G	4.5	0.9	7	PACIFIC-ANTARCTIC RIDGE
30	05	03	25.9&	43.270	N	3.460	W	11				11	SPAIN. <MDD>. mbLg 2.3 (MDD).
30	05	53	19.9?	21.13	S	179.18	W	600	G	4.1	1.0	13	FIJI ISLANDS REGION

30	05	57	12.8*	2.234	N	128.824	E	33	N	4.8	0.9	14	HALMAHERA, INDONESIA
30	06	12	21.2*	37.300	N	20.825	E	33	N	4.1	1.0	16	IONIAN SEA
30	06	53	57.7&	32.629	S	71.499	W	25				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
30	06	54	45.6*	2.194	N	128.563	E	33	N	4.5	1.1	9	HALMAHERA, INDONESIA
30	07	35	26.7	5.227	S	153.648	E	53	D	4.7 4.5	0.9	44	NEW IRELAND REGION, P.N.G.
30	07	41	21.7&	5.784	N	80.326	W	1				4	SOUTH OF PANAMA. <UPA>. MD 3.8 (UPA).
30	07	57	34.4	53.826	N	160.777	E	66	*	4.4	0.9	32	NEAR EAST COAST OF KAMCHATKA
30	08	10	16.3&	35.630	N	3.400	W	6				19	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.5 (MDD).
30	08	18	53.2?	49.63	N	158.20	E	33	N	3.5	0.5	6	EAST OF KURIL ISLANDS
30	08	29	55.6&	60.137	N	150.837	W	34				63	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
30	08	49	54.1	21.687	N	145.471	E	37	D	5.3 5.3	1.0	122	MARIANA ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:49:58.8; Lat 22.12 N; Lon 145.50 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.30, Plg=58, Azm=325; (N) Val=-0.09, Plg=22, Azm=193; (P) Val=-2.21, Plg=21, Azm=94; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=150, Dip=31, Slip=42; NP2: Strike=22, Dip=70, Slip=114.
30	08	53	09.4&	43.180	N	3.450	W	23				8	SPAIN. <MDD>. mbLg 2.5 (MDD).
30	09	03	58.5&	58.086	N	154.514	W	88		4.7		121	ALASKA PENINSULA. <AEIC>.
30	09	06	28.8&	8.614	N	82.961	W	16				4	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.9 (UPA).
30	09	07	09.5?	6.79	S	154.64	E	33	N	4.3	0.7	7	SOLOMON ISLANDS
30	09	41	04.8	11.935	N	143.772	E	33	N	4.1	1.1	25	SOUTH OF MARIANA ISLANDS
30	09	50	28.1*	16.228	N	93.899	W	90	*	4.1	1.1	33	CHIAPAS, MEXICO. MD 4.5 (UNM).
30	10	03	40.4&	7.057	N	82.439	W	31		4.0		23	SOUTH OF PANAMA. <UPA>. MD 4.5 (UPA).
30	10	36	18.6?	39.68	N	76.57	E	33	N	3.9	1.4	7	SOUTHERN XINJIANG, CHINA
30	11	20	08.8*	13.630	S	167.059	E	200	G	4.2	1.0	44	VANUATU ISLANDS
30	11	22	46.7?	17.79	S	178.66	W	600	G	3.9	0.7	12	FIJI ISLANDS REGION
30	11	23	06.9*	14.807	N	63.789	E	10	G	4.1	1.2	20	ARABIAN SEA
30	11	25	31.3&	34.304	N	118.476	W	5				31	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.0 (GS).
30	11	25	45.9&	35.920	N	2.720	W	0				17	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.5 (MDD).
30	11	32	51.9*	30.131	N	139.657	E	300	G		0.9	9	SOUTH OF HONSHU, JAPAN
30	12	16	08.6*	23.913	S	70.207	W	42	G	6.3 6.5	1.1	385	NEAR COAST OF NORTHERN CHILE. Mw 7.1 (HRV), 7.0 (GS). Me 6.6 (GS). Ms 6.3 (BRK). One person suffered a heart attack at Antofagasta. Minor damage to older buildings (VII) at Antofagasta. Felt (VII) at Calama and Collahuasi; (VI) at Maria Elena, Taltal and Tocopilla; (V) at Copiapo, Chanaral and San Pedro de Atacama; (IV) at Iquique; (III) at Caldera; (II) at La Serena. Broadband Source Parameters (GS): Dep 42; NP1: Strike=30, Dip=30, Slip=120; NP2: Strike=176, Dip=64, Slip=74; Radiated energy 1.7*10**14 Nm. Moment Tensor (GS): Dep 55; Principal axes (scale 10**19 Nm): (T) Val=3.54, Plg=65, Azm=64; (N) Val=0.02, Plg=13, Azm=184; (P) Val=-3.56, Plg=21, Azm=279; Best double couple: Mo=3.5*10**19 Nm; NP1: Strike=32, Dip=26, Slip=121; NP2: Strike=178, Dip=68, Slip=76. Centroid, Moment Tensor (HRV): Centroid origin time 12:16:20.4; Lat 24.02 S; Lon 70.62 W; Dep 41.0 Bdy; Half-duration 8.4 sec; Principal axes (scale 10**19 Nm): (T) Val=4.29, Plg=61, Azm=76; (N) Val=0.27, Plg=4, Azm=174: (P) Val=-4.57, Plg=28, Azm=266; Best double couple: Mo=4.4*10**19 Nm; NP1: Strike=8, Dip=17, Slip=105; NP2: Strike=172, Dip=74, Slip=86. Scalar Moment (PPT): Mo=4.2*10**19 Nm.
30	15	32	45.2&	40.340	N	27.031	E	10	G			9	TURKEY. <ISK>. MD 2.9 (ISK).
30	15	42	36.6&	65.536	N	143.963	W	10	G			59	NORTHERN ALASKA. <AEIC>. ML 4.3 (AEIC), 4.5 (PMR). Felt at Fairbanks.
30	15	45	58.3?	35.53	S	108.20	W	10	G	4.3	0.9	6	SOUTHERN EAST PACIFIC RISE
30	15	50	13.9	41.464	N	142.022	E	33	N	5.6 5.1	0.9	321	HOKKAIDO, JAPAN REGION. Mw 5.8 (HRV). Felt (III JMA) in southern Hokkaido. Also felt (III JMA) in eastern Aomori, (II JMA) in northern Iwate and (I JMA) in southern Iwate and northern Miyagi Prefectures, Honshu. Centroid, Moment Tensor (HRV): Centroid origin time 15:50:22.8; Lat 41.82 N; Lon 142.21 E; Dep 81.1; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=6.95, Plg=70, Azm=351; (N) Val=-1.62, Plg=3, Azm=90; (P) Val=-5.33, Plg=19, Azm=181; Best double couple: Mo=6.1*10**17 Nm; NP1: Strike=276, Dip=26, Slip=97; NP2: Strike=88, Dip=64, Slip=87.
30	16	03	55.8&	35.118	S	71.159	W	105				13	CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
30	17	01	15.1	45.625	N	150.120	E	111	D	4.7	0.8	126	KURIL ISLANDS
30	17	06	30.7&	43.800	N	7.900	E	2				7	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 1.9 (LDG).
30	17	18	00.1	49.427	N	6.963	E	10	G		0.7	7	GERMANY. ML 1.8 (UCC).
30	17	28	43.0&	40.347	N	124.843	W	9				12	NEAR COAST OF NORTHERN CALIF. <GM-P>. Mw 3.9 (BRK). ML 3.7 (GM), 3.7 (BRK). Moment Tensor (BRK): Dep 11; Principal axes (scale 10**14 Nm): (T) Val=8.13, Plg=28, Azm=54; (N) Val=0.00, Plg=47, Azm=290; (P) Val=-8.13, Plg=30, Azm=162; Best double couple: Mo=8.1*10**14 Nm; NP1: Strike=288, Dip=89, Slip=-137; NP2: Strike=197, Dip=47, Slip=-2.
30	18	10	07.7&	30.953	S	71.756	W	31				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
30	18	50	00.3	32.120	S	71.296	W	82		4.9	0.8	61	NEAR COAST OF CENTRAL CHILE. Felt (V) at Illapel; (IV) at Los Andes, Papudo and San Felipe; (III) at Canela, La Ligua, Pichidangui, Quillota, Salamanca and Valparaiso; (II) at Santiago.
30	19	39	08.7&	44.377	N	7.291	E	14				6	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
30	19	44	39.4*	37.031	N	50.620	E	33	N	3.9	1.5	15	CASPIAN SEA
30	21	17	40.6?	19.10	N	146.63	E	100	G	3.5	1.1	7	MARIANA ISLANDS REGION
30	21	45	11.9*	19.884	S	169.391	E	33	N	4.1	1.3	25	VANUATU ISLANDS
30	21	53	15.2	37.968	N	112.547	W	5	G	4.0	0.8	44	UTAH. ML 4.0 (GS). Felt at Panguitch.
30	22	18	26.1*	28.680	N	139.548	E	500	G	3.3	0.8	9	BONIN ISLANDS REGION
30	23	01	42.1*	20.320	S	178.623	W	600	G	3.7	1.0	19	FIJI ISLANDS REGION

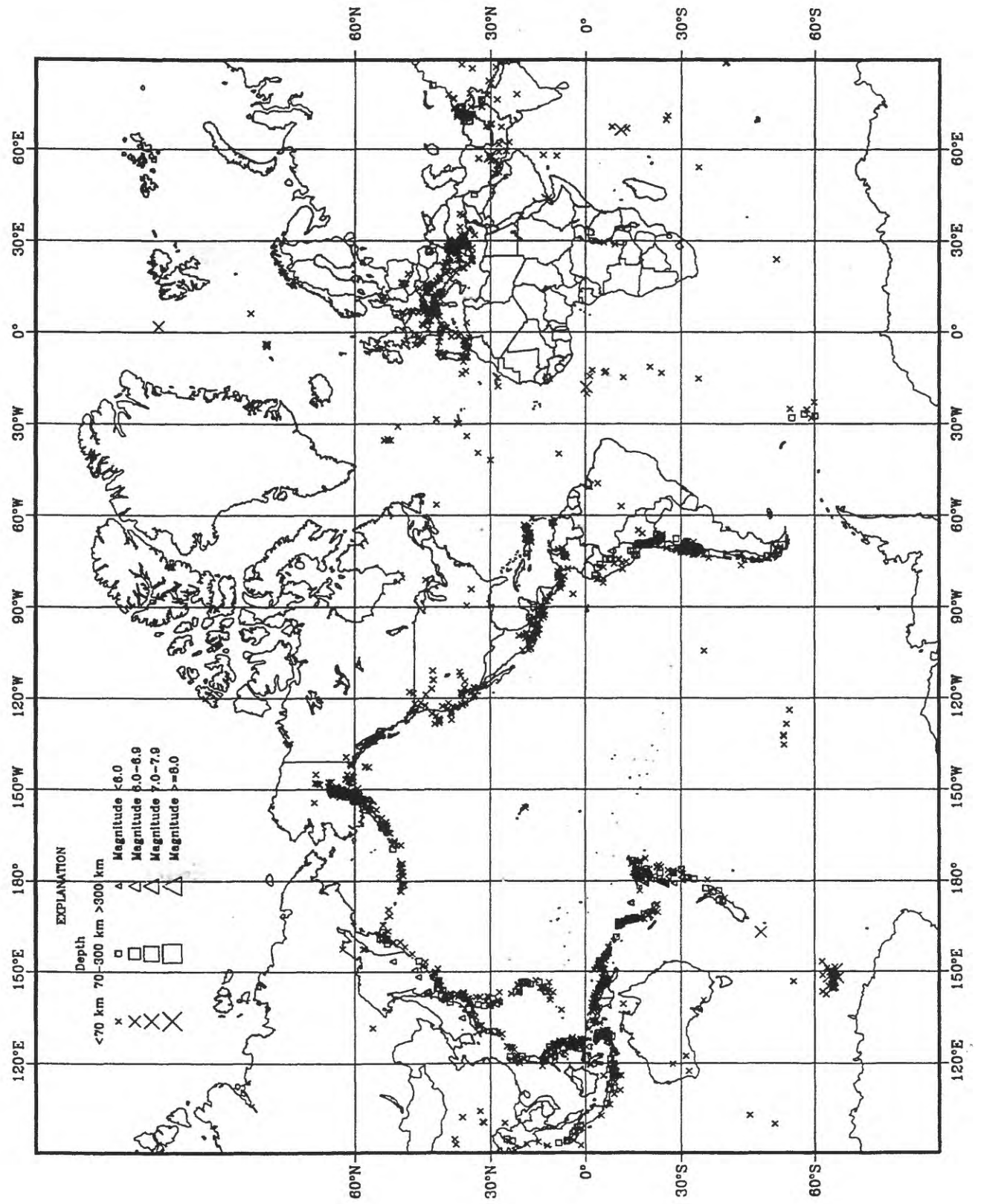
Earthquake epicenters in Alaska and adjacent regions for March 1998



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



Earthquakes located worldwide in March 1998

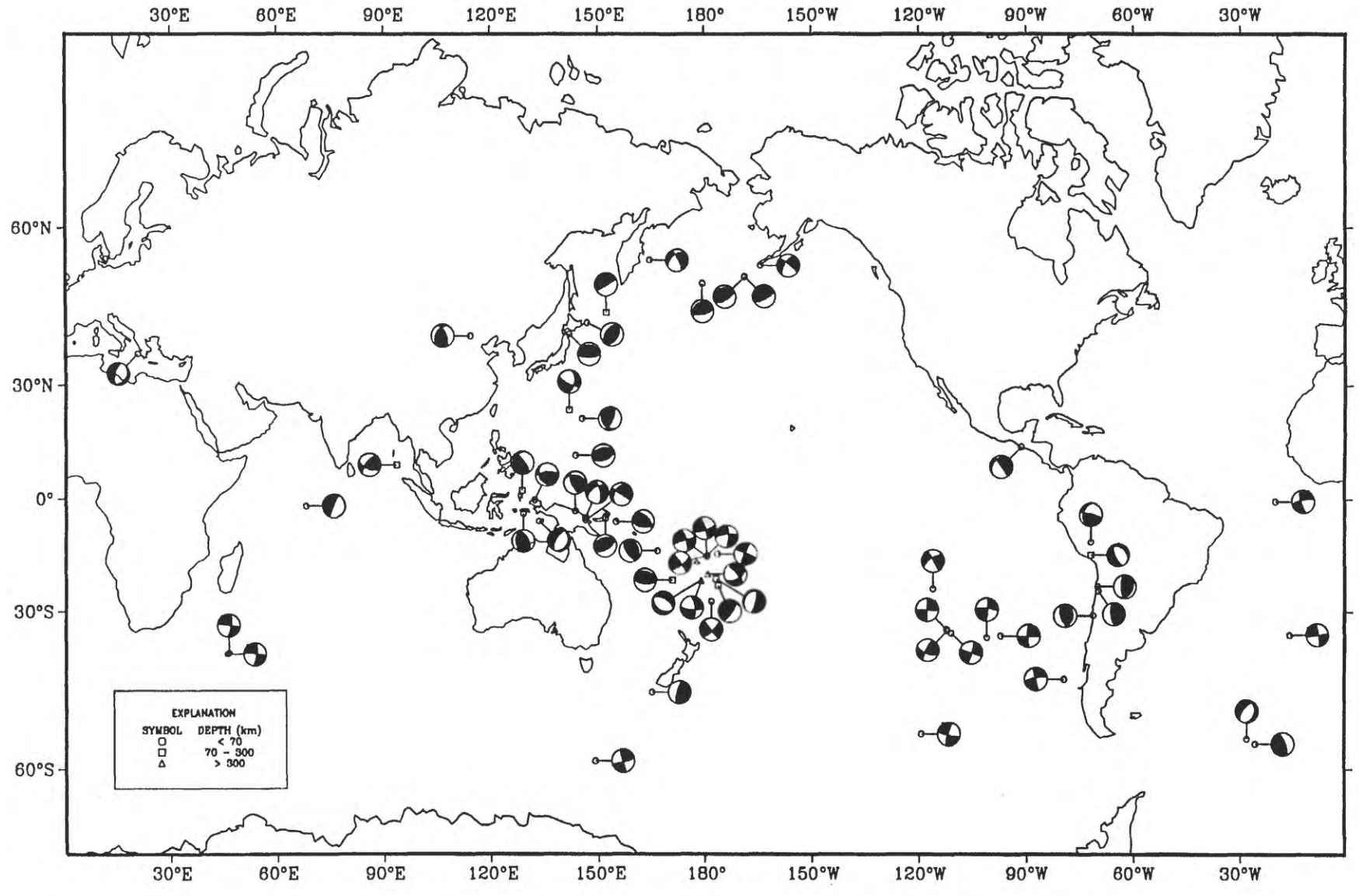


31	00	12	12.8?	6.28	N	73.86	W	33	N	3.8	1.1	7	NORTHERN COLOMBIA
31	00	46	06.4?	8.97	N	125.96	E	33	N	3.7	1.1	5	MINDANAO, PHILIPPINE ISLANDS
31	00	48	35.5	44.521	N	142.686	E	33	N	4.0	1.0	18	HOKKAIDO, JAPAN REGION
31	01	08	09.1	24.805	N	126.337	E	47	D	5.0	0.8	60	RYUKYU ISLANDS
31	01	44	10.1*	51.609	N	16.180	E	5	G		0.7	7	POLAND. ML 2.6 (WAR).
31	02	14	36.7	63.383	N	151.646	W	33	N		1.0	8	CENTRAL ALASKA. ML 2.8 (PMR).
31	02	30	58.4	36.306	N	33.673	W	10	G	4.5 4.1	1.0	24	AZORES ISLANDS REGION
31	03	05	17.9*	43.452	N	134.169	E	400	G	4.2	0.7	12	NEAR SOUTHEAST COAST OF RUSSIA
31	03	13	37.3	51.653	N	16.128	E	5	G		1.1	21	POLAND. ML 3.8 (GRF), 3.6 (VIE), 3.3 (WAR).
31	03	15	13.1	23.453	S	177.971	W	300	G	4.6	0.9	53	SOUTH OF FIJI ISLANDS
31	06	15	46.0&	37.498	S	73.683	W	33	N			9	NEAR COAST OF CENTRAL CHILE. <GUC>.
31	11	23	23.2	63.275	N	152.026	W	33	N		0.8	8	CENTRAL ALASKA. ML 2.7 (PMR).
31	11	37	55.9?	52.95	N	175.10	E	100	G	3.9	1.4	10	RAT ISLANDS, ALEUTIAN ISLANDS
31	11	42	07.9&	33.561	S	70.762	W	72				11	CHILE-ARGENTINA BORDER REGION. <GUC>.
31	11	45	15.1&	63.319	N	151.722	W	19		2.9		59	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.5 (PMR).
31	12	03	04.7&	44.478	N	7.229	E	11				18	NORTHERN ITALY. <GEN>. ML 2.3 (GEN), 1.8 (LDG).
31	12	04	34.1&	39.368	N	29.528	E	5				5	TURKEY. <ISK>. MD 2.7 (ISK).
31	12	40	15.9&	32.165	S	71.636	W	14				11	NEAR COAST OF CENTRAL CHILE. <GUC>.
31	13	00	17.9&	17.570	N	66.420	W	29				4	PUERTO RICO REGION. <MPR>. MD 3.4 (MPR).
31	13	45	49.2*	37.384	N	20.766	E	33	N	3.9	1.1	16	IONIAN SEA
31	14	03	19.4?	9.38	S	113.05	E	81	?		1.2	8	SOUTH OF JAWA, INDONESIA
31	14	45	30.2&	59.153	N	150.931	W	0				93	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.5 (AEIC), 3.5 (PMR).
31	15	47	10.8?	22.76	S	176.39	W	33	N	4.0	0.8	12	SOUTH OF FIJI ISLANDS
31	16	08	59.8&	17.970	N	67.050	W	113				5	MONA PASSAGE. <MPR>. MD 2.7 (MPR).
31	16	13	35.8	17.180	N	94.753	W	128		3.9	1.4	33	CHIAPAS, MEXICO. MD 4.3 (UNM).
31	16	45	41.7&	30.842	S	71.374	W	17				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
31	17	39	36.8*	29.555	N	68.331	E	33	N	3.9	1.3	14	PAKISTAN
31	18	21	50.4	11.396	S	165.427	E	33	N	5.1 4.6	1.0	75	SANTA CRUZ ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:21:54.1; Lat 11.70 S; Lon 165.02 E; Dep 30.2; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.51, Plg=16, Azm=86; (N) Val=-0.56, Plg=8, Azm=353; (P) Val=-5.95, Plg=72, Azm=238; Best double couple: Mo=6.2*10**16 Nm; NP1: Strike=188, Dip=29, Slip=-73; NP2: Strike=349, Dip=62, Slip=-99.
31	18	25	51.0&	63.300	N	151.334	W	102		3.1		64	CENTRAL ALASKA. <AEIC>.
31	19	20	06.0	3.298	N	82.891	W	10	G	4.5 4.2	0.8	47	SOUTH OF PANAMA. MD 4.2 (UPA).
31	19	39	14.9	11.450	S	165.359	E	33	N	4.8 4.6	1.0	77	SANTA CRUZ ISLANDS
31	20	05	58.3&	42.890	N	0.230	W	0	G			33	PYRENEES. <MDD>. ML 3.6 (STR), 3.1 (LDG). mbLg 2.8 (MDD). Felt (III) at Cauterets, France.
31	20	33	22.6&	41.530	N	20.990	E	8				30	ALBANIA. <SKO>. ML 3.2 (SKO).
31	21	14	48.3	45.452	N	26.311	E	145			0.8	22	ROMANIA
31	21	21	05.4?	38.36	N	21.07	E	100	G	4.0	1.1	11	GREECE
31	22	45	50.3*	11.487	S	165.574	E	33	N	4.0	1.2	11	SANTA CRUZ ISLANDS
31	23	30	42.0*	35.763	S	97.058	W	10	G	5.0 5.4	1.0	58	WEST CHILE RISE. Mw 6.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:30:43.4; Lat 36.38 S; Lon 97.83 W; Dep 15.0 Fix; Half-duration 2.5 sec; Principal axes (scale 10**18 Nm): (T) Val=1.30, Plg=8, Azm=46; (N) Val=-0.11, Plg=82, Azm=239; (P) Val=-1.19, Plg=2, Azm=136; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=181, Dip=83, Slip=5; NP2: Strike=91, Dip=85, Slip=173.
31	23	31	16.5&	15.959	N	99.404	W	20		3.6		25	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 4.4 (UNM).

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.

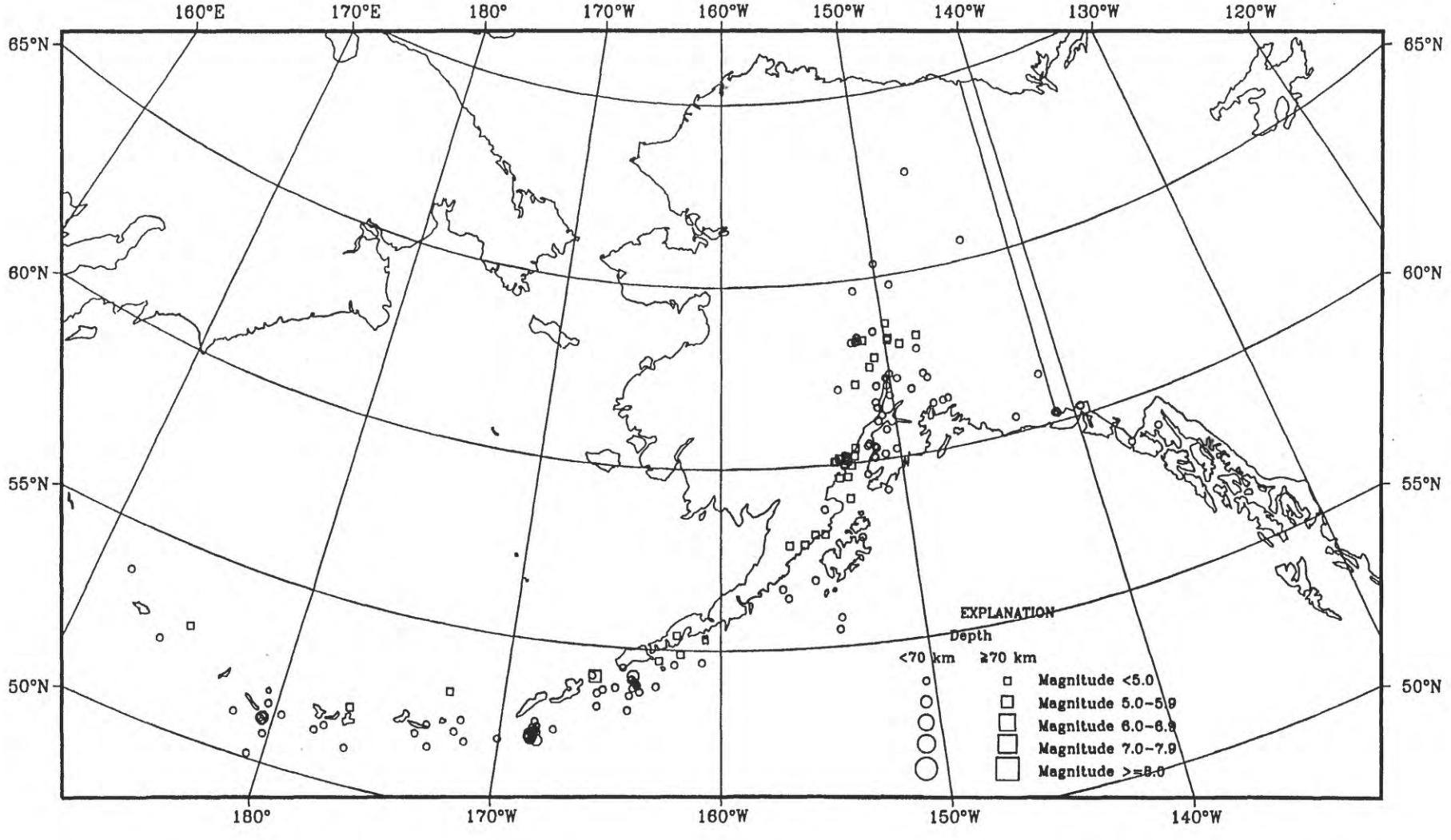
DUPLICATE PAGE

Earthquake Focal Mechanisms for January 1998

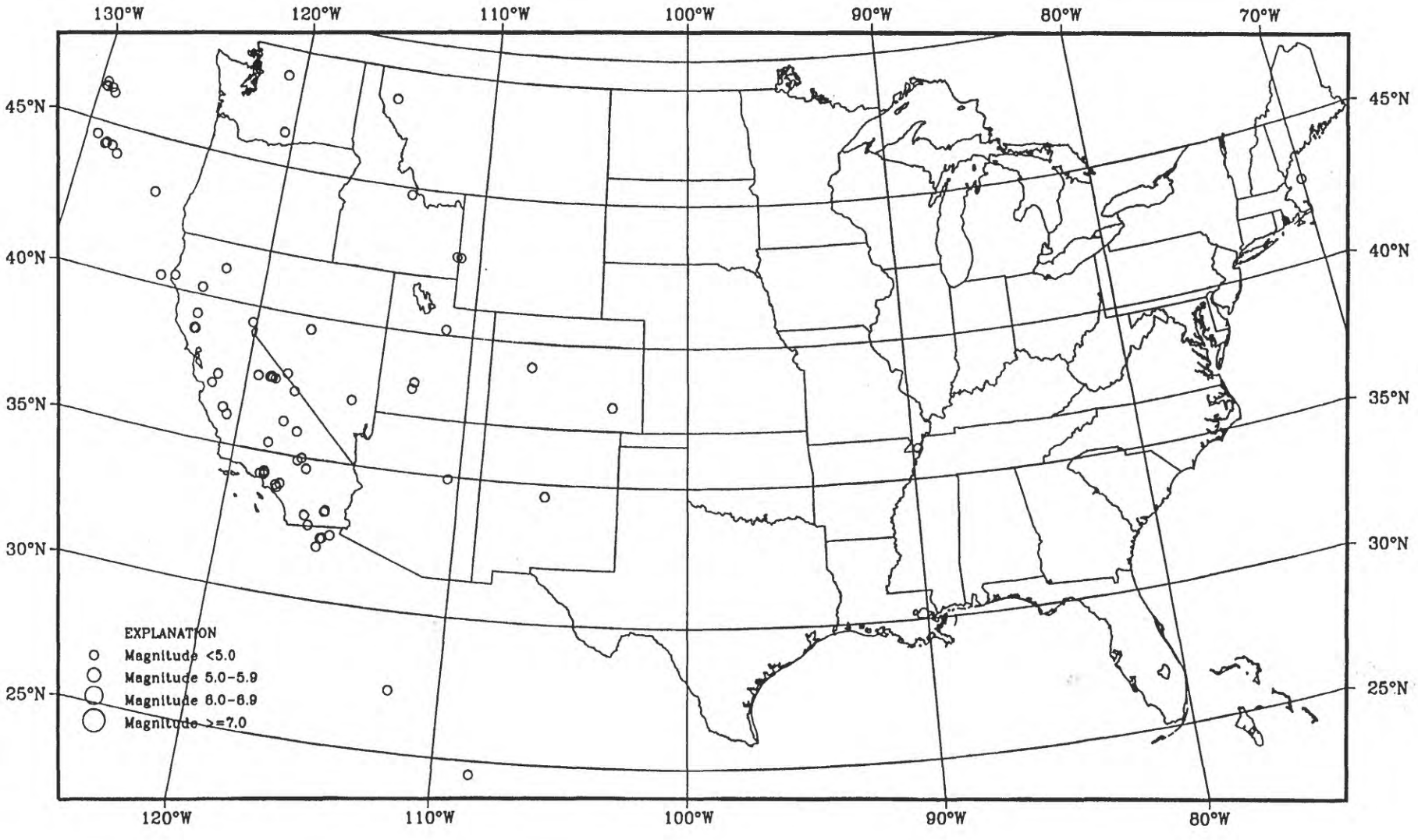


DUPLICATE PAGE

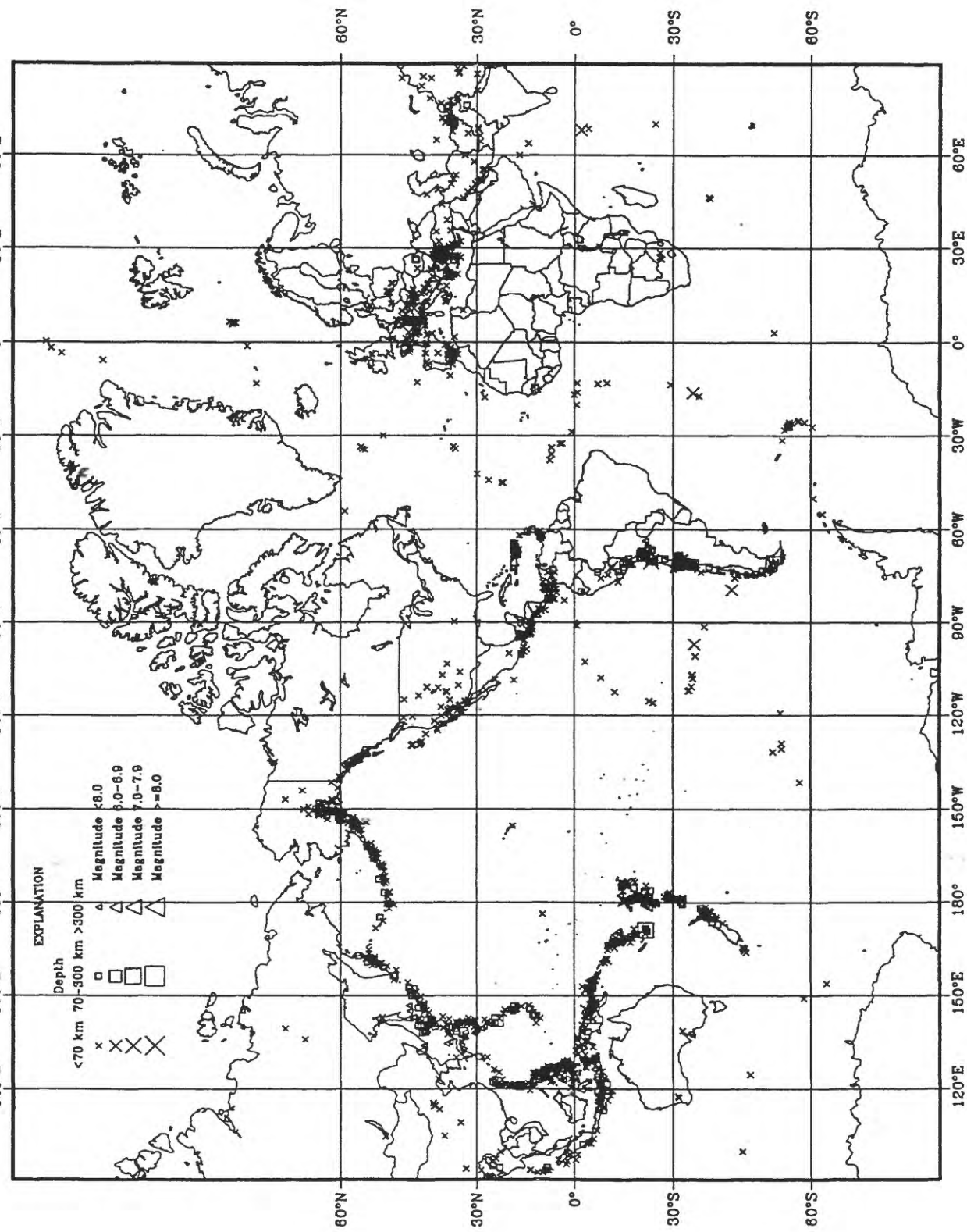
Earthquake epicenters in Alaska and adjacent regions for January 1998



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



Earthquakes located worldwide in January 1998



SIGNIFICANT EARTHQUAKES OF THE WORLD, 1997

Earthquakes of magnitude 6.5 or greater or ones that caused fatalities, injuries or substantial damage.
BRK--Berkeley. PAS--Pasadena.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
JAN 05	08 47 25.4	29.845 N	80.532 E	33 N	5.6	5.3	0.9	232	NEPAL-INDIA BORDER REGION. Mw 5.4 (GS), 5.6 (HRV). Me 5.3 (GS). Es=1.7*10**12 Nm (GS). Mo=1.6*10**17 Nm (GS). Mo=2.5*10**17 Nm (HRV). Many houses damaged in western Nepal. Felt at Baitadi and Dandeldhura.
JAN 09	13 43 31.5	41.026 N	74.284 E	22 D	5.7	5.8	1.0	376	KYRGYZSTAN. Mw 5.7 (GS), 5.8 (HRV), 5.9 (OBN). Me 5.6 (GS). Es=5.6*10**12 Nm (GS). Mo=4.1*10**17 Nm (GS). Mo=5.7*10**17 Nm (HRV). Mo=7.8*10**17 Nm (OBN). At least 10 houses destroyed and 400 others damaged in the Dzhergetal area. Felt (VII) at Koshtebe; (VI) at Kazarman; (V) at Min-Kush; (IV) at Jalal-Abad, Naryn, Osh, Sufi-Kurgan, Talas and Uzgen; (III) at Bishkek. Also felt (III) at Almaty, Kazakhstan.
JAN 11	20 28 26.0	18.219 N	102.756 W	33 N	6.5	6.9	1.1	354	MICHOACAN, MEXICO. Mw 7.2 (GS), 7.2 (HRV). Me 7.0 (GS). Es=7.4*10**14 Nm (GS). Mo=6.4*10**19 Nm (GS). Mo=6.1*10**19 Nm (HRV). Mo=7.5*10**19 Nm (PPT). One person killed and extensive damage in the Arteaga area. Felt strongly in much of Michoacan and at Mexico City. Also felt in Colima, Guerrero and Jalisco.
JAN 12	12 10 51.3	40.956 N	19.672 E	10 G	4.8	4.7	1.3	195	ALBANIA. ML 4.6 (ROM), 4.4 (THE). More than 70 houses damaged in the Berat District. Damage at Ura Vajgurore. Felt (VI) at Berat and Gramsh; (V) at Cerrik and Elbasan; (IV) at Kavaje, Tepelene and Vlore.
JAN 21	01 48 30.1*	39.474 N	76.998 E	33 N	5.3	5.8	1.3	42	SOUTHERN XINJIANG, CHINA. Mw 5.9 (HRV). Mo=7.7*10**17 Nm (HRV). At least 12 people killed, 40 injured and 2,500 families homeless; about 14,000 homes destroyed, 17,000 additional homes damaged and 3,360 head of livestock killed in the Jiashi area. Felt at Aksu, Akto, Artux, Kashi and Wuqia.
JAN 23	02 15 23.3	21.954 S	65.579 W	275 D	6.3		1.1	255	SOUTHERN BOLIVIA. Mw 7.0 (GS), 7.1 (HRV). Me 6.6 (GS). Es=1.8*10**14 Nm (GS). Mo=3.6*10**19 Nm (GS). Mo=5.8*10**19 Nm (HRV). Mo=1.6*10**20 Nm (PPT). Felt (V) at Antofagasta, Calama and Tocopilla; (III) at Arica, Chile. Felt in northern Jujuy Province, Argentina. Two events about 3.0 seconds apart.
FEB 04	10 37 47.1	37.661 N	57.291 E	10 G	5.9	6.8	1.1	338	TURKMENISTAN-IRAN BORDER REGION. Mw 6.5 (GS), 6.5 (HRV), 6.4 (OBN). Me 7.1 (GS). Es=1.1*10**15 Nm (GS). Mo=6.2*10**18 Nm (GS). Mo=6.7*10**18 Nm (HRV). Mo=5.2*10**18 Nm (OBN). About 100 people killed, nearly 2,000 injured, about 5,500 houses destroyed and 11,000 houses damaged in the Bojnurd-Shirvan area, Iran. Damage estimated at more than 30 million U.S. dollars. Felt in many parts of northeastern Iran, including Esfarayen, Mashhad, Neyshabur, Quchan and Sabzevar.
FEB 27	21 08 02.3	29.976 N	68.208 E	33 N	6.3	7.3	1.2	362	PAKISTAN. Mw 7.0 (GS), 7.1 (HRV), 6.8 (OBN). Me 6.7 (GS). Es=2.8*10**14 Nm (GS). Mo=4.0*10**19 Nm (GS). Mo=5.2*10**19 Nm (HRV). Mo=2.0*10**19 Nm (OBN). Mo=3.2*10**19 Nm (PPT). At least 57 people killed, hundreds injured, thousands homeless, more than 500 houses damaged or destroyed and hundreds of livestock killed in the Harnai-Sibi area. Roads and railroads in the area blocked by landslides. Three people killed and several injured in the Quetta area. Felt throughout much of central Baluchistan.
FEB 28	12 57 18.6	38.075 N	48.050 E	10 G	5.5	6.1	1.1	315	ARMENIA-AZERBAIJAN-IRAN BORD REG. Mw 6.0 (GS), 6.1 (HRV). Mo=1.0*10**18 Nm (GS). Mo=1.7*10**18 Nm (HRV). At least 1,100 people killed, 2,600 injured, 36,000 homeless, 12,000 houses damaged or destroyed and 160,000 livestock killed in the Ardabil region of northwestern Iran. Severe damage to roads, electrical power lines, communications and water distribution systems in that area.
MAR 01	06 04 14.1	39.422 N	76.839 E	22 D	5.2	5.5	1.1	246	SOUTHERN XINJIANG, CHINA. Mw 5.6 (HRV). Mo=3.3*10**17 Nm (HRV). Two people killed, six injured, 4,000 houses destroyed and 738 cattle killed in Jiashi County. Also felt at Kashi.
MAR 04	03 51 25.8	34.892 N	139.038 E	10 G	5.3	5.3	1.2	196	NEAR S. COAST OF HONSHU, JAPAN. Mw 5.6 (HRV). Mo=2.8*10**17 Nm (HRV). Three people slightly injured at Ito. Felt (IV JMA) at Ito, (III JMA) at Yokohama and Yokosuka, (II JMA) at Tokyo and (I JMA) at Kofu and Urawa.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
MAR 04	13 03 47.8	29.422 N	68.790 E	33 N	5.4	5.8	1.1	275	PAKISTAN. Mw 5.7 (GS), 5.7 (HRV). Mo=4.6*10**17 Nm (GS). Mo=4.6*10**17 Nm (HRV). At least one person injured and additional damage at Sibi. Felt at Quetta.
MAR 06	15 16 32.0	5.518 N	0.313 W	10 G	4.4		0.7	46	NORTHWEST AFRICA. Seven people injured and power outages occurred in the Accra area, Ghana.
MAR 11	19 22 00.1	7.742 N	127.647 E	10 G	6.3	6.7	1.2	210	PHILIPPINE ISLANDS REGION. Mw 6.9 (GS), 6.9 (HRV). Me 7.2 (GS). Ms 6.7 (BRK). Es=1.4*10**15 Nm (GS). Mo=2.3*10**19 Nm (GS). Mo=2.2*10**19 Nm (HRV). Mo=6.7*10**19 Nm (PPT). Some damage to buildings in the Cagayan de Oro area. Felt (V RF) at Bislig; (IV RF) at Cagayan de Oro and Davao; (III RF) at Surigao; (II RF) at General Santos. Complex event.
MAR 16	05 51 37.0	34.851 N	137.445 E	36 D	5.7	5.1	0.8	339	NEAR S. COAST OF HONSHU, JAPAN. Mw 5.6 (HRV). Mo=3.3*10**17 Nm (HRV). At least 4 people injured at Toyohashi. Felt (V JMA) at Toyohashi and (IV JMA) at Hikone, Mino-kamo, Nagoya, Omi-Hachiman and Shimada. Also felt slightly at Tokyo.
MAR 19	19 57 11.9	34.872 N	71.620 E	50 G	4.9		0.8	88	PAKISTAN. Fifteen people killed, several injured and damage to houses in the Bajaur region. Felt at Chitral.
MAR 20	08 50 40.3	30.136 N	68.022 E	33 N	5.5	5.8	1.0	264	PAKISTAN. Mw 5.7 (GS), 5.9 (HRV). Me 5.4 (GS). Es=2.4*10**12 Nm (GS). Mo=4.1*10**17 Nm (GS). Mo=8.1*10**17 Nm (HRV). At least three people injured and additional damage to houses in the Harnai area. Felt at Quetta. Two events about 1 second apart.
MAR 26	02 08 57.2	51.277 N	179.533 E	33 N	6.0	6.5	1.0	434	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 6.6 (GS), 6.7 (HRV). Me 6.1 (GS). ML 6.3 (PMR). Es=3.2*10**13 Nm (GS). Mo=9.0*10**18 Nm (GS). Mo=1.2*10**19 Nm (HRV). Mo=2.0*10**19 Nm (PPT). This shallow-dipping thrust earthquake is located very near the eastern end of the rupture zone of the February 4, 1965 magnitude 8.7 (Mw) earthquake, which is also the eastern boundary of the Rat Island block. Complex earthquake, with two events occurring about 3 seconds apart.
MAR 26	08 31 47.1	31.920 N	130.429 E	10 G	5.6	5.9	1.3	275	KYUSHU, JAPAN. Mw 6.0 (GS), 6.1 (HRV). Mo=1.2*10**18 Nm (GS). Mo=1.8*10**18 Nm (HRV). At least 22 people injured, many houses damaged and landslides occurred in Kagoshima Prefecture. Railway services interrupted in Kagoshima Prefecture and airports temporarily closed at Kagoshima, Kumamoto and Miyazaki. Felt (VI JMA) at Akune, Togomachi and Tsuruda; (V JMA) at Miyanojo and Sendai; (IV JMA) at Hitoyoshi, Miyakonojo, Okuchi and Yatsushiro; (III JMA) at Kurume, Makurazaki, Miyazaki, Oita and Saga. Felt (IV JMA) at Ushibuka, Amakusa-Shimo-jima. Also felt in much of Shikoku and parts of western Honshu.
APR 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). Mo=1.8*10**17 Nm (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.
APR 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 6.4 (GS), 6.5 (HRV). Me 6.2 (GS). Es=5.2*10**13 Nm (GS). Mo=4.8*10**18 Nm (GS). Mo=5.6*10**18 Nm (HRV).
APR 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). Mo=7.8*10**17 Nm (GS). Mo=7.7*10**17 Nm (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.
APR 06	04 36 35.2	39.537 N	76.998 E	33 N	5.6	5.8	1.0	374	SOUTHERN XINJIANG, CHINA. Mw 5.8 (GS), 6.0 (HRV). Me 5.3 (GS). Es=1.7*10**12 Nm (GS). Mo=6.2*10**17 Nm (GS). Mo=1.1*10**18 Nm (HRV). Injuries and damage for this earthquake are included in the comment for the event on April 5 at 23:46 UTC.
APR 11	05 34 42.7	39.527 N	76.941 E	15 G	5.8	6.1	1.0	433	SOUTHERN XINJIANG, CHINA. Mw 6.0 (GS), 6.2 (HRV). Me 5.8 (GS). Ms 6.0 (BRK). Es=1.2*10**13 Nm (GS). Mo=1.2*10**18 Nm (GS). Mo=2.1*10**18 Nm (HRV). 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.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
APR 15	18 19 10.1	39.634 N	76.992 E	23 D	5.4	5.8	1.1	339	SOUTHERN XINJIANG, CHINA. Mw 5.8 (GS), 5.8 (HRV). Me 5.7 (GS). Es=9.2*10**12 Nm (GS). Mo=5.4*10**17 Nm (GS). Mo=6.6*10**17 Nm (HRV). One person injured and some buildings destroyed in Jiashi County.
APR 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). Es=8.3*10**15 Nm (GS). Mo=3.7*10**20 Nm (GS). Mo=4.4*10**20 Nm (HRV). Mo=7.0*10**20 Nm (PPT). 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. Complex earthquake with at least one large event occurring about 26 seconds after small initial onset.
APR 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). Es=2.2*10**14 Nm (GS). Mo=1.4*10**19 Nm (GS). Mo=1.1*10**19 Nm (HRV). Mo=1.1*10**19 Nm (PPT). 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.
APR 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). Es=4.4*10**13 Nm (GS). Mo=6.4*10**18 Nm (GS). Mo=6.4*10**18 Nm (HRV). 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.
APR 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 6.6 (GS), 6.8 (HRV). Mo=7.5*10**18 Nm (GS). Mo=1.5*10**19 Nm (HRV). Mo=3.5*10**19 Nm (PPT).
MAY 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). Es=1.8*10**15 Nm (GS). Mo=2.7*10**19 Nm (GS). Mo=2.8*10**19 Nm (HRV). Felt along the coast of Jalisco. Two events about 2 seconds apart.
MAY 03	16 46 02.0	31.971 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). Es=2.2*10**14 Nm (GS). Mo=2.2*10**19 Nm (GS). Mo=2.8*10**19 Nm (HRV).
MAY 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). Es=2.6*10**13 Nm (GS). Mo=1.2*10**18 Nm (GS). Mo=8.6*10**17 Nm (HRV). 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.
MAY 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). Es=8.9*10**15 Nm (GS). Mo=9.5*10**19 Nm (GS). Mo=7.3*10**19 Nm (HRV). 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.
MAY 11	22 16 13.9	36.383 S	97.703 W	10 G	5.6	5.8	1.3	99	WEST CHILE RISE. Mw 6.4 (GS), 6.5 (HRV). Mo=4.7*10**18 Nm (GS). Mo=6.0*10**18 Nm (HRV).
MAY 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). Mo=1.4*10**18 Nm (GS). Mo=1.4*10**18 Nm (HRV). Thirty-four people injured and five houses damaged (VI JMA) in the Sendai area. Felt as far as Fukuoka. Landslides occurred in Kagoshima Prefecture.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
MAY 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.
MAY 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). Es=6.7*10**13 Nm (GS). Mo=5.9*10**18 Nm (GS). Mo=5.0*10**18 Nm (HRV). 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.
MAY 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.
MAY 21	14 10 26.2	20.438 S	169.287 E	57 G	5.9	6.5	1.2	255	VANUATU ISLANDS. Mw 6.6 (GS), 6.8 (HRV). Me 6.5 (GS). Ms 6.1 (BRK). Es=1.1*10**14 Nm (GS). Mo=9.1*10**18 Nm (GS). Mo=1.5*10**19 Nm (HRV). Mo=2.3*10**19 Nm (PPT). Felt (V) at Noumea, New Caledonia. Also felt at Port-Vila.
MAY 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). Es=2.7*10**12 Nm (GS). Mo=5.3*10**17 Nm (GS). Mo=5.8*10**17 Nm (HRV). 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. Two events about 1 second apart.
MAY 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). Mo=1.3*10**17 Nm (HRV). 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.
MAY 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). Es=2.2*10**13 Nm (GS). Mo=6.8*10**18 Nm (GS). Mo=6.5*10**18 Nm (HRV). Mo=4.9*10**18 Nm (PPT). Many houses damaged at Arteaga and a church damaged at Patzcuaro, Michoacan. Felt strongly at Lazaro Cardenas, Michoacan. Also felt at Mexico City.
MAY 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). Es=1.4*10**15 Nm (GS). Mo=5.8*10**19 Nm (GS). Mo=5.2*10**19 Nm (HRV). Mo=1.1*10**20 Nm (PPT). Felt strongly on Raoul. Felt throughout the North Island and as far south as Christchurch on the South Island. Complex earthquake, with two events about 4.5 and 8.5 seconds after the onset.
MAY 29	17 02 38.7	35.964 S	102.511 W	10 G	5.6	6.1	1.0	148	SOUTHERN PACIFIC OCEAN. Mw 6.4 (GS), 6.5 (HRV). Me 6.2 (BRK). Mo=4.5*10**18 Nm (GS). Mo=5.9*10**18 Nm (HRV). Mo=6.4*10**18 Nm (PPT).
JUN 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). Es=6.8*10**14 Nm (GS). Mo=7.0*10**18 Nm (GS). Mo=7.3*10**18 Nm (HRV). Mo=1.3*10**19 Nm (PPT).
JUN 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 6.3 (GS), 6.4 (HRV), 6.3 (CSEM). Me 6.0 (GS). ML 6.6 (PMR). Es=2.2*10**13 Nm (GS). Mo=2.8*10**18 Nm (GS). Mo=4.4*10**18 Nm (HRV). Mo=3.5*10**18 Nm (CSEM). Mo=3.1*10**18 Nm (PPT). Felt (IV) on Adak. Also felt on Amchitka.
JUN 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). Mo=2.4*10**17 Nm (HRV). Sixty houses destroyed in Khorasan Province.
JUN 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). Es=2.0*10**13 Nm (GS). Mo=7.7*10**17 Nm (GS). Mo=7.4*10**17 Nm (HRV). About 100 houses destroyed, 5,000 others damaged and some livestock killed in the Birjand-Qayen area.
JUL 06	09 54 00.7	30.058 S	71.872 W	19 G	5.8	6.5	1.2	189	NEAR COAST OF CENTRAL CHILE. Mw 6.8 (GS), 6.8 (HRV). Me 6.1 (GS). Ms 6.3 (BRK). Es=3.7*10**13 Nm (GS). Mo=1.9*10**19 Nm (GS). Mo=1.9*10**19 Nm (HRV). Mo=4.0*10**19 Nm (PPT). Felt (III) at Coquimbo, La Serena, Ovalle and Vicuna. Two events about 3.0 seconds apart.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
JUL 09	19 24 13.1	10.598 N	63.486 W	20	6.2	6.8	1.3	350	NEAR COAST OF VENEZUELA. Mw 6.9 (GS), 7.0 (HRV). Me 6.5 (GS). Ms 7.0 (BRK). Es=1.1*10**14 Nm (GS). Mo=2.6*10**19 Nm (GS). Mo=3.1*10**19 Nm (HRV). Mo=6.0*10**19 Nm (PPT). At least 81 people killed, 522 injured, 3,000 homeless, extensive damage and landslides in the Cariaco-Cumana area. Several people injured in the Barcelona-Puerto La Cruz area. Some damage on Isla de Margarita. Power, telephone and water services disrupted on Isla Coche and Isla de Margarita. Felt in much of northeastern Venezuela and as far west as Maracaibo. Felt (V) on Trinidad. Also felt on Tobago.
JUL 19	14 22 08.7	16.333 N	98.216 W	33 N	5.7	6.3	1.2	217	OFF COAST OF GUERRERO, MEXICO. Mw 6.9 (GS), 6.7 (HRV). Me 6.0 (GS). Ms 6.1 (BRK). Es=2.3*10**13 Nm (GS). Mo=2.5*10**19 Nm (GS). Mo=1.2*10**19 Nm (HRV). Mo=1.5*10**19 Nm (PPT). Felt in Guerrero and Oaxaca. Also felt at Mexico City. Complex event.
JUL 21	08 45 49.1	26.857 S	26.619 E	5 G	5.0		1.1	36	REPUBLIC OF SOUTH AFRICA. At least 15 people killed and 46 injured at the Hartebeesfontein gold mine near Stilfontein. Felt as far as Pretoria.
AUG 08	02 39 01.9	39.746 N	41.869 E	10 G	4.5		1.4	66	TURKEY. One person injured and seven houses destroyed in the Koprukoy area.
AUG 08	22 27 19.8	15.477 S	179.140 W	10 G	5.7	6.6	1.1	224	FIJI ISLANDS REGION. Mw 6.5 (GS), 6.6 (HRV). Ms 6.6 (BRK). Mo=7.0*10**18 Nm (GS). Mo=9.5*10**18 Nm (HRV).
AUG 20	07 15 15.9	4.358 N	96.494 E	33 N	5.9	6.0	1.2	292	NORTHERN SUMATERA, INDONESIA. Mw 6.0 (GS), 6.0 (HRV). Me 5.8 (GS). Es=1.1*10**13 Nm (GS). Mo=1.2*10**18 Nm (GS). Mo=1.1*10**18 Nm (HRV). Several hundred houses destroyed in Aceh. Felt at Banda Aceh, Medan and other parts of northern Sumatera. Felt at Alor Setar, Petaling Jaya, Pinang and Shah Alam, Malaysia. Also felt at Hat Yai and Songkhla, Thailand.
AUG 20	13 51 16.6	41.715 S	80.134 E	10 G	5.6	6.4	1.3	93	MID-INDIAN RIDGE. Mw 6.5 (GS), 6.5 (HRV). Me 6.9 (GS). Es=4.5*10**14 Nm (GS). Mo=5.8*10**18 Nm (GS). Mo=5.7*10**18 Nm (HRV).
AUG 24	21 11 24.7	28.795 N	52.593 E	33 N	5.0	4.1	0.9	151	SOUTHERN IRAN. Sixty-seven people injured in the Firuzabad area.
AUG 29	06 54 00.2	15.235 S	175.576 W	33 N	5.6	6.4	1.3	187	TONGA ISLANDS. Mw 6.5 (GS), 6.4 (HRV). Me 6.7 (GS). Ms 6.1 (BRK). Es=2.5*10**14 Nm (GS). Mo=5.5*10**18 Nm (GS). Mo=5.3*10**18 Nm (HRV). Mo=4.1*10**18 Nm (PPT).
AUG 29	08 14 09.9	3.562 S	144.362 E	23	5.8	6.8	1.1	191	NEAR N COAST OF NEW GUINEA, PNG. Mw 6.5 (GS), 6.6 (HRV). Me 6.9 (GS). Ms 6.9 (BRK). Es=5.5*10**14 Nm (GS). Mo=6.6*10**18 Nm (GS). Mo=7.5*10**18 Nm (HRV).
SEP 02	12 13 22.9	3.849 N	75.749 W	199	6.5		0.9	420	COLOMBIA. Mw 6.8 (GS), 6.8 (HRV). Me 6.5 (GS). mb 6.0 (BRK). Es=1.2*10**14 Nm (GS). Mo=1.8*10**19 Nm (GS). Mo=1.6*10**19 Nm (HRV). Mo=8.0*10**18 Nm (PPT). Felt at Armenia, Bogota, Cali, Ibague, Manizales, Medellin, Pereira and many other parts of central and western Colombia. Also felt (II) at Panama City and Penonome, Panama. Complex earthquake. A small event is followed by at least three larger events about 1.0, 4.0 and 7.0 seconds later.
SEP 04	04 23 37.0	26.569 S	178.336 E	625 D	6.3		1.0	435	SOUTH OF FIJI ISLANDS. Mw 6.8 (GS), 6.8 (HRV). Me 6.5 (GS). mb 6.4 (BRK). Es=1.1*10**14 Nm (GS). Mo=2.0*10**19 Nm (GS). Mo=2.1*10**19 Nm (HRV). Mo=2.2*10**19 Nm (PPT). Complex earthquake.
SEP 20	16 11 32.1	28.683 S	177.624 W	30 G	6.1	7.0	1.0	359	KERMADEC ISLANDS REGION. Mw 6.9 (GS), 7.0 (HRV). Me 6.5 (GS). Ms 7.1 (BRK). Es=1.3*10**14 Nm (GS). Mo=2.8*10**19 Nm (GS). Mo=3.5*10**19 Nm (HRV). Mo=4.4*10**19 Nm (PPT).
SEP 25	00 05 23.2	26.367 S	27.406 E	5 G	4.7		0.8	71	REPUBLIC OF SOUTH AFRICA. mbLg 4.5 (BUL). At least three people injured at the East Dreifontein gold mine. Felt at Johannesburg.
SEP 26	00 33 12.2	43.048 N	12.879 E	10 G	5.5	5.6	1.2	341	CENTRAL ITALY. Mw 5.6 (GS), 5.7 (HRV). Me 5.7 (GS). ML 5.9 (VIE), 5.7 (STR), 5.6 (FUR), 5.5 (ROM), 5.2 (LDG). Es=7.6*10**12 Nm (GS). Mo=3.3*10**17 Nm (GS). Mo=3.8*10**17 Nm (HRV). Casualties and damage in the Marche and Umbria regions are included in the comment for the event at 09:40:26 UTC on September 26. Maximum intensity (VIII) in the epicentral area. Damage to the Basilica of St. Francis at Assisi.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
SEP 26	09 40 26.3	43.084 N	12.812 E	10 G	5.7	6.0	1.3	348	CENTRAL ITALY. Mw 6.0 (GS), 6.0 (HRV). Me 6.1 (GS). ML 6.4 (VIE), 6.2 (FUR), 6.0 (STR), 5.8 (ROM), 5.6 (LDG). Es=2.9*10**13 Nm (GS). Mo=1.0*10**18 Nm (GS). Mo=1.1*10**18 Nm (HRV). Eleven people killed, more than 100 injured and about 80,000 homes destroyed or damaged in the Marche and Umbria regions by this earthquake and the event at 00:33:12 UTC on September 26. Maximum intensity (X) at Serravalle di Chienti and (IX) at Valtopina. Extensive damage to the Basilica of St. Francis at Assisi. Felt in many parts of central and northern Italy from Bologna and Modena to Rome. Felt (IV) in western and central Slovenia and (III) in southern Karnten Province, Austria.
SEP 28	01 38 28.6	3.776 S	119.727 E	33 N	5.6	5.5	1.3	145	SULAWESI, INDONESIA. Mw 5.9 (GS), 5.9 (HRV). Me 5.6 (GS). Es=6.2*10**12 Nm (GS). Mo=6.8*10**17 Nm (GS). Mo=7.1*10**17 Nm (HRV). At least 18 people killed, over 300 injured and 650 houses and buildings destroyed in the Parepare-Pinrang area. Felt (IV) at Majene and (III) at Ujungpandang.
SEP 30	06 27 24.7	31.959 N	141.878 E	10 G	5.5	6.5	1.1	245	SOUTH OF HONSHU, JAPAN. Mw 6.2 (GS), 6.2 (HRV). Me 5.8 (GS). Ms 6.5 (BRK). Es=1.2*10**13 Nm (GS). Mo=1.9*10**18 Nm (GS). Mo=2.1*10**18 Nm (HRV).
OCT 03	08 55 21.5	43.075 N	12.794 E	10 G	5.1	4.9	1.1	314	CENTRAL ITALY. Mw 5.3 (HRV). ML 5.5 (VIE), 5.4 (FUR), 5.2 (STR), 4.9 (LDG). MD 4.8 (ROM). Mo=9.9*10**16 Nm (HRV). About 20 people injured and additional damage (VII) in the Marche and Umbria regions. Additional damage to the Basilica of St. Francis at Assisi. Felt at Rome.
OCT 03	11 28 40.5	27.813 N	54.731 E	33 N	5.2	4.8	1.1	203	SOUTHERN IRAN. Mw 5.3 (HRV). Mo=1.0*10**17 Nm (HRV). Six people injured and several houses damaged in the epicentral area.
OCT 06	12 30 05.8	9.790 N	125.779 E	106 D	5.9		1.0	237	MINDANAO, PHILIPPINE ISLANDS. Mw 6.5 (GS), 6.4 (HRV). Me 5.8 (GS). Es=1.0*10**13 Nm (GS). Mo=5.5*10**18 Nm (GS). Mo=5.2*10**18 Nm (HRV). Mo=9.6*10**18 Nm (PPT). Felt (III RF) in eastern Cebu.
OCT 06	23 24 52.5	43.045 N	12.835 E	10 G	5.3	5.2	1.2	263	CENTRAL ITALY. Mw 5.5 (HRV). ML 5.8 (VIE), 5.5 (FUR), 5.3 (FBB), 5.3 (ROM), 5.1 (LDG). Mo=2.3*10**17 Nm (HRV). Four people injured and additional damage (VIII) in the Assisi, Foligno, Gualdo Tadino and Nocera Umbra areas. Felt from Arezzo to parts of Lazio.
OCT 13	13 39 37.4	36.379 N	22.071 E	24 G	6.2	6.6	1.2	484	SOUTHERN GREECE. Mw 6.4 (GS), 6.4 (HRV), 6.5 (CSEM). Me 6.2 (GS). Ms 6.7 (BRK). Es=4.8*10**13 Nm (GS). Mo=4.1*10**18 Nm (GS). Mo=4.9*10**18 Nm (HRV). Mo=7.3*10**18 Nm (CSEM). Minor damage in southern Peloponnisos. Felt strongly at Athens. Felt throughout Greece, including Crete. Complex earthquake, with at least three larger events occurring about 1, 3 and 5 seconds after the onset.
OCT 14	09 53 18.1	22.101 S	176.772 W	167 D	6.7		0.9	537	SOUTH OF FIJI ISLANDS. Mw 7.8 (GS), 7.7 (HRV). Me 7.3 (GS). mb 7.0 (BRK). Es=1.8*10**15 Nm (GS). Mo=5.4*10**20 Nm (GS). Mo=4.5*10**20 Nm (HRV). Mo=5.3*10**20 Nm (PPT). Felt at Wellington, New Zealand. Complex earthquake, with two events occurring about 6 and 12 seconds after the onset.
OCT 14	15 23 10.2	42.962 N	12.892 E	10 G	5.4	5.5	1.2	316	CENTRAL ITALY. ML 5.7 (VIE), 5.6 (FUR), 5.5 (STR), 5.4 (ROM), 5.3 (LDG). One person injured and additional damage (VIII) in the Assisi-Perugia-Foligno area. Slight damage at Rome. Felt as far south as Naples.
OCT 15	01 03 33.4	30.933 S	71.220 W	58 G	6.8	6.8	1.0	429	NEAR COAST OF CENTRAL CHILE. Mw 7.1 (GS), 7.1 (HRV). Me 7.6 (GS). Ms 6.7 (BRK). Es=5.3*10**15 Nm (GS). Mo=4.9*10**19 Nm (GS). Mo=4.9*10**19 Nm (HRV). Mo=6.6*10**19 Nm (PPT). Five people killed at Pueblo Nuevo, one person killed at Coquimbo, one person killed at La Chimba and another died of a heart attack at Punitaqui. More than 300 people injured, 5,000 houses destroyed, 15,700 houses damaged, numerous power and telephone outages, landslides and rockslides in the epicentral region. Some damage (VII) at La Serena and (VI) at Ovalle. Felt (VI) at Alto del Carmen and Illapel; (V) at Copiapo, Huasco, San Antonio, Santiago and Vallenar; (IV) at Caldera, Chanaral, Rancagua and Tierra Amarilla; (III) at Talca; (II) at Concepcion and Taltal. Felt as far south as Valdivia. Felt (V) in Mendoza and San Juan Provinces, Argentina. Felt in Buenos Aires, Catamarca, Cordoba and La Rioja Provinces and Distrito Federal, Argentina. Also felt in parts of Bolivia and Peru. Two events about 5 seconds apart.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
OCT 28	06 15 17.3	4.368 S	76.681 W	112 G	6.6	6.3	0.9	537	NORTHERN PERU. Mw 7.1 (GS), 7.2 (HRV). Me 6.7 (GS). mb 6.8 (BRK). Es=2.9*10**14 Nm (GS). Mo=5.0*10**19 Nm (GS). Mo=7.2*10**19 Nm (HRV). Mo=6.0*10**19 Nm (PPT). Slight damage at Chachapoyas. Two events about 6.5 seconds apart.
NOV 03	08 07 59.9	38.806 N	42.408 E	33 N	4.8		0.9	96	TURKEY. Two people injured and seven houses destroyed at Bitlis.
NOV 03	19 17 33.8	30.744 S	71.224 W	45 G	6.2	5.6	0.9	295	NEAR COAST OF CENTRAL CHILE. Mw 6.2 (GS), 6.2 (HRV). Me 6.2 (GS). Ms 5.5 (BRK). MD 5.8 (SAN). Es=4.5*10**13 Nm (GS). Mo=2.3*10**18 Nm (GS). Mo=2.1*10**18 Nm (HRV). Additional damage (VII) at Punitaqui. Felt (VI) at Hurtado, Illapel, La Serena, Monte Patria, Ovalle and Vicuna; (V) at Copiapo and Coquimbo; (IV) at Petorca; (III) at San Antonio, Santiago and Valparaiso. Power and telephone outages occurred at Coquimbo, La Serena and Ovalle. Landslides occurred along Route 5 North in the epicentral area. Also felt (III) at Mendoza, Argentina.
NOV 06	02 34 33.0&	46.800 N	71.410 W	23 G	4.8	4.0		134	SOUTHERN QUEBEC, CANADA. <OTT-P>. mbLg 4.8 (GS), 5.1 (OTT). One person died of a heart attack. Felt in many parts of southern Quebec. Felt as far west as Ottawa, Ontario and as far east as Edmundston, New Brunswick. Felt (V) at Adamstown; (IV) at Clayton Lake, Farmington, Saint Francis, Saint John and Shirley Mills, Maine. Felt (V) at East Haven and Newport; (IV) at Barton, Beebe Plain, Sheldon Springs and West Glover, Vermont. Also felt (IV) at Groveton, New Hampshire. Felt in western Maine, northern New Hampshire, northern Vermont and parts of northeastern New York.
NOV 08	10 02 52.6	35.069 N	87.325 E	33 N	6.2	7.9	1.4	344	XIZANG. Mw 7.4 (GS), 7.5 (HRV), 7.1 (OBN). Me 7.4 (GS). Ms 7.5 (BRK). Es=3.1*10**15 Nm (GS). Mo=1.4*10**20 Nm (GS). Mo=2.2*10**20 Nm (HRV). Mo=5.2*10**19 Nm (OBN). Mo=1.5*10**20 Nm (PPT). Complex earthquake with at least two larger events occurring about 3 and 6 seconds after the onset.
NOV 14	04 29 53.4	24.156 N	121.861 E	33 N	5.2	4.8	1.1	89	TAIWAN. One person injured by a landslide on the coastal highway between Hua-lien and Su-ao. Felt (V JMA) at Hua-lien. Felt in much of Taiwan.
NOV 15	18 59 24.3	15.145 S	167.375 E	123 D	6.4		1.1	357	VANUATU ISLANDS. Mw 7.0 (GS), 7.0 (HRV). Me 6.7 (GS). mb 6.8 (BRK). Es=2.8*10**14 Nm (GS). Mo=4.1*10**19 Nm (GS) Mo=4.2*10**19 Nm (HRV). Complex earthquake with at least one larger event occurring about 3 seconds after the onset.
NOV 18	13 07 41.7	37.570 N	20.656 E	33 N	5.9	6.4	1.4	402	IONIAN SEA. Mw 6.4 (GS), 6.6 (HRV), 6.3 (CSEM). Me 6.2 (GS). ML 6.1 (THE). Es=4.1*10**13 Nm (GS). Mo=4.2*10**18 Nm (GS). Mo=9.0*10**18 Nm (HRV). Mo=3.1*10**18 Nm (CSEM). Several people injured and considerable damage to buildings at Amalias, Gargalianoi, Kalamai, Kiparissia, Meligalas, Pirgos and other parts of western Peloponnisos. One house destroyed on Zakinthos. Felt in much of Greece as far as Crete. Also felt on Sicily. Complex event.
NOV 21	11 23 06.3	22.212 N	92.702 E	54 D	5.9		1.0	362	INDIA-BANGLADESH BORDER REGION. Mw 6.1 (GS), 6.1 (HRV). Me 5.5 (GS). Es=4.4*10**12 Nm (GS). Mo=1.5*10**18 Nm (GS). Mo=1.5*10**18 Nm (HRV). Twenty-three people killed, 200 injured and a five-story building collapsed at Chittagong, Bangladesh. Houses damaged at Alikadam, Bandarban, Lama and Nakhyaungcharipara, Bangladesh. Felt in much of Bangladesh as far north as Rangpur and Rajshahi. Two events about 1.75 seconds apart.
NOV 25	12 14 33.6	1.241 N	122.536 E	24 G	6.1	6.8	1.2	296	MINAHASSA PENINSULA, SULAWESI. Mw 7.0 (GS), 7.0 (HRV). Me 6.9 (GS). Ms 6.7 (BRK). Es=4.7*10**14 Nm (GS). Mo=3.7*10**19 Nm (GS). Mo=4.1*10**19 Nm (HRV). Mo=2.4*10**19 Nm (PPT). At least 90 buildings damaged (VI) in the Gorontalo area. Felt (III) at Manado.
NOV 28	22 53 41.5	13.740 S	68.788 W	586 D	6.4		0.9	488	PERU-BOLIVIA BORDER REGION. Mw 6.6 (GS), 6.7 (HRV). Me 6.5 (GS). mb 6.3 (BRK). Es=1.3*10**14 Nm (GS). Mo=1.0*10**19 Nm (GS). Mo=1.1*10**19 Nm (HRV).
DEC 05	11 26 54.6	54.841 N	162.035 E	33 N	6.3	7.6	1.0	460	NEAR EAST COAST OF KAMCHATKA. Mw 7.7 (GS), 7.8 (HRV), 7.5 (OBN). Me 7.2 (GS). Ms 7.7 (BRK). Es=1.5*10**15 Nm (GS). Mo=4.1*10**20 Nm (GS). Mo=5.3*10**20 Nm (HRV). Mo=2.2*10**20 Nm (OBN). Felt (VII) in the epicentral area and (V) at Petropavlovsk-Kamchatskiy and Ust-Kamchatsk. Felt (II) at Severo-Kurilsk, Paramushir. Also felt aboard the cargo ship Stepan Krasheninnikov in the epicentral area. Tsunami generated with recorded wave heights (peak-to-trough) at the following selected tide stations: 15 cm on Adak and Unalaska, Alaska; 60 cm at Kahului, 52 cm at Haleiwa, 47 cm at Hilo, 30 cm at Hanalei, 12 cm on Midway, 10 cm at Snug Harbor and 5 cm at Honolulu, Hawaii. Complex earthquake with at least one event occurring about 14 seconds after the onset.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
DEC 05	18 48 22.7	53.752 N	161.746 E	33 N	6.2	6.5	1.1	477	OFF EAST COAST OF KAMCHATKA. Mw 6.4 (GS), 6.5 (HRV), 6.6 (OBN). Me 6.5 (GS). Ms 6.4 (BRK). Es=1.1*10**14 Nm (GS). Mo=3.8*10**18 Nm (GS). Mo=5.4*10**18 Nm (HRV). Mo=9.3*10**18 Nm (OBN). Felt (IV) at Petropavlovsk-Kamchatskiy. Also felt (II) at Severo-Kurilsk, Paramushir.
DEC 17	04 38 51.4	51.187 N	178.871 E	20 G	5.8	6.5	1.0	369	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 6.5 (GS), 6.6 (HRV). Me 6.2 (GS). Ms 6.4 (BRK). ML 6.4 (PMR). Es=4.1*10**13 Nm (GS). Mo=6.0*10**18 Nm (GS). Mo=9.9*10**18 Nm (HRV). Mo=1.2*10**19 Nm (PPT). Felt (IV) on Adak. Two events about 1.5 seconds apart.
DEC 22	02 05 50.0	5.495 S	147.867 E	179 D	6.3	6.7	1.0	496	EASTERN NEW GUINEA REG., P.N.G. Mw 7.0 (GS), 7.2 (HRV). Me 7.1 (GS). mb 6.4 (BRK). Es=8.7*10**14 Nm (GS). Mo=4.1*10**19 Nm (GS). Mo=6.2*10**19 Nm (HRV). Mo=5.6*10**19 Nm (PPT). Some minor damage at Lae. Felt at Madang, Morobe, Port Moresby and on New Britain. Complex event.
Notable North American Earthquakes									
JUN 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.

Compiled by Waverly J. Person

Corrections to Previous Monthly Listings

1. Delete event at 17:12:56.1 UTC on July 10, 1995.

2. Delete event at 06:57:04.8 UTC on August 17, 1995.

3. Delete event at 13:06:46.4 UTC on August 30, 1995. Data belong to event at 13:06:42.4 UTC on August 29.

4. Event in Northern Territory, Australia at 08:39:02.7 UTC on October 1, 1995, has been relocated to Western Caroline Islands at 08:33:54 UTC, by ISC.

5. Delete event at 20:00:02.6 UTC on October 21, 1995.

6. Delete event at 20:10:49.0 UTC on October 21, 1995.

7. Event in Minahassa Peninsula, Sulawesi at 04:33:00.4 UTC on October 23, 1995, has been relocated to Celebes Sea at 04:32:56 UTC, by ISC.

8. Delete event at 07:37:04.7 UTC on October 31, 1995. Data belong to event at 07:39:04.3 UTC, located by ISC.

9. Delete event at 21:17:22.8 UTC on December 3, 1995.

10. Delete event at 00:34:52.4 UTC on Decmber 5, 1995.

11. Delete event at 01:08:21.8 UTC on December 22, 1995. Data belong to event at 00:08:21.7 UTC.

12. Delete event at 10:38:21.0 UTC on December 23, 1995. Data belong to event at 10:32:00.2 UTC.

13. Delete event at 16:04:31.8 UTC on January 3, 1996.

14. Event in Borneo at 18:43:34.2 UTC on February 24, 1996, has been relocated to Mindanao at 18:42:30.1 UTC, by ISC.

15. Delete event at 20:29:15.5 UTC on February 26, 1996. Data belong to event at 20:27:37.0 UTC.

16. Delete event at 03:19:40.0 UTC on March 23, 1996. Readings, contributed magnitude and macroseismic data belong to event at 03:19:35.9 UTC on March 24.

17. Delete event at 21:58:50.4 UTC on March 24, 1996. Data belong to event at 21:59:59.3 UTC.

18. Delete event at 13:04:34.8 UTC on April 4, 1996. Data belong to event at 13:04:34.5 UTC on April 3.

19. Delete event at 00:06:52.3 UTC on June 18, 1996. The phase readings for stations WB2, WRA, ASAR, ASPA and STKA belong to event at 00:00:35.2 UTC. Likewise, readings for CMAR, PDY & ZAL belong to event at 00:11:31.6 UTC.

20. Delete event at 18:25:30.0 UTC on June 26, 1996. Data belong to event at 18:21:48.0 UTC.

21. Please add the felt comment below to event at 05:51:37.0 UTC on March 16, 1997.

    'At least 4 people injured at Toyohashi. Felt (V JMA) at Toyohashi and (IV JMA) at Hikone, Mino-kamo, Nagoya, Omi-Hachiman and Shimada. Also felt slightly at Tokyo.'

The corrections shown above (except for number 21) are based on information supplied by A.L. Bird and D.A. Storchak from the International Seismological Centre.

EXPLANATION OF ABBREVIATIONS AND SYMBOLS APPEARING IN THIS PUBLICATION

Abbreviations in Heading

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

Symbols and Abbreviations Used in Comments

AEIC	Alaska Earthquake Information Center (U.S. Geological Survey and University of Alaska), College.
BGS	British Geological Survey, Edinburgh, United Kingdom.
BLA	Virginia Polytechnic Institute and State University, Blacksburg.
BRK	University of California, Berkeley.
BSE	University of Boise, Idaho.
BUT	Montana Bureau of Mines and Geology, Butte.
DOE	U.S. Department of Energy (formerly AEC and ERDA).
ECX	Centro de Investigacion Cientifica y Educacion Superior de Ensenada, Ensenada, Baja California, Mexico.
EXPLO	Some or all parameters of explosion (controlled or accidental) supplied by any group or individual other than DOE or its predecessor organizations.
GEN	Dipartimento di Scienze della Terra, Genova, Italy.
GII	Geophysical Institute of Israel, Holon, Israel.
GLD	U.S. Geological Survey, Golden, Colorado (other than NEIS).
GM	U.S. Geological Survey, Menlo Park, California.
GS	U.S. Geological Survey, National Earthquake Information Service (NEIS), Golden, Colorado.
GUC	Instituto de Geofisica, Universidad de Chile, Santiago, Chile.
HDC	Observatorio Vulcanologico y Sismologico de Costa Rica, Universidad Nacional, Heredia, Costa Rica.
HRV	Harvard University, Cambridge, Massachusetts.
HVO	Hawaiian Volcano Observatory.
ISK	Kandilli Observatory, Bogazici University, Istanbul, Turkey.
JMA	Japan Meteorological Agency, Tokyo (also used to indicate 7-point Japanese Intensity Scale).
LDG	Laboratoire de Detection et de Geophysique, Bruyeres-le-Chatel, France.
MACRO	Hypocenter based upon macroseismic information.
MD	Duration magnitude (shown as DUR prior to 1986).
MDD	Instituto Geografico Nacional, Madrid, Spain.
ME	Energy Magnitude.
MG	Contributed local or regional magnitude of unspecified type (see "Contributed Magnitudes" below).
MPR	University of Puerto Rico, Mayaguez.
MW	Moment Magnitude.
OTT	Geological Survey of Canada, Earth Physics Branch, Ottawa.
PAL	Columbia University, Lamont-Doherty Geological Observatory, Palisades, New York.
PAR	Institute de Physique du Globe, Universite Pierre et Marie Curie, Paris, France.
PAS	California Institute of Technology, Pasadena.
PGC	Pacific Geoscience Centre, Sidney, British Columbia, Canada.
PMR	Alaska Tsunami Warning Center, Palmer.
PPT	Laboratoire de Geophysique, Papeete, French Polynesia.
REN	University of Nevada, Reno.
RF	Rossi-Forel Intensity Scale.
ROM	Istituto Nazionale di Geofisica, Roma, Italy.
SEA	University of Washington, Seattle.
SLC	University of Utah, Salt Lake City.
SLM	St. Louis University, Missouri.
SNM	New Mexico Institute Mining and Technology, Socorro.
SPEC	An NEIS solution based on use of dense local networks, a local crustal model, or other methods not routinely applied in calculating the hypocenter parameters.
STR	Institut de Physique du Globe de Strasbourg, Strasbourg, France.
TEIC	Center for Earthquake Research and Information, Memphis, Tennessee.
TUL	Oklahoma Geological Survey, Leonard.
TVA	Tennessee Valley Authority, Knoxville.
UNM	Universidad Nacional Autonoma de Mexico (UNAM), Distrito Federal, Mexico.
USBR	U. S. Bureau of Reclamation.
UVC	Universidad del Valle, Cali, Colombia.
WES	Weston Observatory, Massachusetts.
Roman Numerals	Used to indicate intensity (when not followed by RF or JMA they refer to the Modified Mercalli Scale or any 12-point intensity scale closely related to it).
` ' "	Geographic degrees, minutes, seconds.
-P	Supplied hypocenter is a preliminary computation.

Any additional 3 to 5 letter codes enclosed in parentheses or angle brackets refer to individual station codes. These codes may be found at the U. S. Geological Survey, National Earthquake Information Center's web page (http://earthquake.usgs.gov/neis/station_book/station_book.html).

Symbols Following Depth

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

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

G Indicates the depth was restrained by a geophysicist.

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

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

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

Symbols Following Origin Time

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

% Indicates a single network solution. A non-furnished hypocenter has been computed using data reported by single network of stations for which the date and/or origin time cannot be confirmed from seismograms available to a NEIS analyst. The geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is less than or equal to 16.0 km.

* Indicates a less reliable solution. In general, the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is greater than 8.5 km and less than or equal to 16.0 km.

? Indicates a poor solution, published for completeness of the catalog. In general, the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is greater than 16.0 km. This includes a poor solution computed using data reported by a single network.

The lack of any symbol indicates that the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is less than or equal to 8.5 km.

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

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

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

TRAVEL-TIME TABLES

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

MACROSEISMIC INFORMATION

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

GEOGRAPHIC REGIONS

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

DEPTHS FROM BROADBAND DISPLACEMENT SEISMOGRAMS

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

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

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

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

BROADBAND FAULT PLANE SOLUTIONS

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

FOCAL MECHANISM MAPS

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

NEIS MAGNITUDES

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

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

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

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

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

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

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

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

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

where:

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

T is the period in seconds.

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

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

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

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

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

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

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

defined by Gutenberg and Richter (1956) except that T, the period in seconds, is restricted to $0.1 \leq T \leq 3.0$ and A, the ground amplitude in micrometers, is not necessarily the maximum in the P group. Q is a function of distance (D) and depth (h) where $D \geq 5°$.

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

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

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

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

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

ML These local magnitudes are computed according to the formula:

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

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

CONTRIBUTED MAGNITUDES

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

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

REFERENCES

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

Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Annali di Geofisica, v. 9, no. 1, p. 1-15.

Kanamori, H., 1977, The energy release in great earthquakes: Journal of Geophysical Research, v. 82, p. 2981-2987.

Nuttli, O. W., 1973, Seismic wave attenuation and magnitude relations for eastern North America: Journal of Geophysical Research, v. 78, no. 5, p. 876-885.

Richter, C. F., 1935, An instrumental earthquake scale: Bulletin of the Seismological Society of America, v. 25, p. 1-32.

USGS RADIATED ENERGY

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

LVD is small. Although all such decompositions are highly non-unique, this particular one is the best in Estimating the starting solution for the non-linear, constrained double couple inverse problem. The strike, dip, and slip angles are defined using the convention of Aki and Richards (1980, p. 106) and are the angles designated there as ϕ_S, δ, λ, respectively.

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

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

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

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

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

OTHER SEISMIC MOMENTS

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

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

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

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

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

attenuation is corrected with the frequency-dependent t* of Choy and Cormier (1986). The focal mechanism used is either the P-wave first-motion solution (F), the USGS moment tensor solution (M) or the Harvard centroid solution (C).

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

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

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

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

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

1. NUMBER OF STATIONS: Number of GDSN stations with distances between approximately 30 and 95 degrees found to have suitable P waveforms. Only long-period vertical components are used.

2. DEPTH: The source depth which gives the smallest normalized mean-squared-error. This is the only hypocentral parameter determined since the inversion procedure is insensitive to small errors in both epicenter and origin time.

3. SCALE: Scale factor for moment tensor elements and eigenvalues.

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

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

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

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

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

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

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

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

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

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

1. DATA USED: currently GDSN, GSN and IDA/IRIS data are used. The numbers following the entries L.P.B. and M.W. indicate the number of stations (S) and total number of records (C) for the long-period body waves and mantle waves, respectively. Mantle waves are routinely used in inversion for sources with moments greater than 5*10**18 Newton-meters (Nm).

2. CENTROID LOCATION: hypocentral parameters obtained by adding perturbations resulting from inversion to the parameters reported in the PDE; standard errors follow the individual entries. If a given parameter is not perturbed in inversion, this is indicated by the letters FIX. If the depth is fixed to be consistent with waveform matching of reconstructed broad-band body waves (Ekstrom, 1989), this is indicated by the letters BDY. The default depth for shallow earthquakes is increased to 15 km. in order to improve the stability of solutions; it was 10 km. In 1981-1985.

3. PRINCIPAL AXES: rotation of the moment tensor, constrained to have zero trace, into the principal axes system. Most of the solutions are predominantly of the double couple type: the largest positive eigenvalue corresponds to the tension axis (T); the usually small, intermediate eigenvalue is associated with the null axis (N); the smallest negative eigenvalue is identified with the compression axis (P). PLG are the plunges and AZM the azimuths of the axes.

4. BEST DOUBLE COUPLE: If the eigenvalue (T) is σ_1 and (P) is $-\sigma_2$, then the scalar seismic moment is defined as $Mo = 1/2(\sigma_1 + \sigma_2)$. The strike, dip and slip of the first (NP1) and second (NP2) nodal planes are calculated from the directions of the P, T, and N axes. The remainder is a linear-vector dipole; in most cases the magnitude of

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Preliminary Determination of Epicenters

Monthly Listing

National Earthquake Information Center

FEBRUARY 1998

ORIGIN TIME UTC DAY	HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDE MB		GS Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00	23	38.0&	44.347	N	7.272	E	12						11	NORTHERN ITALY. <GEN>. ML 2.2 (GEN).
01	00	43	51.2&	43.000	N	0.300	W	2						5	PYRENEES. <LDG>. ML 2.2 (LDG). Felt (II) in the Ossau Valley, France.
01	00	44	18.9*	6.450	S	130.085	E	134	?	3.8			1.0	9	BANDA SEA
01	01	01	43.2*	33.687	S	178.661	W	33	N	4.7			1.0	20	SOUTH OF KERMADEC ISLANDS
01	01	18	09.4*	49.995	S	6.292	W	10	G	4.8	4.3		0.7	16	SOUTHERN MID-ATLANTIC RIDGE
01	02	09	21.9	37.981	N	112.628	W	5	G	3.0			0.9	17	UTAH. ML 3.3 (GS).
01	02	16	57.3	38.020	N	112.634	W	5	G				1.0	18	UTAH. ML 3.2 (GS).
01	02	42	15.0	43.792	N	147.203	E	75	D	4.7			1.0	76	KURIL ISLANDS
01	02	44	59.5*	11.638	N	93.083	E	33	N	4.3			0.9	8	ANDAMAN ISLANDS, INDIA
01	03	05	53.0?	12.06	N	88.04	W	33	N	4.1			1.0	11	OFF COAST OF CENTRAL AMERICA
01	03	16	03.8&	44.290	N	7.336	E	13						9	NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
01	04	23	53.3?	31.97	N	49.94	E	33	N	3.6			0.9	7	WESTERN IRAN
01	04	31	15.4*	4.755	S	152.533	E	100	?	4.4			0.7	23	NEW BRITAIN REGION, P.N.G.
01	04	39	50.6&	47.300	N	3.000	W	2						15	FRANCE. <LDG>. ML 2.9 (LDG).
01	05	02	26.6*	14.840	S	177.458	W	350	G	3.8			1.0	41	FIJI ISLANDS REGION
01	05	12	45.0	83.882	N	2.045	W	10	G	4.6	4.6		0.8	65	NORTH OF SVALBARD
01	06	02	34.4?	5.29	N	125.68	E	33	N	4.0			0.6	11	MINDANAO, PHILIPPINE ISLANDS
01	06	27	01.2	39.874	N	19.698	E	10	G	4.1			1.5	52	GREECE-ALBANIA BORDER REGION
01	06	46	42.0	40.586	N	142.923	E	33	N	4.6	4.2		0.9	72	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in southeastern Aomori Prefecture.
01	08	24	41.5&	63.252	N	150.979	W	12						45	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.0 (PMR).
01	08	36	34.0	21.645	S	68.161	W	135		4.7			0.9	45	CHILE-BOLIVIA BORDER REGION
01	08	53	16.5	37.998	N	112.628	W	5	G	2.9			0.8	19	UTAH. ML 3.0 (GS).
01	09	06	35.6	28.060	N	139.314	E	503	D	4.9			0.8	190	BONIN ISLANDS REGION
01	09	32	00.3?	13.14	N	125.30	E	33	N	4.1			1.0	9	PHILIPPINE ISLANDS REGION
01	09	48	45.9&	38.903	N	26.990	E	5						5	AEGEAN SEA. <ISK>. MD 3.1 (ISK).
01	09	49	17.5&	38.884	N	27.111	E	10	G					8	TURKEY. <ISK>. MD 3.5 (ISK).
01	10	40	56.7*	0.832	S	21.653	W	10	G	4.0			1.3	12	CENTRAL MID-ATLANTIC RIDGE
01	10	50	41.9	22.242	S	171.298	E	108	D	5.3			1.1	61	LOYALTY ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:50:43.2; Lat 22.46 S; Lon 171.40 E; Dep 94.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.03, Plg=41, Azm=312; (N) Val=0.23, Plg=39, Azm=179; (P) Val=-9.26, Plg=26, Azm=66; Best double couple: Mo=9.1*10**16 Nm; NP1: Strike=107, Dip=40, Slip=14; NP2: Strike=6, Dip=81, Slip=129.
01	11	04	34.3	4.540	S	140.396	E	33	N	4.3			1.3	26	IRIAN JAYA, INDONESIA
01	13	29	14.8*	15.118	S	175.400	W	300	G	4.1			0.8	44	TONGA ISLANDS
01	14	19	07.0	37.966	N	112.558	W	5	G				0.8	14	UTAH. ML 3.2 (GS). Double event.
01	15	31	55.8*	52.032	N	171.082	W	33	N	3.2			0.8	7	FOX ISLANDS, ALEUTIAN ISLANDS
01	15	34	31.5*	8.350	S	74.303	W	158	D	3.3			0.8	14	PERU-BRAZIL BORDER REGION
01	16	20	08.4	37.301	N	114.918	W	5	G				0.8	8	SOUTHERN NEVADA. ML 2.9 (GS).
01	16	45	54.4*	13.906	N	91.568	W	33	N	4.3			1.3	29	NEAR COAST OF GUATEMALA. MD 4.6 (UNM).
01	17	09	02.8	11.360	S	165.409	E	33	N	4.7			1.1	70	SANTA CRUZ ISLANDS
01	17	32	48.2	28.190	N	87.122	E	33	N	4.5			1.0	16	XIZANG
01	18	20	36.5*	46.366	N	152.336	E	100	G	4.2			1.3	15	KURIL ISLANDS
01	18	23	09.8*	40.134	N	126.996	W	10	G	3.5			1.1	16	OFF COAST OF NORTHERN CALIFORNIA. ML 3.7 (GS).
01	18	50	16.8?	40.27	N	126.64	W	10	G				1.6	11	OFF COAST OF NORTHERN CALIFORNIA. ML 3.9 (GS).
01	18	56	48.8	36.339	S	72.807	W	33	N	4.3			0.9	36	NEAR COAST OF CENTRAL CHILE. MD 4.5 (GUC). Felt (IV) at Chillan; (III) at Linares, Parral and Talca; (II) at Concepcion, Curico and Talcahuano.
01	19	29	45.9&	34.391	S	70.220	W	8						9	CHILE-ARGENTINA BORDER REGION. <GUC>.
01	21	29	04.3	37.928	N	112.561	W	5	G	3.6			0.9	34	UTAH. ML 3.7 (GS).
01	22	28	26.4?	44.45	N	129.21	W	10	G	3.1			1.4	7	OFF COAST OF OREGON
01	22	41	09.2*	18.491	N	103.004	W	33	N				0.8	14	NEAR COAST OF MICHOACAN, MEXICO. MD 4.1 (UNM).
01	22	53	41.7?	11.97	N	86.83	W	33	N	3.3			0.8	9	NEAR COAST OF NICARAGUA
01	23	42	09.3&	43.380	N	5.460	E	1	G					15	NEAR SOUTH COAST OF FRANCE. <STR>. ML 3.1 (STR). Mining induced event in the Gardanne area.
01	23	53	08.8?	11.85	N	86.92	W	33	N	3.9			1.3	10	NEAR COAST OF NICARAGUA
02	00	32	43.2&	47.500	N	0.800	W	2						11	FRANCE. <LDG>. ML 2.2 (LDG).

02	00	49	05.9	37.944	N	112.572	W	5	G	3.2	0.9	29	UTAH. ML 3.5 (GS).
02	01	03	21.1&	8.691	N	81.447	W	15				8	PANAMA. <UPA>. MD 3.6 (UPA).
02	01	14	04.8&	44.500	N	2.700	E	2				6	FRANCE. <LDG>. ML 2.1 (STR), 1.7 (LDG).
02	02	12	16.0	27.583	S	69.725	W	96	D	4.7	1.2	55	NORTHERN CHILE. Felt (III) at Copiapo, Paipote and Tierra Amarilla; (II) at Vallenar.
02	02	32	51.6*	11.545	S	118.085	E	33	N	3.3	1.0	6	SOUTH OF SUMBAWA, INDONESIA
02	03	39	58.9*	23.847	S	179.829	E	600	G	4.2	1.0	17	SOUTH OF FIJI ISLANDS
02	04	09	16.2	45.978	N	15.127	E	10	G		0.2	6	NORTHWESTERN BALKAN REGION. ML 2.3 (VIE), 1.8 (LJU).
02	04	15	17.9&	33.645	S	70.165	W	118				13	CHILE-ARGENTINA BORDER REGION. <GUC>.
02	04	18	28.6&	57.940	N	156.150	W	118				49	ALASKA PENINSULA. <AEIC>.
02	04	38	39.4*	6.064	S	149.476	E	67	*	4.8	1.0	32	NEW BRITAIN REGION, P.N.G.
02	04	41	57.9&	36.430	N	3.140	W	0				8	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.2 (MDD).
02	06	15	10.9*	51.311	N	175.335	W	33	N	4.3 4.2	1.4	25	ANDREANOF ISLANDS, ALEUTIAN IS.
02	06	27	00.8*	29.237	N	68.530	E	10	G	3.7	0.9	7	PAKISTAN
02	08	01	33.7&	43.800	N	7.600	E	2				6	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 1.9 (LDG).
02	09	12	49.2&	45.700	N	2.600	E	11				13	FRANCE. <LDG>. ML 2.6 (LDG), 2.3 (STR).
02	09	36	20.8*	54.642	N	161.492	E	33	N	3.5	1.0	13	NEAR EAST COAST OF KAMCHATKA
02	11	20	14.8*	51.695	N	173.615	W	33	N		0.8	9	ANDREANOF ISLANDS, ALEUTIAN IS.
02	11	57	29.0&	59.880	N	153.500	W	137		2.7		98	SOUTHERN ALASKA. <AEIC>.
02	12	46	19.8*	11.326	S	122.352	E	33	N	4.1	1.5	8	SOUTH OF TIMOR, INDONESIA
02	12	58	36.1&	32.453	S	71.836	W	15				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
02	13	10	31.0?	25.53	S	178.87	E	600	G	4.5	0.9	14	SOUTH OF FIJI ISLANDS
02	13	21	36.1&	9.145	N	83.758	W	1				12	COSTA RICA. <UPA>. MD 4.5 (UPA).
02	13	37	05.6	46.080	N	14.758	E	10	G		0.4	6	NORTHWESTERN BALKAN REGION. ML 1.5 (LJU).
02	14	21	27.7	4.961	N	74.569	W	45		4.2	0.8	13	COLOMBIA
02	14	39	58.4	51.512	N	14.406	E	5	G		1.0	8	GERMANY
02	17	35	28.9&	44.243	N	7.394	E	10				9	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
02	17	36	25.8&	44.266	N	7.332	E	16				8	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
02	19	42	12.2	28.717	S	72.776	W	33	N		0.6	21	OFF COAST OF CENTRAL CHILE
02	20	56	11.4&	44.339	N	7.299	E	12				30	NORTHERN ITALY. <GEN>. ML 2.4 (GEN), 2.1 (LDG), 2.0 (STR).
02	21	10	57.1&	38.800	N	122.768	W	3				8	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.3 (BRK).
02	21	12	43.6&	33.578	S	71.984	W	15				13	NEAR COAST OF CENTRAL CHILE. <GUC>.
02	21	34	19.7&	33.577	S	71.924	W	8				13	NEAR COAST OF CENTRAL CHILE. <GUC>.
02	21	49	31.8&	58.700	N	153.910	W	78				46	KODIAK ISLAND REGION. <AEIC>.
02	22	13	24.0&	36.740	N	2.270	W	9				5	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.8 (MDD).
02	22	50	38.1*	37.055	N	21.079	E	10	G		0.8	13	SOUTHERN GREECE
02	22	57	20.1?	8.99	N	79.51	W	33	N		0.9	4	PANAMA. MD 2.6 (UPA).
02	23	05	04.8?	51.00	N	15.73	E	5	G		0.7	4	POLAND
03	00	19	33.3&	8.431	N	82.782	W	16				6	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.3 (UPA).
03	01	13	27.1&	8.855	N	80.617	W	15				8	PANAMA. <UPA>. MD 3.7 (UPA).
03	02	09	14.6*	0.030	N	16.610	W	10	G	4.5 4.0	1.3	25	NORTH OF ASCENSION ISLAND
03	02	12	13.2	32.186	S	69.850	W	125	*		0.7	18	MENDOZA PROVINCE, ARGENTINA. MD 4.3 (GUC).
03	02	20	28.6?	45.52	N	148.85	E	33	N	4.1	0.8	6	KURIL ISLANDS
03	03	02	00.2	15.883	N	96.298	W	33	N	6.0 6.2	1.0	430	NEAR COAST OF OAXACA, MEXICO. Mw 6.4 (GS), 6.3 (HRV). Me 6.2 (GS). MD 6.4 (UNM). Ms 6.1 (BRK). Moderate damage at San Agustin, San Francisco and Santa Maria Huatulco. Minor damage at Bahias de Huatulco, Oaxaca City, Puerto Angel and Puerto Escondido. Landslides occurred on the highway between San Pedro Pochulta and Santa Maria Tonameca. Felt in much of southern Mexico, including Mexico City. Broadband Source Parameters (GS): Dep 24; NP1: Strike=310, Dip=63, Slip=120; NP2: Strike=78, Dip=39, Slip=46; Radiated energy 3.9*10**13 Nm. Two events about 3 seconds apart. Depth based on first event. Moment Tensor (GS): Dep 28; Principal axes (scale 10**18 Nm): (T) Val=3.87, Plg=57, Azm=261; (N) Val=0.26, Plg=32, Azm=95; (P) Val=-4.13, Plg=7, Azm=1; Best double couple: Mo=4.0*10**18 Nm; NP1: Strike=60, Dip=48, Slip=44; NP2: Strike=297, Dip=59, Slip=128. Centroid, Moment Tensor (HRV): Centroid origin time 03:02:04.7; Lat 15.92 N; Lon 96.22 W; Dep 24.0 Bdy; Half-duration 3.7 sec; Principal axes (scale 10**18 Nm): (T) Val=3.75, Plg=80, Azm=301; (N) Val=-0.07, Plg=10, Azm=97; (P) Val=-3.68, Plg=4, Azm=188; Best double couple: Mo=3.7*10**18 Nm; NP1: Strike=288, Dip=42, Slip=104; NP2: Strike=89, Dip=50, Slip=78. Scalar Moment (PPT): Mo=5.0*10**18 Nm.
03	03	10	33.8&	8.904	N	79.427	W	20				6	PANAMA. <UPA>. MD 2.8 (UPA).
03	03	12	57.8&	37.044	N	30.637	E	10	G			4	TURKEY. <ISK>. MD 3.3 (ISK).
03	03	13	37.5	15.722	N	96.329	W	33	N	4.2	1.0	22	NEAR COAST OF OAXACA, MEXICO. MD 4.3 (UNM).
03	03	20	17.8?	15.76	N	96.25	W	33	N	3.7	1.2	12	NEAR COAST OF OAXACA, MEXICO
03	03	34	46.9&	44.350	N	6.460	E	2				16	FRANCE. <LDG>. ML 1.8 (STR), 1.6 (LDG).
03	03	43	20.2*	16.129	N	95.693	W	33	N		1.1	20	OAXACA, MEXICO. MD 4.3 (UNM).
03	03	55	16.0?	45.54	N	150.68	E	33	N		1.1	7	KURIL ISLANDS
03	03	55	17.0&	36.250	N	3.840	W	0	G			7	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.4 (MDD).
03	04	37	39.6&	39.096	N	29.104	E	5				8	TURKEY. <ISK>. MD 2.9 (ISK).
03	04	46	59.8&	9.264	N	78.583	W	60				7	PANAMA. <UPA>. MD 3.4 (UPA).
03	05	11	05.2&	36.600	N	3.450	W	5				12	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.2 (MDD).
03	05	33	08.1*	0.024	N	122.034	E	220	*	4.5	0.8	16	MINAHASSA PENINSULA, SULAWESI
03	07	17	52.3	15.916	N	96.372	W	33	N	4.9 4.2	1.2	104	NEAR COAST OF OAXACA, MEXICO. MD 4.7 (UNM).
03	07	53	01.3	15.677	S	174.903	W	250	G	4.4	1.1	60	TONGA ISLANDS
03	08	31	23.4?	36.75	N	71.50	E	266	?	3.2	0.1	5	AFGHANISTAN-TAJIKISTAN BORD REG.
03	09	05	57.2	51.532	N	178.861	E	43	D	4.7	1.3	45	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.1 (PMR).
03	10	21	04.6*	51.387	N	16.165	E	5	G		1.1	10	POLAND. ML 3.5 (VIE), 3.3 (WAR).
03	11	05	32.8&	38.808	N	122.768	W	4				13	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.4 (BRK).
03	11	57	05.5&	60.190	N	153.300	W	149				105	SOUTHERN ALASKA. <AEIC>.
03	12	44	17.4	38.000	N	112.668	W	5	G		1.1	12	UTAH. ML 3.2 (GS).
03	13	13	45.8*	0.169	N	100.613	E	200	G	4.2	1.2	19	NORTHERN SUMATERA, INDONESIA
03	13	16	28.7*	15.798	N	96.304	W	33	N	4.3	1.5	28	NEAR COAST OF OAXACA, MEXICO. MD 4.5 (UNM).
03	13	33	51.0	31.054	N	41.459	W	10	G	4.3	1.0	24	NORTHERN MID-ATLANTIC RIDGE
03	14	10	45.6*	6.691	S	131.326	E	33	N	4.1	1.4	11	TANIMBAR ISLANDS REG., INDONESIA
03	14	35	53.9&	62.310	N	149.680	W	54				42	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
03	15	23	59.3?	31.49	S	69.11	W	100	G		1.0	11	SAN JUAN PROVINCE, ARGENTINA

03	15	43	03.5&	43.170	N	7.010	E	10	G			15	NEAR SOUTH COAST OF FRANCE. <STR>. ML 2.8 (STR).
03	15	54	46.5*	48.869	N	10.605	E	10	G		1.0	6	GERMANY. ML 2.5 (VIE).
03	16	10	00.5&	17.960	N	66.310	W	19				4	PUERTO RICO REGION. <MPR>. MD 2.1 (MPR).
03	16	43	14.1&	55.380	N	159.870	W	66				31	ALASKA PENINSULA. <AEIC>. ML 3.8 (AEIC).
03	16	45	34.1&	34.111	N	116.915	W	7				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.5 (GS). Felt at Highland.
03	17	35	00.4&	37.260	N	2.470	W	0				8	SPAIN. <MDD>. mbLg 2.8 (MDD).
03	17	40	56.2*	11.192	S	118.158	E	33	N	3.9	1.0	8	SOUTH OF SUMBAWA, INDONESIA
03	18	08	22.0&	43.000	N	0.200	W	2				31	PYRENEES. <LDG>. ML 3.7 (STR), 3.2 (LDG). mbLg 2.9 (MDD). Felt (III) in the Bearn and Bigorre regions, France.
03	18	27	32.5&	44.077	N	10.573	E	12				36	NORTHERN ITALY. <GEN>. ML 3.2 (STR), 2.9 (GEN), 2.9 (LDG), 2.8 (VIE).
03	18	39	05.1	19.969	S	68.892	W	129		4.8	1.0	28	CHILE-BOLIVIA BORDER REGION
03	20	15	06.8?	49.95	S	111.44	E	10	G	3.8	1.3	10	SOUTHEAST INDIAN RIDGE
03	20	38	06.4&	38.470	N	1.220	W	0	G			4	SPAIN. <MDD>. mbLg 2.3 (MDD).
03	21	01	26.1?	50.53	N	156.90	E	33	N	3.4	0.8	6	KURIL ISLANDS
03	22	13	30.3&	42.900	N	0.300	W	2				5	PYRENEES. <LDG>. ML 2.0 (LDG).
03	22	26	21.8&	62.710	N	149.800	W	82				48	CENTRAL ALASKA. <AEIC>.
03	22	44	29.5*	21.248	N	146.452	E	33	N	4.2	0.8	16	MARIANA ISLANDS REGION
03	22	57	24.3?	11.93	N	86.86	W	33	N	4.4	1.0	16	NEAR COAST OF NICARAGUA
03	23	31	31.1	21.259	N	146.129	E	33	N	4.8 4.2	1.0	57	MARIANA ISLANDS REGION
03	23	38	39.1&	43.703	N	8.499	E	16				78	CORSICA. <GEN>. ML 3.6 (STR), 3.5 (LDG), 3.4 (GEN).
03	23	45	13.4&	45.812	N	120.200	W	17				41	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 3.1 (SEA).
04	00	08	49.2*	14.699	N	143.265	E	33	N	4.0	1.2	12	MARIANA ISLANDS REGION
04	00	34	44.7&	42.880	N	0.230	W	1				18	PYRENEES. <MDD>. ML 2.8 (LDG). mbLg 2.5 (MDD).
04	00	36	05.2&	42.800	N	0.300	W	2				9	PYRENEES. <LDG>. ML 2.8 (LDG). mbLg 2.5 (MDD). Felt (II) at Cauterets, France.
04	00	42	26.1*	43.185	N	84.970	E	33	N	3.9	0.4	8	NORTHERN XINJIANG, CHINA
04	01	10	09.8&	61.205	N	139.222	W	10	G			32	SOUTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 3.4 (PGC), 2.8 (AEIC).
04	01	22	06.6*	49.803	N	99.650	E	33	N	4.3	1.2	9	MONGOLIA
04	01	28	08.3	21.246	N	146.175	E	33	N	4.7 4.3	1.2	42	MARIANA ISLANDS REGION
04	02	15	44.6&	18.410	N	68.140	W	84				6	MONA PASSAGE. <MPR>. MD 3.0 (MPR).
04	02	16	15.6&	38.787	N	122.782	W	3				8	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM).
04	02	18	15.5*	41.327	N	23.862	E	10	G		1.6	11	GREECE-BULGARIA BORDER REGION
04	02	31	21.6?	51.28	N	175.95	W	33	N		0.7	6	ANDREANOF ISLANDS, ALEUTIAN IS.
04	02	40	38.8?	21.20	N	146.30	E	33	N	3.5	1.3	7	MARIANA ISLANDS REGION
04	02	50	15.5&	38.838	N	122.882	W	3				5	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
04	02	58	54.9	7.931	S	158.385	E	76	*	4.8	1.0	52	SOLOMON ISLANDS
04	03	17	28.0?	8.04	S	128.95	E	114	?	4.1	1.0	8	TIMOR SEA
04	03	25	16.7&	8.528	N	82.811	W	0				14	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.5 (UPA).
04	03	44	51.4&	38.919	N	27.760	E	5				7	TURKEY. <ISK>. MD 3.3 (ISK).
04	04	03	53.7	38.832	N	25.878	E	10	G	3.3	0.6	25	AEGEAN SEA. MD 3.8 (ISK).
04	04	25	45.1*	8.340	N	83.181	W	5	G		1.2	13	COSTA RICA. MD 4.4 (UPA).
04	05	12	38.4*	52.751	N	168.876	W	33	N	3.2	0.8	10	FOX ISLANDS, ALEUTIAN ISLANDS
04	05	51	15.0*	2.546	N	128.897	E	33	N	4.1	1.0	16	HALMAHERA, INDONESIA
04	06	19	22.5&	37.530	N	2.290	W	1				5	SPAIN. <MDD>. mbLg 2.0 (MDD).
04	06	40	07.3?	15.35	N	95.42	W	33	N	3.8	0.9	8	NEAR COAST OF OAXACA, MEXICO
04	07	20	15.2*	29.476	N	105.869	E	33	N	3.7	1.1	9	SICHUAN, CHINA
04	08	10	09.2&	60.740	N	146.430	W	21				83	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.5 (PMR).
04	08	30	30.3&	33.570	S	72.844	W	26				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
04	08	54	40.4&	36.910	N	3.860	W	54				4	STRAIT OF GIBRALTAR. <MDD>.
04	09	14	01.6&	31.240	S	71.630	W	36				10	NEAR COAST OF CENTRAL CHILE. <GUC>.
04	10	00	00.9*	8.326	N	83.151	W	10	G	3.7	1.1	10	COSTA RICA. MD 4.1 (UPA).
04	11	34	35.0	41.933	N	142.195	E	79	D	4.8	0.9	87	HOKKAIDO, JAPAN REGION. Felt (III JMA) in southern Hokkaido. Also felt (I JMA) in eastern Aomori Prefecture, Honshu.
04	13	07	33.1*	50.350	N	7.285	E	5	G		0.8	6	GERMANY. ML 2.2 (DBN), 2.2 (STR).
04	13	18	47.2	15.296	S	167.475	E	115	D	5.0	1.2	153	VANUATU ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:18:54.9; Lat 15.22 S; Lon 166.88 E; Dep 118.3; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=0.91, Plg=55, Azm=166; (N) Val=0.09, Plg=31, Azm=18; (P) Val=-1.00, Plg=15, Azm=279; Best double couple: Mo=9.6*10**16 Nm; NP1: Strike=333, Dip=40, Slip=38; NP2: Strike=213, Dip=67, Slip=124.
04	13	25	32.2?	14.20	N	90.62	W	100	G	3.5	0.5	8	GUATEMALA
04	13	38	26.3&	40.442	N	29.203	E	9				6	TURKEY. <ISK>. MD 2.7 (ISK).
04	13	46	36.0	37.118	N	20.871	E	33	N	4.1	1.1	23	IONIAN SEA
04	13	59	41.9*	33.137	N	139.462	E	148	*	3.8	1.0	18	SOUTH OF HONSHU, JAPAN
04	14	01	47.7*	15.719	N	96.312	W	10		4.2	1.3	37	NEAR COAST OF OAXACA, MEXICO. MD 4.4 (UNM).
04	14	05	26.5	21.268	N	146.411	E	33	N	4.1	0.8	21	MARIANA ISLANDS REGION
04	14	07	06.8&	45.558	N	14.583	E	10				83	NORTHWESTERN BALKAN REGION. <ROM>. ML 4.0 (VIE), 4.0 (ZAG), 3.9 (STR), 3.8 (LDG), 3.4 (LJU). MD 3.5 (ROM). Felt at Opatija and Matulji, Croatia.
04	14	25	43.0	45.539	N	14.514	E	10	G		1.1	18	NORTHWESTERN BALKAN REGION. ML 3.3 (ZAG), 3.2 (VIE), 2.8 (LJU). Felt at Opatija, Croatia.
04	14	33	21.2	37.075	N	70.089	E	33	N	5.6 6.1	1.0	300	AFGHANISTAN-TAJIKISTAN BORD REG. Mw 5.9 (GS), 5.9 (HRV), 5.8 (OBN). At least 2,323 people killed, 818 injured, 8,094 houses destroyed, 6,725 livestock killed and landslides in the Rostaq area, Afghanistan. Felt (III) at Dushanbe, Tajikistan and (II) at Toshkent, Uzbekistan. Moment Tensor (GS): Dep 17; Principal axes (scale 10**17 Nm): (T) Val=8.25, Plg=8, Azm=84; (N) Val=0.84, Plg=78, Azm=215; (P) Val=-9.10, Plg=9, Azm=353; Best double couple: Mo=8.7*10**17 Nm; NP1: Strike=128, Dip=78, Slip=-179; NP2: Strike=38, Dip=89, Slip=-12. Centroid, Moment Tensor (HRV): Centroid origin time 14:33:22.8; Lat 37.13 N; Lon 69.92 E; Dep 33.8; Half-duration 2.3 sec; Principal axes (scale 10**17 Nm): (T) Val=7.82, Plg=8, Azm=75; (N) Val=1.08, Plg=76, Azm=308; (P) Val=-8.90, Plg=11, Azm=167; Best double couple: Mo=8.4*10**17 Nm; NP1: Strike=211, Dip=76, Slip=-2; NP2:

Strike=301, Dip=88, Slip=-166.
Moment Tensor (OBN); Principal axes: (T) Plg=20, Azm=112; (N) Plg=64, Azm=333; (P) Plg=16, Azm=208; Best double couple: Mo=6.0*10**17 Nm; NP1: Strike=251, Dip=64, Slip=3
NP2: Strike=159, Dip=87, Slip=154.

04	16	03	30.1*	20.316	S	177.749	W	507	?	4.4	0.9	60	FIJI ISLANDS REGION
04	16	15	05.3*	45.429	N	14.433	E	10	G		0.0	5	NORTHWESTERN BALKAN REGION. ML 1.7 (LJU).
04	16	22	21.3&	38.893	N	27.832	E	10				12	TURKEY. <ISK>. MD 3.4 (ISK).
04	17	13	00.2*	4.011	S	138.736	E	100	G	3.7	0.4	8	IRIAN JAYA, INDONESIA
04	17	14	04.1*	51.012	N	15.861	E	5	G		1.5	8	POLAND. ML 3.2 (VIE), 3.0 (WAR).
04	18	08	09.7&	60.280	N	151.240	W	44				83	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC), 3.3 (PMR).
04	18	25	50.5*	41.120	N	25.035	E	10	G		1.5	8	GREECE-BULGARIA BORDER REGION
04	18	36	53.8?	45.45	N	14.46	E	10	G		0.3	4	NORTHWESTERN BALKAN REGION. ML 1.6 (LJU).
04	19	14	53.1?	8.19	S	158.43	E	87	?	3.8	0.4	8	SOLOMON ISLANDS
04	19	35	41.7	38.000	N	112.621	W	5	G		0.7	10	UTAH. ML 3.2 (GS).
04	19	43	41.9?	21.30	N	146.24	E	33	N	3.6	0.8	6	MARIANA ISLANDS REGION
04	19	52	38.4&	39.066	N	27.500	E	10				7	TURKEY. <ISK>. MD 3.0 (ISK).
04	20	03	51.2&	39.046	N	27.643	E	10	G			7	TURKEY. <ISK>. MD 3.1 (ISK).
04	20	55	12.2?	20.74	N	144.87	E	33	N	3.6	0.8	7	MARIANA ISLANDS
04	22	32	16.1?	18.28	N	145.72	E	237	*	3.6	0.7	9	MARIANA ISLANDS
04	22	48	51.3*	10.160	N	126.039	E	71	D	4.0	0.9	12	PHILIPPINE ISLANDS REGION
04	22	55	16.2	34.885	N	82.433	E	33	N	4.0	1.1	19	XIZANG
04	23	00	58.8&	18.300	N	67.560	W	16				8	MONA PASSAGE. <MPR>. MD 3.6 (MPR).
04	23	28	04.4	25.514	N	123.197	E	226	*	4.0	0.7	20	NORTHEAST OF TAIWAN
04	23	30	58.1*	43.113	N	47.695	E	33	N	4.4	0.9	13	EASTERN CAUCASUS. Felt (III) at Kaspiysk and Makhachkala, Russia.
04	23	32	25.9?	7.62	S	78.88	W	33	N	4.4	0.8	8	NORTHERN PERU
04	23	51	35.8	37.978	N	112.602	W	5	G		0.6	12	UTAH. ML 3.1 (GS).
05	00	24	39.3&	18.047	N	100.564	W	10				13	GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
05	00	28	12.6?	5.44	S	68.36	E	10	G		0.9	8	CHAGOS ARCHIPELAGO REGION
05	00	46	25.0?	3.78	S	138.95	E	33	N	3.3	0.9	6	IRIAN JAYA, INDONESIA
05	00	54	09.3	4.831	S	152.532	E	33	N	4.6	0.7	33	NEW BRITAIN REGION, P.N.G.
05	00	55	24.1	46.388	N	15.079	E	10	G		0.2	6	NORTHWESTERN BALKAN REGION. ML 1.6 (VIE).
05	01	51	03.8&	63.910	N	149.010	W	7		2.8		33	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.2 (PMR).
05	02	00	16.5&	39.002	N	27.649	E	8				5	TURKEY. <ISK>. MD 2.8 (ISK).
05	02	59	19.3*	41.252	N	20.056	E	10	G		0.0	5	ALBANIA
05	03	19	18.1*	18.279	S	168.336	E	33	N	4.2	1.1	13	VANUATU ISLANDS
05	03	53	36.1?	26.04	S	71.83	W	33	N	4.4	1.4	8	OFF COAST OF NORTHERN CHILE
05	04	21	49.1&	51.470	N	8.100	E	10	G			7	GERMANY. <STR>. ML 2.6 (STR), 2.4 (DBN).
05	04	26	39.2*	63.702	N	155.578	W	33	N		1.2	6	CENTRAL ALASKA. ML 3.3 (PMR).
05	05	14	01.2*	64.647	S	176.191	E	10	G		0.2	6	BALLENY ISLANDS REGION
05	05	19	56.6&	39.751	N	110.846	W	1		3.6		28	UTAH. <SLC-P>. ML 3.7 (SLC). Felt at Helper and Martin.
05	05	48	39.8*	26.137	S	70.712	W	100	G	4.4	1.4	13	NEAR COAST OF NORTHERN CHILE
05	06	15	24.4*	6.878	N	127.219	E	33	N	4.3	1.5	13	PHILIPPINE ISLANDS REGION
05	06	18	49.9&	33.639	S	70.855	W	77				13	CHILE-ARGENTINA BORDER REGION. <GUC>.
05	06	26	43.7&	16.071	N	98.084	W	5				20	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.3 (UNM).
05	06	35	12.7*	45.820	N	142.961	E	33	N	4.3	1.4	14	HOKKAIDO, JAPAN REGION
05	06	36	41.8?	23.40	N	94.77	E	100	?	4.1	0.5	7	MYANMAR-INDIA BORDER REGION
05	06	48	16.6*	51.054	N	156.384	E	200	G	4.5	0.7	15	KAMCHATKA
05	06	57	20.8&	62.180	N	149.360	W	47				77	CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC), 3.4 (PMR).
05	07	05	48.7&	18.877	N	99.718	W	16				4	GUERRERO, MEXICO. <UNM>. MD 3.3 (UNM).
05	07	30	58.9&	38.902	N	27.826	E	10	G			5	TURKEY. <ISK>. MD 2.8 (ISK).
05	08	08	22.1&	46.412	N	14.985	E	10	G		0.3	7	NORTHWESTERN BALKAN REGION. ML 2.1 (LJU).
05	08	11	43.6	33.584	S	179.423	W	33	N	4.8	1.2	56	SOUTH OF KERMADEC ISLANDS
05	08	58	55.2&	60.740	N	151.890	W	84		2.6		78	KENAI PENINSULA, ALASKA. <AEIC>.
05	09	31	22.5?	14.83	S	173.66	W	33	N	4.1	0.8	12	SAMOA ISLANDS REGION
05	09	44	47.5	51.839	N	155.826	E	232	*	4.3	0.8	49	NORTHWEST OF KURIL ISLANDS
05	10	48	46.6	43.217	N	145.860	E	53	D	5.0 4.4	0.9	137	HOKKAIDO, JAPAN REGION. Mw 5.1 (HRV). Felt (III JMA) in eastern Hokkaido and (V) at Yuzhno-Kurilsk, Kunashir. Centroid, Moment Tensor (HRV): Centroid origin time 10:48:46.1; Lat 42.89 N; Lon 146.09 E; Dep 59.5; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=5.66, Plg=43, Azm=168; (N) Val=0.57, Plg=33, Azm=40; (P) Val=-6.24, Plg=29, Azm=289; Best double couple: Mo=5.9*10**16 Nm; NP1: Strike=328, Dip=34, Slip=15; NP2: Strike=226, Dip=82, Slip=123.
05	11	14	16.8?	36.52	N	71.34	E	100	G	3.7	1.5	8	AFGHANISTAN-TAJIKISTAN BORD REG.
05	11	28	15.3?	56.12	S	27.03	W	100	G		0.9	9	SOUTH SANDWICH ISLANDS REGION
05	11	55	57.8	7.506	S	129.067	E	150	G	4.3	1.2	23	BANDA SEA
05	11	57	31.4*	37.368	N	70.049	E	33	N	4.0	0.9	13	AFGHANISTAN-TAJIKISTAN BORD REG.
05	12	00	48.7&	8.548	N	82.745	W	0				10	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.2 (UPA).
05	12	01	05.2	51.241	N	178.277	W	33	N	4.6 4.2	1.0	59	ANDREANOF ISLANDS, ALEUTIAN IS.
05	12	06	08.6?	14.59	N	90.64	W	114	?		1.1	10	GUATEMALA
05	12	11	48.2&	31.631	S	70.037	W	140				12	CHILE-ARGENTINA BORDER REGION. <GUC>.
05	12	40	26.3*	8.492	S	104.972	E	33	N	4.0	1.0	19	SOUTHWEST OF SUMATERA, INDONESIA
05	13	59	18.9	41.194	N	142.307	E	66	D	3.6	0.9	21	HOKKAIDO, JAPAN REGION
05	14	08	54.9*	37.084	N	69.989	E	73	?	3.6	1.1	12	AFGHANISTAN-TAJIKISTAN BORD REG.
05	14	20	45.3?	13.35	N	88.70	W	100	G	4.1	1.4	7	EL SALVADOR
05	14	27	12.5&	63.230	N	150.730	W	139				43	CENTRAL ALASKA. <AEIC>.
05	14	30	36.1*	26.557	S	69.836	W	150	G		1.2	7	NORTHERN CHILE
05	14	43	47.1&	44.900	N	6.617	E	9				7	FRANCE. <GEN>. ML 2.1 (GEN).
05	15	40	04.4*	53.843	N	167.278	W	100	G		1.0	9	FOX ISLANDS, ALEUTIAN ISLANDS
05	16	08	21.9*	33.978	N	25.472	E	33	N	3.5	0.8	8	EASTERN MEDITERRANEAN SEA
05	16	23	01.3*	17.997	S	172.701	W	33	N	4.5	1.0	27	TONGA ISLANDS REGION
05	16	49	36.9*	7.153	S	148.103	E	69	?	4.7	1.3	28	EASTERN NEW GUINEA REG., P.N.G.
05	17	02	28.7	45.683	N	14.206	E	10	G		0.7	17	NORTHWESTERN BALKAN REGION. ML 2.7 (VIE), 2.6 (LJU).
05	17	05	34.9	18.134	S	178.311	W	500	G	4.3	0.9	41	FIJI ISLANDS REGION
05	17	19	36.6*	15.847	N	96.029	E	33	N		1.0	14	NEAR SOUTH COAST OF MYANMAR
05	17	35	34.2&	44.347	N	7.305	E	11				4	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
05	18	30	28.3	27.330	S	71.683	W	33	N	4.6	1.4	30	NEAR COAST OF NORTHERN CHILE
05	18	33	08.1&	58.340	N	138.530	W	10		4.3		99	SOUTHEASTERN ALASKA. <AEIC>. ML 4.6 (AEIC), 5.1 (PGC).
05	18	39	35.1*	23.260	S	68.849	W	100	G	3.8	1.1	12	NORTHERN CHILE
05	18	47	37.2*	6.786	S	154.167	E	33	N	3.9	1.0	11	SOLOMON ISLANDS

05	19	07	31.7*	11.443	N	138.987	E	33	N	4.4	1.1	19	WESTERN CAROLINE ISLANDS
05	19	23	57.4?	27.79	S	66.76	E	10	G	4.2	0.8	7	SOUTH INDIAN OCEAN
05	20	23	34.6&	42.601	N	142.441	E	33	N		1.2	10	HOKKAIDO, JAPAN REGION
05	20	23	44.3&	60.050	N	153.100	W	117				53	SOUTHERN ALASKA. <AEIC>.
05	21	35	33.1?	33.34	S	179.34	W	33	N	4.4	0.8	9	SOUTH OF KERMADEC ISLANDS
05	21	40	14.3	7.563	S	120.115	E	407		4.5	1.1	46	FLORES SEA
05	22	24	17.8&	37.640	N	118.983	W	8				16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
05	22	43	30.7&	43.100	N	11.000	E	2				8	CENTRAL ITALY. <LDG>. ML 2.3 (LDG).
05	22	54	03.8?	16.92	S	71.87	W	82	D		1.7	9	SOUTHERN PERU
06	00	31	15.0&	40.310	N	124.410	W	18				5	NEAR COAST OF NORTHERN CALIF. <GM-P>. ML 3.2 (GM), 3.2 (BRK).
06	00	44	03.0&	60.280	N	151.370	W	51				73	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
06	00	55	57.1&	35.860	N	3.620	W	0				25	STRAIT OF GIBRALTAR. <MDD>. mbLg 3.0 (MDD).
06	01	05	11.5	44.284	N	149.516	E	33	N	5.1 4.8	1.0	131	KURIL ISLANDS. Mw 5.2 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 01:05:12.0; Lat 44.34 N; Lon 150.09 E; Dep 31.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.00, Plg=65, Azm=290; (N) Val=0.32, Plg=10, Azm=41; (P) Val=-7.32, Plg=23, Azm=135; Best double couple: Mo=7.2*10**16 Nm; NP1: Strike=244, Dip=23, Slip=115; NP2: Strike=37, Dip=69, Slip=80.
06	02	05	26.0?	4.81	S	105.11	W	10	G	4.6	0.9	23	CENTRAL EAST PACIFIC RISE
06	02	36	09.9	39.857	N	53.848	E	33	D	4.2	0.8	29	TURKMENISTAN
06	02	52	47.3&	9.466	N	79.245	W	11				6	PANAMA. <UPA>. MD 3.0 (UPA).
06	02	59	52.1*	36.322	N	70.817	E	200	G	3.5	0.7	9	HINDU KUSH REGION, AFGHANISTAN
06	03	13	52.4&	30.859	S	71.913	W	31				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
06	03	49	41.9&	39.130	N	29.148	E	7				10	TURKEY. <ISK>. MD 3.3 (ISK).
06	04	16	12.7&	35.740	N	3.530	W	0				11	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.8 (MDD).
06	04	32	20.4&	44.333	N	7.157	E	8				8	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
06	04	33	00.9&	44.900	N	6.600	E	2				7	FRANCE. <LDG>. ML 1.8 (LDG).
06	04	33	51.1?	39.33	N	80.96	E	33	N	4.0	0.8	8	SOUTHERN XINJIANG, CHINA
06	05	07	47.9&	45.419	N	14.382	E	10	G		0.9	5	NORTHWESTERN BALKAN REGION. ML 1.4 (LJU).
06	05	17	51.5*	54.143	N	161.388	E	54	D	4.1	1.1	18	NEAR EAST COAST OF KAMCHATKA
06	05	39	49.1*	33.416	N	141.239	E	33	N	4.1	1.2	24	OFF EAST COAST OF HONSHU, JAPAN
06	05	47	25.1?	45.38	N	14.38	E	10	G		1.0	4	NORTHWESTERN BALKAN REGION. ML 1.6 (LJU).
06	05	51	14.7&	9.229	N	79.017	W	64				6	PANAMA. <UPA>. MD 3.2 (UPA).
06	06	10	48.0&	31.194	S	118.389	E	10	G		0.6	6	WESTERN AUSTRALIA
06	06	29	17.8*	39.497	N	75.433	E	33	N	3.4	0.7	7	SOUTHERN XINJIANG, CHINA
06	06	37	13.7	22.668	S	70.132	W	58	D	5.3 4.8	1.1	133	NEAR COAST OF NORTHERN CHILE. Mw 5.5 (GS), 5.5 (HRV). Felt (V) at Calama, Chuquicamata, Maria Elena, Mejillones, San Pedro de Atacama and Tocopilla; (IV) at Antofagasta; (II) at Baquedano and Taltal.
													Moment Tensor (GS): Dep 45; Principal axes (scale 10**17 Nm): (T) Val=2.10, Plg=18, Azm=97; (N) Val=-0.06, Plg=0, Azm=187; (P) Val=-2.04, Plg=72, Azm=278; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=187, Dip=28, Slip=-90; NP2: Strike=7, Dip=63, Slip=-90.
													Centroid, Moment Tensor (HRV): Centroid origin time 06:37:19.8; Lat 22.41 S; Lon 70.76 W; Dep 85.0; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.33, Plg=13, Azm=88; (N) Val=-0.73, Plg=56, Azm=198; (P) Val=-1.60, Plg=31, Azm=350; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=133, Dip=58, Slip=-166; NP2: Strike=36, Dip=78, Slip=-33.
06	06	39	32.2?	20.31	S	178.78	W	450	G	3.6	0.8	15	FIJI ISLANDS REGION
06	07	22	20.4&	44.600	N	6.400	E	11				7	FRANCE. <LDG>. ML 1.8 (LDG).
06	07	52	36.7?	27.02	S	26.94	E	5	G		1.3	7	REPUBLIC OF SOUTH AFRICA
06	08	08	32.1?	49.52	S	125.32	E	10	G	3.5	1.2	6	SOUTH OF AUSTRALIA
06	08	27	09.4&	32.470	S	71.669	W	23				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
06	08	42	25.5&	39.808	N	28.578	E	10	G			4	TURKEY. <ISK>. MD 2.5 (ISK).
06	08	48	07.0&	9.178	N	78.701	W	74				6	PANAMA. <UPA>. MD 3.2 (UPA).
06	08	55	55.5	22.031	S	178.077	W	374	D	4.8	0.9	93	SOUTH OF FIJI ISLANDS
06	09	08	45.6*	13.396	N	90.576	W	33	N	4.3	1.2	28	NEAR COAST OF GUATEMALA. MD 4.7 (UNM).
06	09	28	17.8?	5.94	S	153.40	E	33	N	3.9	1.5	12	NEW IRELAND REGION, P.N.G.
06	10	01	54.1*	45.970	N	82.797	E	33	N	3.8	1.1	10	KAZAKHSTAN-XINJIANG BORDER REG.
06	10	32	26.2?	34.85	N	138.77	E	100	G	3.8	1.3	9	NEAR S. COAST OF HONSHU, JAPAN
06	11	08	20.0*	17.905	S	178.636	W	600	G	4.7	0.9	23	FIJI ISLANDS REGION
06	11	49	24.8*	54.997	N	162.198	E	33	N	4.1	1.1	13	NEAR EAST COAST OF KAMCHATKA
06	12	12	35.6?	2.67	S	138.87	E	33	N	3.6	0.4	6	IRIAN JAYA, INDONESIA
06	12	22	32.7*	41.112	N	143.027	E	65	?		1.2	14	HOKKAIDO, JAPAN REGION
06	12	32	48.7	0.502	S	132.962	E	27	D	5.3 4.9	1.2	70	IRIAN JAYA REGION, INDONESIA. Mw 5.5 (HRV). Felt (III) at Sorong.
													Centroid, Moment Tensor (HRV): Centroid origin time 12:32:52.1; Lat 0.45 S; Lon 132.94 E; Dep 38.5; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.75, Plg=4, Azm=120; (N) Val=0.26, Plg=79, Azm=11; (P) Val=-2.01, Plg=11, Azm=210; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=254, Dip=80, Slip=-5; NP2: Strike=345, Dip=85, Slip=-170.
06	12	35	51.4?	34.34	S	55.53	E	10	G		0.6	6	SOUTHWEST INDIAN RIDGE
06	12	38	40.3&	15.937	N	93.400	W	42				5	NEAR COAST OF CHIAPAS, MEXICO. <UNM>. MD 4.3 (UNM).
06	12	50	27.4*	2.470	S	138.747	E	33	N	3.1	1.3	6	IRIAN JAYA, INDONESIA
06	13	01	16.2	56.059	S	27.712	W	129	D	5.5	0.9	127	SOUTH SANDWICH ISLANDS REGION. Mw 5.4 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 13:01:20.0; Lat 56.15 S; Lon 27.14 W; Dep 123.8; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.36, Plg=62, Azm=162; (N) Val=-0.23, Plg=26, Azm=319; (P) Val=-1.13, Plg=10, Azm=53; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=171, Dip=42, Slip=131; NP2: Strike=302, Dip=60, Slip=60.
06	13	14	17.1&	15.954	N	96.412	W	0				6	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.1 (UNM).
06	13	15	12.8?	4.62	S	152.78	E	33	N	4.1	0.8	10	NEW BRITAIN REGION, P.N.G.
06	14	09	33.2*	37.071	N	69.982	E	79	?	3.5	1.4	13	AFGHANISTAN-TAJIKISTAN BORD REG.
06	14	34	10.2*	11.873	S	166.219	E	33	N	4.9 4.8	1.5	45	SANTA CRUZ ISLANDS. Mw 5.4 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 14:34:11.2; Lat 12.27 S; Lon 166.11 E; Dep 29.6; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.31, Plg=66, Azm=65; (N) Val=0.05, Plg=1, Azm=156; (P) Val=-1.36, Plg=24, Azm=247; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=338, Dip=21, Slip=92; NP2: Strike=156, Dip=69, Slip=89.

06	14	41	22.6*	56.755	S	27.196	W	167	?	4.6	1.1	20	SOUTH SANDWICH ISLANDS REGION
06	15	15	15.1*	45.418	N	14.409	E	10	G		0.8	5	NORTHWESTERN BALKAN REGION. ML 1.6 (LJU).
06	15	53	48.6	29.055	N	113.148	W	10	G	4.6	0.8	30	GULF OF CALIFORNIA. MD 4.4 (ECX). Felt southeast of Bahia de los Angeles, Baja California.
06	16	09	14.1*	21.328	N	146.149	E	33	N	4.6	1.3	13	MARIANA ISLANDS REGION
06	16	25	50.4&	40.739	N	30.442	E	10	G			4	TURKEY. <ISK>. MD 3.1 (ISK).
06	17	39	08.6&	44.300	N	6.500	E	2				18	FRANCE. <LDG>. ML 2.0 (LDG), 1.8 (STR).
06	17	40	13.7?	11.90	N	88.71	W	33	N	4.7	0.9	13	OFF COAST OF CENTRAL AMERICA
06	18	57	11.8?	22.24	N	94.35	E	106	*	3.5	1.0	11	MYANMAR
06	19	12	26.7	18.007	N	145.882	E	165	*	4.5	1.1	35	MARIANA ISLANDS
06	19	14	14.7&	15.827	N	96.184	W	47		3.7		21	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.4 (UNM).
06	19	25	49.1&	40.851	N	30.476	E	6				4	TURKEY. <ISK>. MD 3.0 (ISK).
06	19	36	36.8	44.238	N	147.649	E	94	D	5.0	0.8	184	KURIL ISLANDS
06	20	15	09.8?	24.27	N	94.39	E	87	?		0.6	9	MYANMAR-INDIA BORDER REGION
06	20	31	53.1*	51.552	N	16.079	E	5	G		0.7	6	POLAND. ML 2.9 (WAR).
06	21	18	49.3&	18.313	N	98.513	W	72				13	CENTRAL MEXICO. <UNM>. MD 3.6 (UNM).
06	21	55	28.4	6.007	S	105.519	E	33	N	5.0 4.4	1.1	65	SUNDA STRAIT
06	21	57	55.5&	31.058	S	71.624	W	24				15	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
06	22	00	28.0*	5.641	S	148.318	E	165	*	4.4	1.1	14	NEW BRITAIN REGION, P.N.G.
06	23	08	48.2&	43.000	N	0.200	W	2				9	PYRENEES. <LDG>. ML 2.0 (LDG). mbLg 1.8 (MDD).
06	23	40	21.9&	43.000	N	0.200	W	2				4	PYRENEES. <LDG>. ML 1.8 (LDG).
06	23	47	53.7&	19.447	N	98.983	W	25				4	CENTRAL MEXICO. <UNM>. MD 3.5 (UNM).
07	00	12	05.2*	2.100	N	128.108	E	200	G	3.8	0.9	10	HALMAHERA, INDONESIA
07	00	45	39.1&	18.460	N	64.740	W	26				8	VIRGIN ISLANDS. <MPR>. MD 3.5 (MPR).
07	00	54	45.0&	34.472	S	70.439	W	6				12	CHILE-ARGENTINA BORDER REGION. <GUC>.
07	00	59	45.3	43.025	N	12.803	E	10	G	4.4	1.2	207	CENTRAL ITALY. ML 4.6 (TRI), 4.5 (STR), 4.5 (FUR), 4.2 (LDG).
07	01	10	57.2	43.006	N	12.775	E	10	G	3.6	1.2	110	CENTRAL ITALY. ML 3.9 (STR), 3.8 (TRI), 3.5 (LDG).
07	01	13	36.8	24.787	N	141.752	E	526	D	5.4	0.9	300	VOLCANO ISLANDS REGION. Mw 5.9 (GS), 5.9 (HRV).

Moment Tensor (GS): Dep 535; Principal axes (scale 10**17 Nm): (T) Val=7.92, Plg=17, Azm=62; (N) Val=-1.08, Plg=16, Azm=157; (P) Val=-6.84, Plg=66, Azm=287; Best double couple: Mo=7.4*10**17 Nm; NP1: Strike=128, Dip=31, Slip=-122; NP2: Strike=345, Dip=64, Slip=-72.
Centroid, Moment Tensor (HRV): Centroid origin time 01:13:42.5; Lat 24.47 N; Lon 141.72 E; Dep 540.3; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=9.13, Plg=10, Azm=242; (N) Val=0.23, Plg=0, Azm=332; (P) Val=-9.36, Plg=80, Azm=64; Best double couple: Mo=9.2*10**17 Nm; NP1: Strike=332, Dip=35, Slip=-90; NP2: Strike=153, Dip=55, Slip=-90.

07	01	18	59.5	24.821	N	141.746	E	525	D	5.9	0.9	379	VOLCANO ISLANDS REGION. Mw 6.4 (GS), 6.4 (HRV). Me 5.9 (GS). Felt (II JMA) in southern Chiba Prefecture and in the Tokyo area; (I JMA) in parts of Chiba, Fukushima, Gumma, Ibaraki, Kanagawa, Saitama, Tochigi and Tokyo Prefectures, Honshu. Also felt (I JMA) on Hachijo-jima and Miyake-jima.

Broadband Source Parameters (GS): Dep 525; NP1: Strike=346, Dip=68, Slip=-60; NP2: Strike=109, Dip=37, Slip=-141; Radiated energy 1.5*10**13 Nm. Two events about 2.5 seconds apart. Depth based on first event.
Moment Tensor (GS): Dep 529; Principal axes (scale 10**18 Nm): (T) Val=4.75, Plg=22, Azm=55; (N) Val=-0.03, Plg=29, Azm=158; (P) Val=-4.72, Plg=52, Azm=293; Best double couple: Mo=4.7*10**18 Nm; NP1: Strike=104, Dip=34, Slip=-149; NP2: Strike=348, Dip=73, Slip=-60.
Centroid, Moment Tensor (HRV): Centroid origin time 01:19:06.2; Lat 24.92 N; Lon 141.87 E; Dep 533.6; Half-duration 4.1 sec; Principal axes (scale 10**18 Nm): (T) Val=5.04, Plg=20, Azm=49; (N) Val=-0.47, Plg=29, Azm=151; (P) Val=-4.57, Plg=54, Azm=290; Best double couple: Mo=4.8*10**18 Nm; NP1: Strike=101, Dip=36, Slip=-145; NP2: Strike=342, Dip=71, Slip=-59.

07	01	24	53.0&	18.976	N	102.724	W	96				12	MICHOACAN, MEXICO. <UNM>. MD 4.4 (UNM).
07	01	33	48.5*	45.449	N	14.466	E	10	G		1.1	6	NORTHWESTERN BALKAN REGION. ML 1.4 (LJU).
07	01	38	10.2*	24.772	N	142.096	E	550	G	4.2	0.9	19	VOLCANO ISLANDS REGION
07	01	43	57.2&	44.600	N	6.893	E	1				5	FRANCE. <GEN>. ML 1.9 (GEN).
07	01	45	15.4&	44.604	N	6.889	E	5				5	FRANCE. <GEN>. ML 1.9 (GEN).
07	02	15	53.5&	44.480	N	7.198	E	12				4	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
07	02	21	59.1*	12.108	N	93.072	E	33	N		0.7	7	ANDAMAN ISLANDS, INDIA
07	02	37	58.0*	58.195	S	26.282	W	100	G		0.9	16	SOUTH SANDWICH ISLANDS REGION
07	02	43	41.5	35.728	N	141.829	E	33	N	4.9 4.6	0.9	40	NEAR EAST COAST OF HONSHU, JAPAN
07	03	20	18.9	14.796	S	167.323	E	129		5.2	1.0	204	VANUATU ISLANDS. Mw 5.9 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 03:20:23.3; Lat 14.86 S; Lon 167.31 E; Dep 126.6; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.67, Plg=34, Azm=151; (N) Val=0.86, Plg=26, Azm=261; (P) Val=-7.53, Plg=44, Azm=19; Best double couple: Mo=7.1*10**17 Nm; NP1: Strike=185, Dip=27, Slip=-168; NP2: Strike=83, Dip=84, Slip=-54.

07	03	37	19.7*	6.285	S	129.948	E	100	G		1.4	7	BANDA SEA
07	04	03	21.6	6.613	S	115.865	E	555		4.8	1.1	59	BALI SEA
07	04	47	29.2?	52.61	N	172.79	W	100	G	4.4	1.4	7	ANDREANOF ISLANDS, ALEUTIAN IS.
07	05	25	32.6	14.531	S	177.842	W	33	N	5.1 5.0	1.0	134	FIJI ISLANDS REGION. Mw 5.2 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 05:25:35.5; Lat 14.28 S; Lon 177.50 W; Dep 31.4; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=9.20, Plg=66, Azm=345; (N) Val=-2.33, Plg=8, Azm=94;

														(P) Val=-6.87, Plg=23, Azm=187; Best double couple: Mo=8.0*10**16 Nm; NP1: Strike=293, Dip=23, Slip=111; NP2: Strike=91, Dip=68, Slip=81.
07	06	00	39.6	7.149	S	127.485	E	250	G	4.8	0.9	32	BANDA SEA
07	06	42	07.7*	40.963	S	174.195	E	50	G		0.5	8	COOK STRAIT, NEW ZEALAND
07	07	04	18.2&	32.773	S	70.323	W	104				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
07	07	12	02.3	15.989	N	96.092	W	33	N	4.6	1.1	58	NEAR COAST OF OAXACA, MEXICO. MD 4.6 (UNM).
07	07	18	46.9&	59.850	N	152.610	W	82		2.6		84	SOUTHERN ALASKA. <AEIC>.
07	07	20	54.3*	23.380	N	121.849	E	33	N	4.3	1.4	15	TAIWAN
07	07	24	23.9&	32.465	S	70.591	W	99				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
07	08	22	06.9&	53.520	N	165.110	W	18				10	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.9 (AEIC).
07	08	32	29.6&	40.770	N	21.310	E	22				16	GREECE. <SKO>. ML 3.2 (SKO). Felt (IV) at Bitola, former Yugoslav Republic of Macedonia.
07	08	45	11.0*	29.103	N	78.064	E	33	N	3.5	1.5	12	NORTHERN INDIA
07	08	47	40.2?	42.16	N	125.52	W	10	G	3.0	0.3	8	OFF COAST OF OREGON
07	09	05	47.4*	7.228	S	80.769	W	33	N	4.7	1.0	29	OFF COAST OF NORTHERN PERU
07	09	07	41.6	50.457	N	150.448	E	450	G	4.7	0.7	46	NORTHWEST OF KURIL ISLANDS
07	09	34	58.0&	33.791	N	116.974	W	15				25	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
07	09	39	41.7*	4.343	S	143.938	E	118	?	3.3	1.0	7	NEW GUINEA, PAPUA NEW GUINEA
07	10	01	24.8&	33.046	S	70.359	W	104				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
07	10	46	27.5&	39.840	N	26.838	E	8				7	TURKEY. <ISK>. MD 2.8 (ISK).
07	10	56	44.6*	12.107	S	165.780	E	33	N	4.0	0.7	7	SANTA CRUZ ISLANDS
07	10	59	51.1*	15.844	N	95.816	W	33	N	3.9	1.3	22	NEAR COAST OF OAXACA, MEXICO. MD 4.5 (UNM).
07	11	14	39.7&	31.091	S	71.826	W	14				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
07	11	21	34.5&	45.900	N	1.000	E	2				5	FRANCE. <LDG>. ML 1.9 (LDG).
07	11	26	39.5*	11.463	S	165.588	E	33	N	4.4	0.9	17	SANTA CRUZ ISLANDS
07	11	53	46.4*	19.865	N	121.401	E	33	N	3.8	1.0	11	PHILIPPINE ISLANDS REGION
07	12	05	21.3	19.877	N	121.505	E	33	N	4.5	1.0	23	PHILIPPINE ISLANDS REGION
07	12	08	57.8*	7.400	N	73.183	W	100	G		0.7	8	NORTHERN COLOMBIA
07	13	33	29.2	4.101	N	95.074	E	66	*	4.9	0.7	54	NORTHERN SUMATERA, INDONESIA
07	14	10	42.2*	4.439	S	143.839	E	100	G	4.0	1.5	15	NEW GUINEA, PAPUA NEW GUINEA
07	15	01	38.6&	46.500	N	2.200	E	2				8	FRANCE. <LDG>. ML 1.9 (LDG).
07	15	12	57.4?	51.68	N	176.74	E	33	N	3.9	1.1	12	RAT ISLANDS, ALEUTIAN ISLANDS
07	15	28	28.5?	14.85	N	93.38	W	33	N	4.0	0.9	14	NEAR COAST OF CHIAPAS, MEXICO
07	15	48	25.9	50.928	N	173.665	W	33	N	4.8	1.1	114	ANDREANOF ISLANDS, ALEUTIAN IS.
07	16	27	17.5?	15.52	N	96.26	W	33	N	3.9	1.3	19	NEAR COAST OF OAXACA, MEXICO. MD 4.5 (UNM).
07	16	34	26.1*	2.944	S	128.339	E	33	N	4.0	1.1	12	CERAM SEA
07	17	23	33.0&	55.960	N	160.500	W	151				13	ALASKA PENINSULA. <AEIC>.
07	17	32	38.4?	18.35	N	145.89	E	33	N	3.9	1.1	8	MARIANA ISLANDS
07	17	34	01.7*	19.865	N	121.392	E	33	N	4.4	0.9	15	PHILIPPINE ISLANDS REGION
07	17	49	11.3*	45.448	N	14.430	E	5	G		0.3	6	NORTHWESTERN BALKAN REGION. ML 2.0 (LJU).
07	18	26	01.1*	50.188	N	19.481	E	5	G		0.7	5	POLAND
07	19	39	00.6&	37.635	N	118.934	W	9				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.6 (BRK), 3.4 (GS).
07	19	59	38.2&	44.373	N	7.260	E	12				20	NORTHERN ITALY. <GEN>. ML 2.2 (GEN), 1.8 (LDG).
07	20	15	35.6	39.679	N	20.127	E	33	N	3.5	1.4	31	GREECE-ALBANIA BORDER REGION
07	21	55	28.4&	6.230	S	105.300	E	33	N			13	SUNDA STRAIT. <DJA>.
07	22	42	44.0	42.554	N	86.008	E	33	N	4.1	0.8	16	NORTHERN XINJIANG, CHINA
07	22	44	52.8&	61.310	N	150.890	W	53				100	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC), 3.5 (PMR).
07	22	57	54.7&	10.008	N	77.538	W	10		3.5		6	NORTH OF PANAMA. <UPA>. MD 3.9 (UPA).
07	23	16	21.9*	55.158	S	126.856	W	10	G	5.0 5.1	1.2	54	SOUTHERN EAST PACIFIC RISE. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:16:29.8; Lat 55.53 S; Lon 126.37 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.99, Plg=13, Azm=334; (N) Val=0.11, Plg=61, Azm=89; (P) Val=-2.10, Plg=25, Azm=238; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=18, Dip=63, Slip=-171; NP2: Strike=284, Dip=82, Slip=-27.
07	23	40	54.7&	44.655	N	7.203	E	10				28	NORTHERN ITALY. <GEN>. ML 2.3 (GEN), 2.3 (STR), 2.2 (LDG).
07	23	51	06.9&	62.870	N	148.160	W	67				56	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
07	23	51	07.3&	44.655	N	7.203	E	11				29	NORTHERN ITALY. <GEN>. ML 2.5 (GEN), 2.4 (STR), 2.3 (LDG).
07	23	54	40.9	10.329	S	74.745	W	127	D	4.6	0.8	33	CENTRAL PERU
08	00	24	22.3*	0.211	N	129.161	E	33	N	3.8	1.2	10	HALMAHERA, INDONESIA
08	00	40	00.2&	43.070	N	0.180	E	2	G			22	FRANCE. <STR>. ML 3.2 (STR), 2.7 (LDG). Felt (II) in the Bigorre region.
08	01	03	22.6	23.050	S	179.819	W	550	G	4.8	1.0	40	SOUTH OF FIJI ISLANDS
08	01	10	31.0*	26.968	N	54.227	E	33	N	4.0	0.9	16	SOUTHERN IRAN
08	01	12	36.1&	38.255	N	15.871	E	10				34	SICILY. <ROM>. ML 3.0 (ROM).
08	01	37	29.8&	36.850	N	4.610	W	15				18	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
08	01	38	47.6&	36.490	N	3.140	W	0				8	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.9 (MDD).
08	01	49	06.8	42.992	N	12.680	E	10	G		1.1	40	CENTRAL ITALY. ML 3.5 (STR), 3.5 (VIE), 3.1 (LDG).
08	02	50	10.6&	58.580	N	152.670	W	65		2.9		92	KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
08	04	03	10.9&	39.509	S	175.646	E	5	G		0.3	7	NORTH ISLAND, NEW ZEALAND. ML 4.1 (WEL). Felt near Waiouru.
08	04	32	34.2&	32.170	S	71.483	W	59				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.9 (GUC).
08	05	20	52.5&	18.910	N	65.090	W	50				6	PUERTO RICO REGION. <MPR>. MD 3.3 (MPR).
08	05	38	30.2&	61.300	N	150.870	W	52				92	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.1 (PMR).
08	05	51	22.7	49.911	N	5.435	W	5	G		1.1	22	NORTH ATLANTIC OCEAN. ML 2.9 (LDG). Felt (IV) in southwestern Cornwall, United Kingdom.
08	05	54	19.9?	51.64	N	176.65	E	33	N	3.6	1.1	6	RAT ISLANDS, ALEUTIAN ISLANDS
08	06	30	39.8*	6.018	S	147.650	E	33	N	4.1	1.3	16	EASTERN NEW GUINEA REG., P.N.G.
08	06	45	42.0*	2.388	N	127.100	E	33	N	4.6	0.8	16	NORTHERN MOLUCCA SEA
08	07	43	18.5&	1.940	N	98.350	E	72				4	NORTHERN SUMATERA, INDONESIA. <DJA>.
08	07	43	48.3*	26.398	N	142.602	E	33	N	3.5	1.2	12	BONIN ISLANDS REGION
08	08	20	47.6*	39.332	N	122.275	E	33	N		0.5	6	NORTHEASTERN CHINA
08	09	03	54.3?	51.13	N	176.46	E	33	N	3.2	1.7	5	RAT ISLANDS, ALEUTIAN ISLANDS
08	09	07	48.1*	5.181	S	151.588	E	150	G	4.4	0.8	14	NEW BRITAIN REGION, P.N.G.
08	09	15	50.2&	40.566	N	28.945	E	9				5	TURKEY. <ISK>. MD 2.5 (ISK).
08	09	43	45.5&	17.218	N	100.963	W	43				18	GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
08	10	53	16.8*	51.539	N	16.021	E	5	G		0.8	8	POLAND. ML 3.0 (WAR), 2.3 (CLL).
08	11	00	08.2&	39.643	N	29.404	E	7				4	TURKEY. <ISK>. MD 2.6 (ISK).
08	11	28	43.8&	39.513	S	175.633	E	5	G		0.6	11	NORTH ISLAND, NEW ZEALAND. ML 4.1 (WEL).
08	11	44	23.6*	5.821	S	150.710	E	33	N	4.3	1.0	10	NEW BRITAIN REGION, P.N.G.
08	11	48	59.1*	31.586	S	177.608	W	33	N	4.8	1.3	30	KERMADEC ISLANDS REGION

08	12	04	53.8&	59.260	N	153.600	W	113					82	SOUTHERN ALASKA. <AEIC>.
08	15	20	57.6&	39.322	N	29.217	E	12					7	TURKEY. <ISK>. MD 2.7 (ISK).
08	15	33	56.2&	39.400	N	2.530	W	7					83	SPAIN. <MDD>. ML 3.9 (LDG). mbLg 3.7 (MDD). Felt (III) at El Provencio, Las Pedroneras and San Clemente; (II) at Coslada, Saelices, Villarrobledo and Villaverde.
08	16	08	57.3&	39.420	N	2.560	W	0					6	SPAIN. <MDD>. mbLg 1.7 (MDD).
08	16	25	00.2&	8.620	S	113.700	E	154					4	JAWA, INDONESIA. <DJA>.
08	16	26	23.0&	39.400	N	2.520	W	15					7	SPAIN. <MDD>. mbLg 2.0 (MDD).
08	16	34	36.8&	44.475	N	7.065	E	4					5	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
08	16	44	18.5	36.036	N	141.831	E	27	D	4.2		0.9	26	NEAR EAST COAST OF HONSHU, JAPAN
08	16	53	23.5*	3.695	S	130.574	E	33	N	4.5		1.1	11	SERAM, INDONESIA
08	17	01	01.7	45.493	N	14.541	E	10	G			1.4	19	NORTHWESTERN BALKAN REGION. ML 3.1 (VIE), 2.5 (LJU).
08	17	16	07.4	51.718	N	179.669	W	99	*	4.1		1.0	36	ANDREANOF ISLANDS, ALEUTIAN IS.
08	17	17	12.8?	20.07	S	169.31	E	33	N	3.6		1.6	10	VANUATU ISLANDS
08	17	56	19.5&	38.904	N	27.754	E	8					6	TURKEY. <ISK>. MD 3.1 (ISK).
08	18	10	51.9*	49.995	S	118.511	E	10	G	4.5		1.1	26	SOUTH OF AUSTRALIA
08	18	17	51.4	36.044	N	141.863	E	33	N	4.4		1.1	28	NEAR EAST COAST OF HONSHU, JAPAN
08	18	26	05.5	44.974	S	170.465	E	10	G	4.3	4.8	1.3	20	SOUTH ISLAND, NEW ZEALAND. ML 5.0 (WEL). Felt at Oamaru.
08	19	11	57.4&	50.499	N	130.287	W	10	G	3.9			41	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.9 (PGC).
08	19	54	18.7*	37.770	N	72.576	E	150	G	3.7		1.4	19	TAJIKISTAN
08	20	06	04.0*	0.436	S	97.034	E	33	N	4.9		1.1	18	SOUTHWEST OF SUMATERA, INDONESIA
08	20	22	33.5?	29.52	N	50.58	E	33	N	3.6		1.1	8	SOUTHERN IRAN
08	21	09	03.3&	18.930	N	67.870	W	33	N				9	MONA PASSAGE. <MPR>. MD 3.7 (MPR).
08	21	51	39.4&	36.610	N	5.800	W	0					8	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.2 (MDD).
08	21	55	49.8&	33.322	S	72.447	W	8					11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
08	22	03	57.3*	37.147	N	70.038	E	33	N	3.8		1.4	18	AFGHANISTAN-TAJIKISTAN BORD REG.
08	22	13	49.3&	58.080	N	154.220	W	65		2.5			70	ALASKA PENINSULA. <AEIC>. ML 2.7 (AEIC).
08	22	33	10.2&	18.780	N	64.960	W	76					4	VIRGIN ISLANDS. <MPR>. MD 3.3 (MPR).
08	23	10	43.5&	2.390	N	98.140	E	77					4	NORTHERN SUMATERA, INDONESIA. <DJA>.
08	23	10	58.9&	60.690	N	148.730	W	31					63	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
08	23	16	08.1	46.552	N	13.222	E	10	G			1.3	9	AUSTRIA. ML 2.5 (VIE).
08	23	16	31.3	32.318	N	49.247	E	33	N	4.4		0.8	22	WESTERN IRAN
09	01	11	24.4*	8.630	S	111.568	E	100	G	4.0		1.2	11	JAWA, INDONESIA
09	01	14	32.6&	19.358	N	99.193	W	11					7	CENTRAL MEXICO. <UNM>. MD 2.6 (UNM).
09	01	15	23.5&	31.863	S	70.483	W	114					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
09	01	31	26.3*	82.975	N	0.400	E	10	G			1.3	10	NORTH OF SVALBARD
09	01	55	12.6&	57.126	N	155.377	W	54		4.6			118	ALASKA PENINSULA. <AEIC>. ML 4.0 (AEIC), 4.4 (PMR).
09	01	57	10.5?	34.84	S	178.32	E	500	G	4.6		0.8	24	SOUTH OF KERMADEC ISLANDS
09	02	20	42.9&	44.100	N	7.000	E	2					32	NORTHERN ITALY. <LDG>. ML 2.4 (GEN), 2.0 (LDG), 2.0 (STR).
09	02	32	06.1&	19.400	N	68.320	W	80					7	NORTH ATLANTIC OCEAN. <MPR>. MD 3.7 (MPR).
09	02	35	13.6&	19.530	N	68.280	W	80					7	NORTH ATLANTIC OCEAN. <MPR>. MD 3.8 (MPR).
09	02	52	30.9?	6.08	S	150.10	E	33	N	4.3		1.3	9	NEW BRITAIN REGION, P.N.G.
09	03	02	13.9	51.550	N	149.639	E	679	D	5.2		0.7	442	SEA OF OKHOTSK. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:02:15.8; Lat 51.45 N; Lon 149.68 E; Dep 690.2; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.50, Plg=25, Azm=216; (N) Val=0.30, Plg=13, Azm=312; (P) Val=-1.81, Plg=61, Azm=67; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=280, Dip=23, Slip=-125; NP2: Strike=136, Dip=71, Slip=-76.
09	03	56	54.5&	46.100	N	2.900	E	22					6	FRANCE. <LDG>. ML 1.8 (LDG).
09	03	59	20.9	22.274	S	178.175	W	354	D	4.8		1.0	105	SOUTH OF FIJI ISLANDS
09	04	31	32.2	5.639	N	123.882	E	544		4.9		0.8	54	MINDANAO, PHILIPPINE ISLANDS
09	04	36	11.0*	86.056	N	29.119	E	10	G	3.2		0.9	9	NORTH OF SVALBARD
09	05	21	39.8?	13.60	N	88.64	W	100	G	4.5		1.2	14	EL SALVADOR
09	05	34	08.4	33.829	N	48.398	E	33	N	3.9		0.8	18	WESTERN IRAN. Felt at Borujerd and Khorramabad.
09	05	37	11.1&	36.430	N	3.150	W	4					24	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.6 (MDD).
09	05	46	48.7&	60.455	N	152.391	W	90					62	SOUTHERN ALASKA. <AEIC>.
09	08	33	38.6*	18.311	S	175.394	W	264	?	4.8		0.8	41	TONGA ISLANDS
09	09	31	36.4&	37.200	N	4.290	W	32					9	SPAIN. <MDD>. mbLg 1.9 (MDD).
09	10	54	19.4&	36.770	N	6.220	W	0					6	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.8 (MDD).
09	10	56	25.8&	31.066	S	71.594	W	38					8	NEAR COAST OF CENTRAL CHILE. <GUC>.
09	11	12	21.3	4.434	S	138.826	E	33	N	4.1		1.1	16	IRIAN JAYA, INDONESIA
09	11	33	58.3&	57.649	N	155.670	W	77		2.6			20	ALASKA PENINSULA. <AEIC>.
09	13	04	23.7&	42.500	N	2.000	E	2					19	PYRENEES. <LDG>. ML 2.9 (LDG). mbLg 2.4 (MDD).
09	13	46	08.1&	43.700	N	6.800	E	9					15	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.0 (LDG), 1.9 (STR).
09	13	47	48.5*	7.453	S	125.045	E	474	?	4.2		0.8	9	BANDA SEA
09	13	58	06.8&	45.700	N	5.200	E	2					13	FRANCE. <LDG>. ML 2.6 (STR), 2.2 (LDG).
09	14	06	45.6&	60.159	N	152.467	W	94		2.7			66	SOUTHERN ALASKA. <AEIC>.
09	14	14	03.5?	52.53	N	32.80	W	10	G	4.0		0.6	7	NORTH ATLANTIC OCEAN
09	14	16	56.3&	44.000	N	5.000	E	4					38	FRANCE. <LDG>. ML 3.2 (STR), 3.1 (LDG).
09	14	32	37.7*	15.635	S	167.918	E	200	G	4.2		1.2	14	VANUATU ISLANDS
09	14	35	34.6?	23.34	S	178.70	E	600	G	4.0		0.6	13	SOUTH OF FIJI ISLANDS
09	14	41	40.6&	43.398	N	8.241	E	17					63	CORSICA. <GEN>. ML 3.5 (STR), 3.3 (GEN), 3.3 (LDG).
09	16	08	22.7	45.856	N	9.776	E	10	G	.		0.8	11	NORTHERN ITALY. ML 2.2 (VIE).
09	16	19	52.0*	52.264	N	31.885	W	10	G	4.0		0.9	14	NORTHERN MID-ATLANTIC RIDGE
09	16	20	51.5*	35.894	N	137.066	E	33	N	3.8		1.4	15	EASTERN HONSHU, JAPAN. Felt (III JMA) in southwestern Gifu; (II JMA) in southern Aichi; (I JMA) in parts of Aichi, Fukui, Gifu, Kyoto, Mie, Nagano, Nara, Osaka, Shiga, Shizuoka and Yamanashi Prefectures.
09	16	52	43.3&	44.500	N	6.300	E	2					9	FRANCE. <LDG>. ML 1.6 (LDG).
09	19	32	16.6&	45.900	N	6.100	E	2					15	FRANCE. <LDG>. ML 2.3 (LDG).
09	20	25	56.2	6.942	S	129.623	E	150	G	4.5		1.1	18	BANDA SEA
09	20	50	33.7	14.291	N	145.113	E	119		4.9		1.0	82	MARIANA ISLANDS. Felt (IV) in the central part of Guam.
09	21	13	26.0	36.658	N	70.675	E	80	D	4.7		0.8	93	HINDU KUSH REGION, AFGHANISTAN
09	21	19	26.9*	24.252	S	67.175	W	176	*	4.5		1.2	43	CHILE-ARGENTINA BORDER REGION
09	22	04	41.7&	58.987	N	154.765	W	138		2.8			84	ALASKA PENINSULA. <AEIC>.
09	23	19	01.2*	37.207	N	21.162	E	33	N			1.1	12	SOUTHERN GREECE
09	23	31	58.0*	1.822	N	122.817	E	432	*	4.2		0.9	31	MINAHASSA PENINSULA, SULAWESI
10	02	05	06.3?	9.77	S	155.49	E	33	N	4.4		0.8	5	D'ENTRECASTEAUX ISLANDS REGION
10	02	22	09.0*	43.017	N	142.995	E	112	D			1.0	12	HOKKAIDO, JAPAN REGION
10	02	29	00.8*	52.529	N	30.510	W	10	G			0.9	13	NORTHERN MID-ATLANTIC RIDGE
10	02	43	32.7&	37.112	N	11.033	W	10	G				11	NORTH ATLANTIC OCEAN. <MDD>. mbLg 2.4 (MDD).

10	03	26	08.9	16.274	S	74.048	W	25	D	5.1	4.9	0.9	67	NEAR COAST OF PERU. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:26:15.7; Lat 16.29 S; Lon 74.43 W; Dep 33.8; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.40, Plg=57, Azm=121; (N) Val=0.11, Plg=26, Azm=342; (P) Val=-1.51, Plg=18, Azm=242; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=298, Dip=35, Slip=40; NP2: Strike=173, Dip=68, Slip=118.
10	04	24	57.4	0.549	N	124.123	E	246	D	4.7		1.2	52	MINAHASSA PENINSULA, SULAWESI
10	05	13	06.1	6.230	N	76.389	W	33	N	3.8		1.0	13	NORTHERN COLOMBIA. MD 4.4 (UPA).
10	05	56	48.4*	20.515	S	177.928	W	500	G	4.3		0.9	25	FIJI ISLANDS REGION
10	06	24	50.7	5.147	N	72.947	W	33	N	4.4		1.0	18	COLOMBIA. Felt at Bogota and San Eduardo.
10	06	30	38.0&	42.780	N	7.190	W	21					4	SPAIN. <MDD>. mbLg 2.8 (MDD). Felt (II) in the epicentral area.
10	06	48	08.5	4.808	S	152.582	E	33	N	4.8		0.9	45	NEW BRITAIN REGION, P.N.G.
10	07	04	37.4*	14.924	N	94.260	W	33	N	4.7		1.2	50	OFF COAST OF CHIAPAS, MEXICO. MD 4.7 (UNM).
10	07	32	46.3	36.194	S	179.673	W	148	*	4.6		0.9	25	EAST OF NORTH ISLAND, N.Z.
10	07	44	45.3?	34.85	S	179.40	W	33	N	4.5		1.0	11	SOUTH OF KERMADEC ISLANDS
10	07	56	37.8&	15.714	N	96.149	W	50					12	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.2 (UNM).
10	08	33	45.2&	31.380	S	71.682	W	11					13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
10	08	48	37.5*	37.042	N	70.079	E	33	N	3.8		1.4	13	AFGHANISTAN-TAJIKISTAN BORD REG.
10	09	17	49.8&	47.000	N	2.300	E	2					6	FRANCE. <LDG>. ML 2.2 (LDG).
10	09	19	20.1	51.672	N	16.130	E	5	G	3.8		0.8	30	POLAND. ML 4.2 (GRF), 3.8 (VIE).
10	09	48	55.7?	52.38	N	171.99	W	33	N	4.1		1.4	10	FOX ISLANDS, ALEUTIAN ISLANDS
10	09	56	27.6*	12.085	S	114.920	E	33	N	4.2		1.1	11	NORTHWEST OF AUSTRALIA
10	10	10	20.7&	38.921	N	27.797	E	10	G				9	TURKEY. <ISK>. MD 3.1 (ISK).
10	10	40	46.1&	60.630	N	151.301	W	57					88	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC), 3.1 (PMR).
10	11	25	43.7?	55.63	N	162.34	E	24	D	3.3		0.3	5	NEAR EAST COAST OF KAMCHATKA
10	11	48	35.3&	31.435	S	71.734	W	16					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
10	11	50	51.8?	52.36	N	171.99	W	33	N	3.2		1.3	6	FOX ISLANDS, ALEUTIAN ISLANDS
10	12	11	33.9	37.711	N	123.507	E	10	G	4.3		1.3	22	NORTHEASTERN CHINA
10	12	20	54.9&	36.500	N	3.160	W	2					6	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.4 (MDD).
10	12	56	33.7*	51.261	N	16.051	E	5	G			1.2	16	POLAND. ML 3.5 (VIE).
10	13	20	14.0&	30.909	S	71.499	W	26					14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
10	13	25	55.0&	44.621	N	7.022	E	7					5	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
10	14	01	33.8&	33.486	S	71.995	W	29					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
10	14	24	39.3&	39.002	N	29.816	E	10	G				4	TURKEY. <ISK>. MD 2.9 (ISK).
10	14	39	34.1	51.339	N	178.711	E	64	*	4.4		1.1	32	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR).
10	14	40	16.9&	32.535	S	71.597	W	30					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
10	15	28	03.8&	18.750	N	65.810	W	70					5	PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
10	16	38	10.6*	5.475	N	94.804	E	100	G	3.6		1.5	13	NORTHERN SUMATERA, INDONESIA
10	16	59	45.9&	43.700	N	6.200	E	2					11	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 1.9 (LDG), 1.8 (STR).
10	17	00	34.5&	43.600	N	6.300	E	2					5	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 1.6 (LDG).
10	17	14	01.1&	40.789	N	28.014	E	10	G				4	TURKEY. <ISK>. MD 2.8 (ISK).
10	17	21	36.2&	17.840	N	68.490	W	93					9	MONA PASSAGE. <MPR>. MD 3.9 (MPR).
10	17	31	20.6&	61.928	N	147.854	W	33		4.4			113	SOUTHERN ALASKA. <AEIC>. ML 4.2 (AEIC), 4.4 (PMR). Felt at Anchorage and Palmer.
10	18	12	24.9&	58.898	N	136.705	W	10	G				6	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.5 (PGC).
10	18	47	51.8?	21.46	S	177.84	W	200	G	4.4		1.0	10	FIJI ISLANDS REGION
10	19	26	26.3*	7.123	N	77.094	W	33	N	4.2		1.0	12	PANAMA-COLOMBIA BORDER REGION. MD 4.3 (UPA).
10	19	30	05.0&	62.019	N	149.885	W	48					107	CENTRAL ALASKA. <AEIC>. ML 4.0 (AEIC), 4.1 (PMR). Felt at Eklutna, Palmer, Talkeetna and Willow.
10	19	31	23.2?	16.50	S	74.21	W	33	N	4.1		1.0	5	NEAR COAST OF PERU
10	20	17	08.0	7.884	S	74.445	W	150	G	4.5		0.7	53	PERU-BRAZIL BORDER REGION
10	21	10	43.7*	13.692	N	89.914	W	33	N	3.9		1.0	13	EL SALVADOR. MD 4.4 (UNM).
10	21	40	51.3	19.848	N	121.394	E	33	N	4.4		0.8	18	PHILIPPINE ISLANDS REGION
10	21	47	37.3*	37.317	N	134.722	E	392		3.1		0.8	9	SEA OF JAPAN
10	22	50	52.3&	7.600	N	78.099	W	9					5	PANAMA. <UPA>. MD 3.5 (UPA).
10	23	52	33.2	36.720	N	26.360	E	10	G	3.8		1.4	31	DODECANESE ISLANDS
11	00	14	18.1&	39.041	N	123.085	W	3					7	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM). ML 2.8 (BRK). Felt at Ukiah.
11	00	19	01.8&	44.500	N	2.700	E	2					9	FRANCE. <LDG>. ML 2.0 (LDG).
11	00	46	41.1	38.562	N	30.244	E	10	G	3.8		1.2	38	TURKEY. MD 3.7 (ISK).
11	00	53	39.3?	5.66	N	77.88	W	10	G	3.7		0.1	6	NEAR WEST COAST OF COLOMBIA. MD 4.0 (UPA).
11	01	08	49.2*	17.160	N	73.795	E	33	N	4.5		1.2	20	SOUTHERN INDIA
11	01	30	24.2*	1.412	N	97.947	E	100	G	3.5		1.3	12	NORTHERN SUMATERA, INDONESIA
11	01	30	26.9&	48.500	N	3.500	W	11					6	FRANCE. <LDG>. ML 2.0 (LDG).
11	01	36	52.6&	63.481	N	150.780	W	14					50	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.4 (PMR).
11	02	17	58.1*	42.085	N	81.293	E	33	N	3.3		0.9	11	NORTHERN XINJIANG, CHINA
11	02	25	44.3	41.995	N	142.317	E	75	D	5.0		0.8	203	HOKKAIDO, JAPAN REGION. Mw 5.2 (HRV). Felt (III JMA) in southern Hokkaido. Also felt (II JMA) in northern Aomori and (I JMA) in eastern Aomori Prefecture, Honshu. Centroid, Moment Tensor (HRV): Centroid origin time 02:25:46.4; Lat 41.91 N; Lon 142.73 E; Dep 54.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.99, Plg=66, Azm=302; (N) Val=0.63, Plg=3, Azm=38; (P) Val=-6.61, Plg=24, Azm=129; Best double couple: Mo=6.3*10**16 Nm; NP1: Strike=225, Dip=21, Slip=98; NP2: Strike=37, Dip=69, Slip=87.
11	02	47	33.7	46.479	N	10.590	E	10	G			0.3	9	NORTHERN ITALY. ML 1.6 (VIE).
11	03	42	05.8&	41.440	N	141.924	E	100	G			0.4	8	HOKKAIDO, JAPAN REGION
11	04	26	48.4	44.388	N	17.351	E	10	G			1.3	26	NORTHWESTERN BALKAN REGION. ML 3.5 (VIE), 3.4 (ZAG), 2.9 (LJU).
11	04	33	32.2?	15.70	S	178.08	W	450	G	4.0		0.6	15	FIJI ISLANDS REGION
11	04	38	33.0&	63.290	N	149.246	W	91					46	CENTRAL ALASKA. <AEIC>.
11	04	49	14.0&	33.553	N	118.155	W	3					26	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
11	07	32	14.1&	34.677	S	72.429	W	25					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
11	08	24	56.2*	9.333	S	158.933	E	33	N	4.1		0.8	14	SOLOMON ISLANDS
11	09	04	26.9*	44.424	N	142.159	E	239	*	3.7		1.0	18	HOKKAIDO, JAPAN REGION
11	09	33	38.2&	44.588	N	7.188	E	14					7	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
11	09	43	28.5?	36.06	N	70.85	E	129	?	3.4		0.8	6	HINDU KUSH REGION, AFGHANISTAN
11	10	57	00.1*	6.086	S	130.279	E	50	G	4.2		0.9	12	BANDA SEA. Felt on Ambon, Indonesia.
11	11	07	59.1&	62.084	N	151.370	W	83					48	CENTRAL ALASKA. <AEIC>.

11	11	30	29.0&	11.868	N	43.391	E	4				8	ETHIOPIA. <ARO>. ML 3.6 (ARO).
11	11	44	00.4&	31.711	S	69.075	W	227				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
11	11	53	58.5&	34.357	S	70.455	W	10	G		0.4	11	CHILE-ARGENTINA BORDER REGION
11	11	56	42.2&	18.914	N	98.598	W	0				6	CENTRAL MEXICO. <UNM>. MD 3.9 (UNM).
11	12	12	31.1	5.642	N	124.035	E	529		5.0	0.9	73	MINDANAO, PHILIPPINE ISLANDS
11	13	14	46.2	10.331	N	124.990	E	57	D	5.5	1.0	97	LEYTE, PHILIPPINE ISLANDS. Mw 5.5 (GS), 5.5 (HRV). Six people injured, a fishing pier destroyed, at least 11 buildings damaged, roads cracked and water pipes damaged at Sogod. Felt (IV RF) at Tacloban and Palo. Also felt (III RF) at Cabagna-an, Negros and Lapu-Lapu, Mactan; (II RF) at Cebu, Cebu Island and Surigao, Mindanao. Moment Tensor (GS): Dep 8; Principal axes (scale 10**17 Nm): (T) Val=2.28, Plg=49, Azm=229; (N) Val=0.13, Plg=40, Azm=35; (P) Val=-2.41, Plg=7, Azm=131; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=257, Dip=52, Slip=146; NP2: Strike=10, Dip=64, Slip=44. Centroid, Moment Tensor (HRV): Centroid origin time 13:14:45.8; Lat 10.35 N; Lon 125.24 E; Dep 40.7; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.25, Plg=34, Azm=227; (N) Val=0.16, Plg=55, Azm=57; (P) Val=-2.41, Plg=5, Azm=320; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=9, Dip=63, Slip=22; NP2: Strike=268, Dip=70, Slip=151.
11	14	04	01.4	20.143	N	120.761	E	33	N	3.9	0.6	12	PHILIPPINE ISLANDS REGION
11	14	17	14.0	19.877	S	133.789	E	10	G	3.7	1.2	7	NORTHERN TERRITORY, AUSTRALIA
11	14	34	05.8*	31.834	N	131.335	E	54	*		1.0	9	KYUSHU, JAPAN
11	15	36	06.5	37.798	N	72.812	E	58	*	3.7	0.6	13	TAJIKISTAN
11	15	38	55.3?	36.33	N	70.88	E	33	N	3.6	0.9	7	HINDU KUSH REGION, AFGHANISTAN
11	15	47	45.7*	9.920	S	160.184	E	61	*	4.2	1.0	14	SOLOMON ISLANDS
11	16	52	37.9&	15.804	N	96.427	W	10				21	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.3 (UNM).
11	18	09	23.1?	43.03	N	46.51	E	33	N	3.3	1.1	8	EASTERN CAUCASUS. Felt (III) at Vedeno, Russia.
11	18	33	30.1*	36.175	N	69.811	E	173	D	3.5	0.6	9	HINDU KUSH REGION, AFGHANISTAN
11	18	49	12.0&	60.057	N	152.994	W	128				35	SOUTHERN ALASKA. <AEIC>.
11	19	02	12.2	22.448	S	68.901	W	118	D	4.7	1.1	66	NORTHERN CHILE. Felt (III) at Antofagasta, Calama, Chuquicamata, Maria Elena, Mejillones and San Pedro de Atacama; (II) at Tocopilla.
11	19	43	20.9&	44.502	N	7.194	E	10				26	NORTHERN ITALY. <GEN>. ML 2.6 (GEN), 2.4 (STR).
11	20	19	56.8	42.759	N	0.842	E	10	G		0.3	6	PYRENEES. ML 2.3 (LDG).
11	20	39	17.2	51.564	N	2.948	W	10	G		0.7	17	UNITED KINGDOM. ML 2.9 (LDG). Felt (III) at Cwm-bran.
11	20	40	18.1	17.395	N	145.575	E	164	D	5.2	1.0	143	MARIANA ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:40:25.0; Lat 17.41 N; Lon 145.74 E; Dep 176.0; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.46, Plg=61, Azm=252; (N) Val=-0.15, Plg=4, Azm=155; (P) Val=-1.31, Plg=29, Azm=63; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=142, Dip=17, Slip=76; NP2: Strike=337, Dip=74, Slip=94.
11	21	16	37.5	10.675	N	41.438	W	10	G	5.0	4.4 0.7	215	NORTHERN MID-ATLANTIC RIDGE
11	21	25	32.4&	43.800	N	4.200	E	2				7	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.2 (LDG).
11	23	06	19.4*	20.743	S	178.425	W	567	*	4.2	1.0	38	FIJI ISLANDS REGION
11	23	46	24.2&	44.200	N	7.600	E	2				33	NORTHERN ITALY. <LDG>. ML 2.8 (GEN), 2.6 (LDG), 2.5 (STR).
12	00	15	39.4&	47.676	N	122.492	W	29				72	WASHINGTON. <SEA-P>. MD 3.0 (SEA).
12	00	42	07.1	39.708	N	74.017	E	33	N	4.5	0.8	73	SOUTHERN XINJIANG, CHINA
12	00	52	31.7	6.106	S	130.443	E	100	D	5.0	0.9	84	BANDA SEA. Mw 4.9 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:52:33.5; Lat 6.11 S Fix; Lon 130.44 E Fix; Dep 100.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=2.81, Plg=53, Azm=113; (N) Val=-0.01, Plg=35, Azm=275; (P) Val=-2.80, Plg=9, Azm=11; Best double couple: Mo=2.8*10**16 Nm; NP1: Strike=135, Dip=47, Slip=142; NP2: Strike=253, Dip=63, Slip=49.
12	01	50	56.5&	46.400	N	1.400	W	2				22	FRANCE. <LDG>. ML 3.0 (LDG), 2.9 (STR).
12	02	11	05.4	5.856	S	152.432	E	33	N	5.3	4.7 1.0	125	NEW BRITAIN REGION, P.N.G. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:11:09.3; Lat 6.32 S; Lon 152.54 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.36, Plg=8, Azm=125; (N) Val=-0.52, Plg=8, Azm=216; (P) Val=-4.85, Plg=78, Azm=350; Best double couple: Mo=5.1*10**16 Nm; NP1: Strike=206, Dip=37, Slip=-104; NP2: Strike=42, Dip=54, Slip=-80.
12	02	40	29.1*	26.517	N	88.199	E	33	N	4.6	1.1	10	INDIA-BANGLADESH BORDER REGION
12	03	03	07.4&	14.293	N	91.897	W	76		4.1		30	GUATEMALA. <UNM>. MD 4.7 (UNM).
12	03	05	08.3&	7.577	N	81.515	W	22				4	PANAMA. <UPA>. MD 3.5 (UPA).
12	03	06	30.9&	41.900	N	2.600	E	2				33	SPAIN. <LDG>. ML 3.1 (STR), 2.9 (LDG). mbLg 2.6 (MDD).
12	03	18	56.4*	20.142	S	177.923	W	500	G	4.1	1.1	23	FIJI ISLANDS REGION
12	03	25	18.2&	58.205	N	151.666	W	14				41	KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
12	03	34	15.9&	41.800	N	2.500	E	2				4	SPAIN. <LDG>. ML 2.3 (LDG).
12	03	36	28.2&	19.470	N	68.370	W	104				9	NORTH ATLANTIC OCEAN. <MPR>. MD 3.9 (MPR).
12	03	41	51.0?	34.83	N	34.81	E	33	N		0.4	5	CYPRUS REGION. ML 2.8 (CSS).
12	04	21	13.0&	33.656	S	71.005	W	67				10	NEAR COAST OF CENTRAL CHILE. <GUC>.
12	05	25	35.3&	18.170	N	67.320	W	9				7	MONA PASSAGE. <MPR>. MD 3.0 (MPR).
12	05	27	22.5?	50.68	N	16.44	E	10	G		0.3	5	POLAND. ML 3.1 (VIE).
12	05	30	34.8&	44.500	N	2.700	E	2				11	FRANCE. <LDG>. ML 2.6 (STR), 2.4 (LDG).
12	05	46	34.5	44.949	N	9.386	E	10	G		0.8	20	NORTHERN ITALY. ML 2.6 (LDG).
12	05	46	41.5&	38.849	N	122.792	W	3				9	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK).
12	06	44	07.4&	62.434	N	151.412	W	99				90	CENTRAL ALASKA. <AEIC>.
12	06	48	40.9	27.400	S	109.882	W	10	G	4.9	0.9	48	EASTER ISLAND REGION. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:48:49.0; Lat 27.44 S; Lon 109.78 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.59, Plg=19, Azm=138; (N) Val=0.09, Plg=8, Azm=231; (P) Val=-5.68, Plg=70, Azm=343; Best double couple: Mo=5.6*10**16 Nm; NP1: Strike=215, Dip=27, Slip=-108; NP2:

													Strike=55, Dip=64, Slip=-81.
12	06	58	22.7*	44.658	N	148.348	E	60	D	4.5	1.1	20	KURIL ISLANDS
12	07	21	21.5&	36.144	S	74.267	W	33	N			10	OFF COAST OF CENTRAL CHILE. <GUC>.
12	07	25	03.6&	39.846	N	27.927	E	6				6	TURKEY. <ISK>. MD 2.9 (ISK).
12	08	31	34.6?	12.51	N	87.13	W	150	G	4.2	0.8	20	NEAR COAST OF NICARAGUA
12	08	47	31.1&	31.094	S	69.253	W	174				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
12	09	37	49.5	36.123	N	89.712	W	10	G		0.6	12	NEW MADRID, MISSOURI REGION. mbLg 3.0 (GS). Felt at Hayti and Steele, Missouri.
12	09	49	55.3&	14.627	N	60.909	W	174				15	WINDWARD ISLANDS. <TRN>. MD 3.8 (TRN).
12	10	55	42.7&	44.600	N	8.400	E	2				6	NORTHERN ITALY. <LDG>. ML 2.1 (LDG).
12	10	57	58.3*	58.223	N	153.059	W	91	*		1.3	7	KODIAK ISLAND REGION
12	11	21	29.3	41.937	N	20.310	E	10	G		1.3	59	ALBANIA
12	11	28	15.4*	14.256	S	167.139	E	150	G	4.2	0.9	24	VANUATU ISLANDS
12	12	29	07.3*	17.920	S	178.535	W	600	G	4.3	0.9	23	FIJI ISLANDS REGION
12	12	52	02.2*	0.181	S	124.803	E	85	?	4.9	1.2	34	SOUTHERN MOLUCCA SEA
12	13	27	12.4&	46.620	N	7.830	E	1	G			5	SWITZERLAND. <STR>. ML 2.0 (STR).
12	13	39	33.9*	0.609	N	120.673	E	33	N	4.3	1.3	11	MINAHASSA PENINSULA, SULAWESI
12	13	58	58.3&	44.848	N	9.113	E	12				11	NORTHERN ITALY. <GEN>. ML 2.5 (GEN).
12	14	23	46.5&	36.254	N	120.360	W	9				13	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.1 (BRK), 3.0 (PAS).
12	15	37	08.5*	10.554	N	122.939	E	33	N	3.9	1.0	8	PANAY, PHILIPPINE ISLANDS
12	15	46	52.7	5.579	S	105.389	E	50		4.9	1.1	45	SUNDA STRAIT. Felt (IV) at Tanjungkarang-Telukbetung and (III) at Kotabumi, Sumatera.
12	15	58	03.0*	11.462	S	166.197	E	33	N	4.3	1.3	17	SANTA CRUZ ISLANDS
12	15	58	27.7*	56.167	S	27.198	W	100	G		0.7	13	SOUTH SANDWICH ISLANDS REGION
12	16	33	40.8&	31.258	S	71.661	W	35				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
12	16	56	16.0	5.664	S	146.318	E	69		4.2	1.0	26	EASTERN NEW GUINEA REG., P.N.G.
12	17	06	46.7	10.055	N	126.489	E	51	D	4.8	0.9	30	PHILIPPINE ISLANDS REGION
12	17	15	27.4	37.455	N	20.858	E	33	N	4.0	1.1	44	IONIAN SEA
12	17	26	31.2	37.154	N	69.959	E	33	N	4.3	1.0	26	AFGHANISTAN-TAJIKISTAN BORD REG.
12	17	31	07.2*	17.126	S	178.699	W	33	N	4.9 5.1	1.4	76	FIJI ISLANDS REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:31:09.6; Lat 16.94 S; Lon 178.82 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.45, Plg=8, Azm=101; (N) Val=-0.19, Plg=74, Azm=221; (P) Val=-2.26, Plg=14, Azm=9; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=146, Dip=74, Slip=-176; NP2: Strike=55, Dip=86, Slip=-16.
12	18	09	17.6	46.394	N	15.178	E	10	G		1.4	7	NORTHWESTERN BALKAN REGION. ML 1.9 (VIE).
12	18	28	07.4&	44.317	N	7.185	E	10				6	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
12	18	51	17.1*	16.893	S	178.973	W	33	N	4.7 5.1	1.2	63	FIJI ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:51:18.1; Lat 16.79 S; Lon 178.75 W; Dep 32.3; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.71, Plg=10, Azm=106; (N) Val=-0.04, Plg=80, Azm=296; (P) Val=-1.67, Plg=2, Azm=196; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=241, Dip=82, Slip=6; NP2: Strike=150, Dip=84, Slip=172.
12	18	59	57.1*	12.345	S	114.402	E	33	N	3.9	1.1	11	NORTHWEST OF AUSTRALIA
12	20	58	06.0*	55.066	N	161.221	E	100	G		0.9	9	NEAR EAST COAST OF KAMCHATKA
12	21	01	44.9?	25.61	S	179.89	W	500	G	4.5	1.2	24	SOUTH OF FIJI ISLANDS
12	21	28	06.7	8.192	S	158.688	E	33	N	4.3	0.9	24	SOLOMON ISLANDS
12	21	50	51.5&	32.098	S	68.763	W	187				13	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 4.0 (GUC).
12	22	08	32.2*	25.905	N	67.855	E	33	N		1.3	10	PAKISTAN
12	22	14	11.5&	16.008	N	97.614	W	16				20	OAXACA, MEXICO. <UNM>. MD 4.3 (UNM).
12	22	23	36.9*	27.413	S	177.322	W	150	G	4.2	1.2	30	KERMADEC ISLANDS REGION
12	22	32	13.9&	8.202	N	82.537	W	47				4	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 2.4 (UPA).
12	22	40	15.6*	25.700	N	126.241	E	95	?		0.9	9	RYUKYU ISLANDS
12	23	02	32.6*	35.351	N	77.864	E	33	N		1.3	10	EASTERN KASHMIR
12	23	16	54.5	33.146	N	138.040	E	324		4.4	1.1	55	SOUTH OF HONSHU, JAPAN
12	23	46	12.4&	37.613	N	118.836	W	5				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK).
12	23	46	26.6	46.394	N	15.153	E	10	G		1.5	7	NORTHWESTERN BALKAN REGION. ML 1.8 (VIE), 1.3 (LJU).
13	00	02	39.2	9.637	S	119.905	E	33	N	3.1	0.7	11	SUMBA REGION, INDONESIA
13	00	06	51.2&	32.715	S	70.162	W	114				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
13	01	15	16.9?	11.09	N	125.48	E	33	N	4.1	1.3	7	SAMAR, PHILIPPINE ISLANDS
13	01	37	01.9&	59.891	N	153.598	W	141				64	SOUTHERN ALASKA. <AEIC>.
13	02	11	31.0*	20.854	N	146.215	E	200	G	3.4	0.9	9	MARIANA ISLANDS REGION
13	02	20	16.3*	6.771	S	129.601	E	146	*	4.8	1.1	27	BANDA SEA
13	02	28	04.0*	44.333	N	107.513	W	5	G		0.7	8	WYOMING. ML 3.0 (GS).
13	02	28	53.9&	63.182	N	151.320	W	9				57	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
13	03	05	49.0	30.709	N	141.442	E	33	N	4.5	0.9	42	SOUTH OF HONSHU, JAPAN
13	03	08	09.4&	19.090	N	66.090	W	27				8	PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
13	03	15	48.5*	5.903	S	147.293	E	99		4.1	1.0	16	EASTERN NEW GUINEA REG., P.N.G.
13	03	56	18.9	46.368	N	15.171	E	10	G		1.3	6	NORTHWESTERN BALKAN REGION. ML 1.7 (VIE).
13	04	15	03.1	51.586	N	16.290	E	5	G		0.7	17	POLAND. ML 3.4 (VIE).
13	05	10	48.0*	17.893	S	124.060	E	10	G		0.8	6	WESTERN AUSTRALIA
13	05	16	26.5?	39.42	S	175.04	E	100	G		0.2	6	NORTH ISLAND, NEW ZEALAND
13	07	18	49.0	36.232	N	28.455	E	68	D	4.7	1.3	241	DODECANESE ISLANDS. MD 4.1 (ISK).
13	08	03	43.9&	15.928	N	92.830	W	161		3.6		24	MEXICO-GUATEMALA BORDER REGION. <UNM>.
13	08	24	59.0?	7.66	S	126.73	E	343	*	3.7	1.1	12	BANDA SEA
13	09	19	45.6	51.701	N	176.116	W	43	D	4.6	1.0	51	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.2 (PMR). Felt on Adak.
13	09	58	48.6?	10.65	N	122.89	E	33	N	4.2	1.0	12	PANAY, PHILIPPINE ISLANDS
13	10	06	15.9&	32.773	S	71.013	W	65				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.2 (GUC).
13	10	16	35.9&	9.576	N	79.534	W	40				7	PANAMA. <UPA>. MD 3.2 (UPA).
13	10	25	43.3&	32.460	S	70.432	W	98				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
13	10	48	56.4	17.585	S	177.496	W	350	G	5.1	0.8	221	FIJI ISLANDS REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:49:05.1; Lat 17.54 S; Lon 177.32 W; Dep 385.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.82, Plg=1, Azm=258; (N) Val=1.41, Plg=31, Azm=168; (P) Val=-8.23, Plg=59, Azm=351; Best double couple: Mo=7.5*10**16 Nm; NP1: Strike=16, Dip=51, Slip=-49; NP2:

													Strike=142, Dip=54, Slip=-129.
13	11	07	08.6&	5.782	N	79.416	W	43				7	SOUTH OF PANAMA. <UPA>. MD 3.9 (UPA).
13	11	42	49.3&	5.876	N	79.612	W	10				6	SOUTH OF PANAMA. <UPA>. MD 3.6 (UPA).
13	12	25	07.5&	42.800	N	2.400	E	2				10	PYRENEES. <LDG>. ML 2.2 (LDG).
13	12	29	59.5&	31.388	S	69.820	W	151				13	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.5 (GUC).
13	13	08	49.6*	30.196	N	67.965	E	33	N	4.1	1.2	15	PAKISTAN
13	13	27	02.3*	42.095	N	73.536	E	33	N	4.7	1.3	19	KYRGYZSTAN. Felt (II) at Zhambyl, Kazakhstan.
13	13	39	32.3	51.703	N	173.392	W	33	N	4.4	1.1	59	ANDREANOF ISLANDS, ALEUTIAN IS.
13	13	44	26.1&	33.151	S	70.047	W	12				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.1 (GUC).
13	13	46	26.3*	51.359	N	177.600	W	33	N	3.8	1.2	22	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.0 (PMR). Felt on Adak.
13	14	07	30.9*	27.817	S	177.173	W	100	G	4.2	0.9	21	KERMADEC ISLANDS REGION
13	14	25	14.1	7.289	S	145.238	E	33	N	4.0	1.1	23	NEAR S COAST OF NEW GUINEA, PNG.
13	14	49	24.8&	44.635	N	6.840	E	1				21	FRANCE. <GEN>. ML 2.2 (GEN), 2.2 (LDG), 1.9 (STR).
13	15	04	24.0&	33.347	S	70.089	W	123				14	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.1 (GUC).
13	15	09	23.9?	12.58	N	86.47	W	33	N	3.6	0.9	6	NICARAGUA
13	15	33	12.9*	40.125	N	77.316	E	33	N	4.0	1.3	16	KYRGYZSTAN-XINJIANG BORDER REG.
13	15	48	19.5&	44.418	N	7.387	E	0				8	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
13	16	01	42.4?	12.35	N	86.68	W	33	N	3.8	0.9	9	NICARAGUA
13	16	11	05.4&	16.896	N	93.904	W	187				9	CHIAPAS, MEXICO. <UNM>. MD 4.1 (UNM).
13	16	15	16.6*	47.903	N	152.892	E	200	G	3.5	0.9	11	KURIL ISLANDS
13	16	21	14.1*	36.141	N	141.374	E	60	?	3.4	1.1	19	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in Ibaraki Prefecture.
13	16	38	00.0*	12.429	S	74.379	W	33	N	4.0	0.8	11	CENTRAL PERU
13	16	58	43.2*	59.913	S	18.840	W	10	G	4.8	0.8	17	SOUTHWESTERN ATLANTIC OCEAN
13	17	01	03.3&	28.780	N	15.490	W	0	G			5	CANARY ISLANDS REGION. <MDD>. mbLg 3.1 (MDD).
13	17	09	17.7	52.222	N	174.156	E	33	N	4.9	0.9	143	NEAR ISLANDS, ALEUTIAN ISLANDS. Mw 5.0 (HRV). ML 4.8 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 17:09:22.3; Lat 52.22 N Fix; Lon 174.16 E Fix; Dep 32.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.80, Plg=61, Azm=41; (N) Val=-1.22, Plg=21, Azm=265; (P) Val=-2.58, Plg=18, Azm=167; Best double couple: Mo=3.2*10**16 Nm; NP1: Strike=227, Dip=33, Slip=48; NP2: Strike=95, Dip=66, Slip=113.
13	17	16	10.0&	43.851	N	71.260	W	8				12	VERMONT-NEW HAMPSHIRE REGION. <PAL-P>. mbLg 2.7 (GS).
13	17	48	25.7*	60.549	S	19.576	W	10	G	4.7	1.2	9	SOUTHWESTERN ATLANTIC OCEAN
13	17	58	28.4&	64.252	N	150.032	W	28				61	CENTRAL ALASKA. <AEIC>. ML 3.9 (AEIC), 3.9 (PMR).
13	18	26	34.3&	18.050	N	65.460	W	14				8	PUERTO RICO REGION. <MPR>. MD 3.7 (MPR).
13	18	41	12.2?	5.32	S	148.73	E	100	G	4.0	0.9	14	NEW BRITAIN REGION, P.N.G.
13	19	55	27.9?	17.40	S	167.10	E	33	N	3.7	1.0	8	VANUATU ISLANDS
13	20	00	43.0?	9.76	N	125.92	E	100	G	4.1	1.2	11	MINDANAO, PHILIPPINE ISLANDS
13	21	02	35.9*	30.118	N	67.851	E	33	N	4.1	1.3	19	PAKISTAN
13	21	30	53.4&	33.143	S	70.253	W	106				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
13	22	09	32.4?	55.66	S	128.26	W	10	G	4.7	1.0	14	PACIFIC-ANTARCTIC RIDGE
13	23	01	46.9	7.567	N	71.944	W	33	N	4.7 4.5	0.9	66	VENEZUELA
13	23	05	42.3*	14.842	S	174.126	W	33	N	4.5	0.9	21	SAMOA ISLANDS REGION
13	23	13	19.9	46.387	N	15.116	E	10	G		0.5	8	NORTHWESTERN BALKAN REGION. ML 2.0 (VIE).
13	23	27	33.0?	27.90	N	111.70	W	10	G		1.3	10	GULF OF CALIFORNIA
13	23	44	13.2*	8.701	S	119.337	E	33	N	4.1	1.3	9	FLORES REGION, INDONESIA
13	23	53	10.2?	58.44	S	147.31	E	10	G	4.3	1.2	16	WEST OF MACQUARIE ISLAND
14	00	08	07.8	36.358	N	71.105	E	219	D	5.1	0.9	343	AFGHANISTAN-TAJIKISTAN BORD REG. Mw 5.5 (HRV). Felt (III) at Toshkent, Uzbekistan. Centroid, Moment Tensor (HRV): Centroid origin time 00:08:09.8; Lat 36.36 N; Lon 70.94 E; Dep 228.0; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=1.96, Plg=71, Azm=332; (N) Val=-0.01, Plg=8, Azm=86; (P) Val=-1.95, Plg=17, Azm=179; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=281, Dip=29, Slip=107; NP2: Strike=82, Dip=63, Slip=81.
14	00	45	29.2?	51.09	N	177.02	W	33	N	3.3	1.5	6	ANDREANOF ISLANDS, ALEUTIAN IS.
14	00	45	32.1&	43.853	N	7.750	E	6				17	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 1.9 (GEN), 1.8 (LDG).
14	00	59	51.6*	17.245	N	73.516	E	33	N	4.4	1.5	28	SOUTHERN INDIA. Felt in the Karad area.
14	01	07	26.3&	30.611	S	72.226	W	53				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
14	01	32	54.7*	48.405	N	152.885	E	200	G	4.4	1.0	17	KURIL ISLANDS
14	01	35	59.9	39.870	S	174.339	E	116		4.4	0.6	24	NORTH ISLAND, NEW ZEALAND
14	01	49	50.0&	30.656	S	72.161	W	50				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
14	02	15	02.6&	63.077	N	150.944	W	129		4.6		235	CENTRAL ALASKA. <AEIC>. Felt at Talkeetna.
14	02	44	56.6	24.176	N	108.743	W	33	N	4.4	1.2	53	GULF OF CALIFORNIA
14	02	59	33.7&	30.714	S	71.515	W	67				31	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.6 (GUC).
14	03	33	40.8*	51.049	N	176.396	W	33	N	3.4	1.1	13	ANDREANOF ISLANDS, ALEUTIAN IS.
14	05	45	27.8	51.116	N	130.011	W	10	G	3.8	1.0	38	QUEEN CHARLOTTE ISLANDS REGION. ML 3.9 (PGC).
14	05	48	16.5	13.988	N	145.551	E	121	*	4.5	0.9	26	MARIANA ISLANDS
14	06	08	45.7*	52.896	N	168.539	W	33	N		1.3	9	FOX ISLANDS, ALEUTIAN ISLANDS
14	06	19	09.8*	51.150	N	129.924	W	10	G	3.6	1.4	17	QUEEN CHARLOTTE ISLANDS REGION. ML 3.6 (PGC).
14	06	26	31.6*	19.031	S	175.053	W	33	N	4.6	1.1	47	TONGA ISLANDS
14	06	40	28.0	7.654	N	72.097	W	33	N	4.3	1.0	35	NORTHERN COLOMBIA
14	06	54	19.2	52.612	N	32.639	W	10	G	4.8 4.9	0.9	192	NORTH ATLANTIC OCEAN. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:54:22.8; Lat 52.58 N; Lon 32.49 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.78, Plg=10, Azm=49; (N) Val=-0.38, Plg=75, Azm=277; (P) Val=-1.40, Plg=11, Azm=141; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=185, Dip=75, Slip=0; NP2: Strike=275, Dip=90, Slip=-165.
14	06	56	27.8&	31.596	S	69.391	W	193				12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.7 (GUC).
14	06	59	51.3*	30.275	S	178.263	W	200	G	4.5	1.1	26	KERMADEC ISLANDS, NEW ZEALAND
14	07	19	08.7&	7.949	N	82.530	W	37				4	SOUTH OF PANAMA. <UPA>. MD 3.4 (UPA).
14	07	35	09.6&	62.213	N	151.091	W	70				112	CENTRAL ALASKA. <AEIC>. ML 4.0 (AEIC), 3.9 (PMR).
14	07	52	23.8*	4.198	S	151.919	E	300	G	4.3	0.7	18	NEW BRITAIN REGION, P.N.G.
14	07	53	15.8&	11.302	N	62.187	W	28				7	WINDWARD ISLANDS. <TRN>. MD 3.1 (TRN).
14	08	05	21.9?	6.46	S	151.68	E	33	N	3.9	1.5	10	NEW BRITAIN REGION, P.N.G.
14	08	05	40.7?	20.35	S	179.11	W	600	G	4.0	0.9	10	FIJI ISLANDS REGION
14	08	20	52.0	3.179	N	128.247	E	68	*	4.6	1.1	36	NORTH OF HALMAHERA, INDONESIA
14	08	55	48.3*	52.936	N	32.669	W	10	G	4.1	1.1	32	NORTH ATLANTIC OCEAN

14	09	02	15.8?	51.61	N	179.44	W	100	G	3.6	1.0	7	ANDREANOF ISLANDS, ALEUTIAN IS.
14	09	02	53.1*	52.652	N	32.756	W	10	G	4.3	1.1	34	NORTH ATLANTIC OCEAN
14	09	47	38.3	29.119	S	69.564	W	33	N		1.2	19	CHILE-ARGENTINA BORDER REGION
14	12	18	07.3&	9.207	N	83.985	W	28				4	COSTA RICA. <UPA>. MD 3.6 (UPA).
14	12	31	14.0*	11.326	S	165.075	E	33	N	4.8	1.2	41	SANTA CRUZ ISLANDS
14	12	47	07.9&	59.525	N	152.448	W	72				75	SOUTHERN ALASKA. <AEIC>.
14	13	04	05.6&	59.796	N	152.424	W	75				76	SOUTHERN ALASKA. <AEIC>.
14	13	41	26.5&	61.417	N	149.812	W	32				79	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
14	14	44	09.2	52.719	N	32.645	W	10	G	4.2	0.8	35	NORTH ATLANTIC OCEAN
14	14	51	17.5&	37.668	N	118.850	W	5				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
14	15	16	53.3&	43.000	N	0.100	E	2				6	FRANCE. <LDG>. ML 2.3 (LDG).
14	15	25	53.5	76.112	N	119.021	W	10	G	4.0	1.1	22	QUEEN ELIZABETH ISLANDS, CANADA
14	15	33	32.1?	38.68	S	176.31	E	150	G		0.3	9	NORTH ISLAND, NEW ZEALAND
14	17	35	02.7&	52.223	N	159.230	E	33	N		0.7	8	OFF EAST COAST OF KAMCHATKA
14	19	39	53.8	6.220	N	123.789	E	600	G	4.7	1.0	49	MINDANAO, PHILIPPINE ISLANDS
14	19	51	34.9	6.373	N	126.983	E	87	D	4.7	1.0	58	MINDANAO, PHILIPPINE ISLANDS
14	20	22	21.9&	33.436	S	68.107	W	20				17	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 4.6 (GUC).
14	20	40	01.3&	9.055	N	79.641	W	8				4	PANAMA. <UPA>. MD 2.6 (UPA).
14	21	15	53.4*	4.564	N	127.582	E	336	*	3.9	0.8	16	TALAUD ISLANDS, INDONESIA
14	21	28	18.1?	27.51	N	44.94	W	10	G	3.9	1.5	9	NORTHERN MID-ATLANTIC RIDGE
14	22	47	38.6*	7.028	S	128.979	E	33	N	4.1	1.5	11	BANDA SEA
14	23	11	34.2*	52.453	N	168.567	W	33	N	4.0	0.9	19	FOX ISLANDS, ALEUTIAN ISLANDS
14	23	33	30.8&	62.518	N	151.270	W	88				41	CENTRAL ALASKA. <AEIC>.
15	00	04	48.6?	6.59	S	129.92	E	100	G	3.6	1.5	10	BANDA SEA
15	00	17	49.2*	51.669	N	173.197	W	33	N		1.3	8	ANDREANOF ISLANDS, ALEUTIAN IS.
15	01	07	09.7*	37.245	N	69.834	E	33	N	3.7	1.4	12	AFGHANISTAN-TAJIKISTAN BORD REG.
15	02	47	16.3*	22.135	N	145.693	E	33	N	3.8	1.2	10	NORTH PACIFIC OCEAN
15	03	17	09.9&	8.414	N	82.956	W	10				4	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.6 (UPA).
15	03	38	50.3?	54.22	S	133.13	W	10	G	4.8	1.2	15	PACIFIC-ANTARCTIC RIDGE
15	03	40	37.3&	43.150	N	1.770	W	4				19	PYRENEES. <MDD>. ML 2.6 (LDG). mbLg 2.3 (MDD).
15	04	56	38.9	41.873	N	15.783	E	33	N	4.4	1.4	28	SOUTHERN ITALY
15	05	13	46.0?	38.19	S	177.32	E	150	G		0.7	9	NORTH ISLAND, NEW ZEALAND
15	05	22	27.9&	7.055	N	81.467	W	7				9	PANAMA. <UPA>. MD 4.4 (UPA).
15	05	28	57.4&	46.800	N	2.200	W	7				13	BAY OF BISCAY. <LDG>. ML 2.6 (LDG).
15	05	56	06.3*	18.043	S	178.473	W	600	G	4.4	1.1	27	FIJI ISLANDS REGION
15	06	32	13.8*	2.711	S	142.059	E	33	N	3.2	1.4	8	NEAR N COAST OF NEW GUINEA, PNG.
15	06	59	07.2&	32.585	S	70.151	W	110				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.0 (GUC).
15	07	00	08.5	43.313	N	20.963	E	33	N		0.7	16	NORTHWESTERN BALKAN REGION
15	07	06	52.0&	7.651	N	81.758	W	75				5	PANAMA. <UPA>. MD 3.3 (UPA).
15	07	48	56.6*	15.069	N	145.774	E	150	G	3.3	1.1	12	MARIANA ISLANDS
15	07	49	46.1&	19.000	N	65.340	W	56				5	PUERTO RICO REGION. <MPR>. MD 3.2 (MPR).
15	08	04	51.4&	54.095	N	164.062	W	11				17	UNIMAK ISLAND REGION. <AEIC>. ML 3.3 (AEIC).
15	08	08	01.2	0.718	N	126.223	E	33	N	4.5	1.1	38	NORTHERN MOLUCCA SEA. Felt (II) at Tondano, Sulawesi.
15	08	16	38.2*	2.410	N	126.219	E	33	N	4.3	1.1	13	NORTHERN MOLUCCA SEA
15	09	44	13.2&	38.624	N	26.403	E	10	G			7	AEGEAN SEA. <ISK>. MD 3.2 (ISK).
15	09	45	26.5&	39.321	N	122.795	W	12				8	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
15	09	55	25.6&	7.530	N	80.654	W	0				6	PANAMA. <UPA>. MD 3.6 (UPA).
15	10	09	38.4*	16.783	N	120.578	E	33	N	4.1	0.7	9	LUZON, PHILIPPINE ISLANDS
15	11	32	21.4*	32.217	S	179.682	W	200	G	4.5	0.8	20	SOUTH OF KERMADEC ISLANDS
15	11	43	04.1&	44.454	N	7.293	E	15				27	NORTHERN ITALY. <GEN>. ML 2.6 (GEN), 2.3 (LDG).
15	11	59	36.9*	38.503	N	22.281	E	33	N	3.5	1.3	13	GREECE
15	13	07	47.7*	54.222	N	161.224	E	33	N	3.6	1.2	13	NEAR EAST COAST OF KAMCHATKA
15	13	39	07.3&	32.680	S	71.545	W	31				7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
15	13	45	53.4&	39.899	N	26.806	E	10	G			7	TURKEY. <ISK>. MD 2.9 (ISK).
15	14	30	51.8*	45.533	N	26.430	E	150	G		0.6	8	ROMANIA
15	14	53	32.9&	47.958	N	7.280	E	10				4	SWITZERLAND. <LDG>. ML 1.9 (LDG).
15	15	25	15.6&	37.820	N	4.080	W	7				15	SPAIN. <MDD>. mbLg 1.9 (MDD).
15	15	43	00.8*	37.230	N	71.732	E	100	G	4.2	0.9	12	AFGHANISTAN-TAJIKISTAN BORD REG.
15	16	03	45.7*	36.604	N	22.251	E	33	N	3.9	1.4	39	SOUTHERN GREECE
15	16	26	55.2*	41.043	S	174.535	E	100	G	3.7	1.2	8	COOK STRAIT, NEW ZEALAND. Felt at Wellington on the North Island.
15	16	37	25.2*	21.840	N	145.562	E	33	N	3.7	0.9	15	MARIANA ISLANDS REGION
15	16	45	53.1&	18.490	N	67.440	W	6				4	MONA PASSAGE. <MPR>. MD 2.6 (MPR).
15	16	51	54.4*	21.368	N	146.487	E	33	N	3.8	1.0	13	MARIANA ISLANDS REGION
15	17	31	21.8*	27.006	S	27.297	E	10	G		0.6	5	REPUBLIC OF SOUTH AFRICA
15	17	37	20.6*	45.476	N	38.831	E	33	N	3.8	1.3	19	UKRAINE-MOLDOVA-SW RUSSIA REGION. Felt (IV) at Dinskaya, Krasnodar and Timashevsk; (III) at Kropotkin and Ust-Labinsk, Russia.
15	17	50	06.6*	10.789	S	165.742	E	200	G	4.1	1.1	11	SANTA CRUZ ISLANDS
15	17	55	26.3	4.132	S	128.112	E	10	G	4.5	1.2	23	BANDA SEA
15	17	58	00.0&	54.581	N	160.970	W	0				14	ALASKA PENINSULA. <AEIC>. ML 2.9 (AEIC).
15	18	31	16.2&	59.881	N	153.255	W	121				65	SOUTHERN ALASKA. <AEIC>.
15	18	41	47.9&	18.200	N	66.950	W	29				5	PUERTO RICO REGION. <MPR>. MD 2.4 (MPR).
15	18	57	51.0*	39.543	S	175.670	E	5	G		0.9	5	NORTH ISLAND, NEW ZEALAND. ML 4.0 (WEL).
15	19	49	25.4	27.256	N	128.272	E	57		3.8	0.9	22	RYUKYU ISLANDS
15	19	54	21.6&	46.300	N	2.800	E	10				4	FRANCE. <LDG>. ML 1.1 (LDG).
15	20	19	36.3&	47.680	N	7.470	E	2				28	SWITZERLAND. <STR>. ML 2.1 (LDG), 1.8 (STR).
15	21	39	11.7&	10.788	N	59.359	W	159				6	NORTH ATLANTIC OCEAN. <TRN>. MD 3.5 (TRN).
15	21	45	31.7	51.223	N	176.605	W	58	D	4.4	1.1	52	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
15	22	04	50.4&	39.400	N	2.990	W	10				7	SPAIN. <MDD>. mbLg 2.2 (MDD).
16	00	07	53.1*	12.267	N	88.218	W	33	N	4.5	0.9	18	OFF COAST OF CENTRAL AMERICA
16	00	58	12.8?	47.85	N	154.95	E	33	N		1.4	11	KURIL ISLANDS
16	02	40	29.4*	8.480	S	120.960	E	110	*	3.8	1.1	11	FLORES REGION, INDONESIA
16	03	03	11.0&	59.503	N	152.301	W	63				88	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC).
16	03	10	48.5&	33.670	S	70.928	W	90				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
16	03	24	24.8*	33.902	S	57.966	E	10	G	4.6	1.0	34	SOUTHWEST INDIAN RIDGE
16	06	01	44.6&	39.543	N	29.529	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
16	06	09	53.6*	53.596	N	170.042	E	33	N	4.4	1.1	24	NEAR ISLANDS, ALEUTIAN ISLANDS
16	07	16	49.0	39.470	S	175.500	E	13		4.3	1.2	29	NORTH ISLAND, NEW ZEALAND. ML 4.6 (WEL). Felt at Waiouru.
16	07	29	09.3*	23.571	N	94.734	E	97	D	4.3	0.9	15	MYANMAR-INDIA BORDER REGION
16	08	11	45.9&	8.381	N	82.879	W	0				7	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.5 (UPA).
16	08	21	59.4*	5.515	S	147.095	E	197		4.7	1.0	15	EASTERN NEW GUINEA REG., P.N.G.
16	08	56	59.9&	40.357	N	29.708	E	9				8	TURKEY. <ISK>. MD 3.0 (ISK).

16	09	11	19.4?	1.72	N	96.22	E	33	N	3.3		0.8	6	OFF W COAST OF NORTHERN SUMATERA
16	09	12	49.0?	21.91	S	170.49	E	150	G	4.4		0.8	8	LOYALTY ISLANDS REGION
16	09	19	32.0*	3.860	S	145.055	E	33	N	4.1		1.4	16	NEAR N COAST OF NEW GUINEA, PNG.
16	09	30	48.9*	1.114	N	128.502	E	33	N	4.0		0.5	6	HALMAHERA, INDONESIA
16	09	54	43.3*	7.004	N	82.408	W	33	N	3.4		0.3	7	SOUTH OF PANAMA. MD 3.3 (UPA).
16	10	31	28.6?	10.78	N	85.29	W	33	N	3.6		1.3	12	COSTA RICA
16	10	53	58.6&	32.594	S	71.681	W	30					13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
16	11	16	55.1	20.944	N	146.135	E	33	N	4.7	4.3	1.1	52	MARIANA ISLANDS REGION
16	11	33	34.0?	21.75	S	68.28	W	145	*	3.5		0.8	7	CHILE-BOLIVIA BORDER REGION
16	11	44	29.6&	37.647	N	118.884	W	7					9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
16	12	11	59.2*	46.238	N	15.896	E	10	G			0.9	5	NORTHWESTERN BALKAN REGION. ML 1.6 (LJU).
16	12	16	38.6&	32.590	S	71.701	W	29					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
16	12	18	41.5&	32.595	S	71.697	W	29					9	NEAR COAST OF CENTRAL CHILE. <GUC>.
16	12	56	58.4&	37.647	N	118.883	W	8					34	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (BRK).
16	13	08	07.9*	17.738	S	70.239	W	127	*	3.6		0.9	11	NEAR COAST OF PERU
16	13	12	46.1&	37.671	N	118.893	W	1					6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
16	13	36	15.4	52.693	N	33.747	W	10	G	4.8	4.9	1.2	115	NORTH ATLANTIC OCEAN. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:36:18.2; Lat 52.65 N; Lon 33.60 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.75, Plg=13, Azm=48; (N) Val=-0.04, Plg=64, Azm=291; (P) Val=-1.71, Plg=23, Azm=143; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=183, Dip=65, Slip=-8; NP2: Strike=277, Dip=83, Slip=-155.
16	13	45	18.9&	42.834	N	13.032	E	10		3.9			73	CENTRAL ITALY. <ROM>. ML 3.9 (STR), 3.8 (VIE), 3.6 (LDG). MD 3.5 (ROM).
16	14	02	22.6*	21.003	N	146.578	E	33	N	3.6		0.6	7	MARIANA ISLANDS REGION
16	14	55	11.4	42.624	N	143.376	E	62	D	4.4		1.1	35	HOKKAIDO, JAPAN REGION. Felt (II JMA) in southeastern Hokkaido.
16	15	02	07.2	10.518	N	64.521	W	38		4.7		1.1	65	NEAR COAST OF VENEZUELA. MD 4.2 (TRN).
16	15	09	36.7*	10.573	N	64.560	W	33	N	4.3		1.1	17	NEAR COAST OF VENEZUELA. MD 4.0 (TRN).
16	15	12	27.4*	22.063	S	176.598	W	100	G	4.4		1.1	24	SOUTH OF FIJI ISLANDS
16	15	19	58.6&	48.400	N	4.400	W	2					15	FRANCE. <LDG>. ML 2.7 (LDG).
16	16	51	51.5	7.158	S	129.057	E	139		5.1		1.0	74	BANDA SEA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:51:58.4; Lat 7.16 S; Lon 129.15 E; Dep 178.4; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.47, Plg=8, Azm=305; (N) Val=1.41, Plg=50, Azm=45; (P) Val=-8.88, Plg=39, Azm=208; Best double couple: Mo=8.2*10**16 Nm; NP1: Strike=354, Dip=57, Slip=-156; NP2: Strike=251, Dip=70, Slip=-35.
16	17	38	05.0*	43.392	N	126.868	W	10	G	2.9		0.5	33	OFF COAST OF OREGON
16	17	47	17.3	10.464	S	120.063	E	33	N	3.6		1.1	10	SUMBA REGION, INDONESIA
16	18	00	10.6*	0.244	S	121.637	E	174	?	3.7		0.9	10	MINAHASSA PENINSULA, SULAWESI
16	18	05	33.7	54.684	N	161.663	E	100	G	4.4		0.8	20	NEAR EAST COAST OF KAMCHATKA
16	18	17	07.3*	3.504	S	139.360	E	100	G	4.6		1.2	10	IRIAN JAYA, INDONESIA
16	19	21	19.1*	36.503	N	71.154	E	217	*	4.0		0.7	12	AFGHANISTAN-TAJIKISTAN BORD REG.
16	19	22	40.7&	37.647	N	118.883	W	7					6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
16	19	46	06.2*	3.688	S	142.016	E	33	N	4.4		1.0	14	NEAR N COAST OF NEW GUINEA, PNG.
16	20	17	24.5*	17.612	S	168.157	E	256	*	3.9		1.3	12	VANUATU ISLANDS
16	20	24	44.5*	16.318	N	60.872	W	30	*	4.2		0.6	11	LEEWARD ISLANDS. MD 3.8 (TRN).
16	20	34	30.5*	11.727	S	120.188	E	33	N	3.8		0.9	8	SOUTH OF SUMBA, INDONESIA
16	20	40	23.3&	14.646	N	60.673	W	31					7	WINDWARD ISLANDS. <TRN>. MD 3.2 (TRN).
16	20	54	42.7&	36.500	N	2.950	W	0	G				12	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.4 (MDD).
16	21	04	12.7	42.468	N	126.428	W	10	G	4.3		0.9	74	OFF COAST OF OREGON
16	21	08	30.3&	34.846	S	71.088	W	100					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.7 (GUC).
16	23	53	19.7	52.718	N	33.677	W	10	G	6.1	6.6	0.8	447	NORTH ATLANTIC OCEAN. Mw 6.8 (HRV), 6.7 (GS). Me 7.3 (GS). Ms 6.5 (BRK). Broadband Source Parameters (GS): Dep 8; NP1: Strike=188, Dip=88, Slip=1; NP2: Strike=98, Dip=89, Slip=178; Radiated energy 2.2*10**15 Nm. Moment Tensor (GS): Dep 14; Principal axes (scale 10**19 Nm): (T) Val=1.00, Plg=5, Azm=243; (N) Val=0.18, Plg=83, Azm=97; (P) Val=-1.18, Plg=4, Azm=333; Best double couple: Mo=1.1*10**19 Nm; NP1: Strike=18, Dip=84, Slip=1; NP2: Strike=288, Dip=89, Slip=174. Centroid, Moment Tensor (HRV): Centroid origin time 23:53:27.2; Lat 52.76 N; Lon 33.78 W; Dep 15.0 Fix; Half-duration 5.7 sec; Principal axes (scale 10**19 Nm): (T) Val=1.41, Plg=7, Azm=50; (N) Val=0.12, Plg=67, Azm=303; (P) Val=-1.53, Plg=22, Azm=142; Best double couple: Mo=1.5*10**19 Nm; NP1: Strike=184, Dip=70, Slip=-11; NP2: Strike=278, Dip=80, Slip=-159.
17	00	31	20.5&	43.871	N	7.829	E	5					16	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.2 (GEN), 2.0 (LDG).
17	00	48	57.1?	9.70	N	58.10	E	10	G			1.4	12	CARLSBERG RIDGE
17	01	20	22.0	37.266	N	20.740	E	33	N	4.1		0.9	60	IONIAN SEA
17	02	27	49.3?	6.77	N	73.02	W	171	?	3.4		1.4	6	NORTHERN COLOMBIA
17	02	33	32.7&	30.956	S	71.201	W	89					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
17	02	50	02.2	37.202	N	20.868	E	33	N	3.7		0.9	28	IONIAN SEA
17	02	53	12.1?	54.25	N	35.12	W	10	G	3.1		1.1	8	NORTH ATLANTIC OCEAN
17	03	02	39.3&	36.580	N	2.960	W	0	G				6	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.8 (MDD).
17	03	16	10.2?	46.38	N	15.09	E	10	G			0.2	4	NORTHWESTERN BALKAN REGION. ML 2.0 (VIE).
17	04	28	55.6?	9.52	S	112.33	E	33	N			0.6	5	SOUTH OF JAWA, INDONESIA
17	04	35	31.2?	45.53	N	26.59	E	100	G			0.9	5	ROMANIA
17	04	53	35.9?	14.17	N	91.25	W	33	N	4.1		1.1	18	GUATEMALA. MD 4.6 (UNM).
17	04	58	20.9*	35.311	N	26.837	E	33	N	3.7		1.3	22	CRETE
17	05	02	11.7	52.955	N	33.905	W	10	G	4.2		1.0	28	NORTH ATLANTIC OCEAN
17	05	31	01.5	3.060	S	129.349	E	33	N	4.5	4.2	1.4	31	SERAM, INDONESIA
17	05	36	21.3	46.496	N	14.302	E	10	G			0.7	8	NORTHWESTERN BALKAN REGION. ML 2.5 (VIE), 1.8 (LJU).
17	05	39	16.3&	60.135	N	152.803	W	114					49	SOUTHERN ALASKA. <AEIC>.
17	06	18	22.4&	15.619	N	96.450	W	16					7	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.0 (UNM).
17	07	04	38.9?	24.86	S	179.33	E	600	G	4.2		0.7	10	SOUTH OF FIJI ISLANDS

17	07	31	36.2?	6.35	S	130.54	E	150	G	4.1		1.2	10	BANDA SEA
17	08	04	45.7*	49.186	N	155.933	E	61	D	3.9		0.8	8	KURIL ISLANDS
17	08	15	59.3*	26.683	N	126.088	E	73	?	4.3		0.6	9	RYUKYU ISLANDS
17	08	16	26.5?	13.60	N	92.45	W	33	N	4.0		1.3	13	OFF COAST OF CHIAPAS, MEXICO. MD 4.4 (UNM).
17	08	19	47.5?	13.52	N	92.46	W	33	N	4.1		1.5	15	OFF COAST OF CHIAPAS, MEXICO. MD 4.6 (UNM).
17	08	35	24.2&	60.137	N	153.951	W	165					48	SOUTHERN ALASKA. <AEIC>.
17	09	54	28.4&	8.438	S	119.511	E	200	G			0.8	6	FLORES REGION, INDONESIA
17	10	52	17.4&	37.010	N	1.850	W	0	G				7	SPAIN. <MDD>. mbLg 2.7 (MDD).
17	11	08	07.8	37.968	N	23.933	W	10	G	4.3		1.2	23	AZORES ISLANDS REGION
17	11	22	41.5&	60.067	N	153.218	W	129					50	SOUTHERN ALASKA. <AEIC>.
17	11	39	28.8&	32.642	S	71.483	W	22					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
17	12	20	55.8*	32.235	N	141.247	E	33	N	3.6		1.3	10	SOUTH OF HONSHU, JAPAN
17	12	49	27.0	52.453	N	33.817	W	10	G	4.2		0.8	27	NORTH ATLANTIC OCEAN
17	13	56	00.3	21.447	N	45.619	W	10	G	5.0	4.9	0.8	134	NORTHERN MID-ATLANTIC RIDGE. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:55:59.8; Lat 21.42 N; Lon 45.29 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.86, Plg=17, Azm=130; (N) Val=-2.48, Plg=36, Azm=27; (P) Val=-6.38, Plg=49, Azm=241; Best double couple: Mo=7.6*10**16 Nm; NP1: Strike=260, Dip=42, Slip=-29; NP2: Strike=12, Dip=71, Slip=-128.
17	15	00	22.9?	52.65	N	168.75	W	33	N	3.1		0.5	5	FOX ISLANDS, ALEUTIAN ISLANDS
17	15	08	32.2	12.598	N	142.287	E	176	*	4.4		0.8	27	SOUTH OF MARIANA ISLANDS
17	15	21	28.8	1.947	S	118.465	E	33	N	4.8	4.4	1.0	51	SULAWESI, INDONESIA
17	15	43	15.8?	8.48	S	148.25	E	100	G	3.4		0.5	7	EASTERN NEW GUINEA REG., P.N.G.
17	15	51	57.3*	38.820	N	21.511	E	33	N	3.5		1.3	16	GREECE
17	16	00	52.0*	20.401	S	175.438	W	33	N	4.5		1.1	26	TONGA ISLANDS
17	16	06	31.9*	7.323	N	72.294	W	67	?	4.2		1.1	20	NORTHERN COLOMBIA
17	16	46	30.2?	12.06	N	86.60	W	33	N	4.0		0.9	10	NICARAGUA
17	17	16	44.0&	33.138	S	72.038	W	15					12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
17	18	20	16.6&	44.472	N	7.260	E	16					32	NORTHERN ITALY. <GEN>. ML 2.6 (GEN), 2.5 (LDG), 2.3 (STR).
17	18	24	30.2*	10.536	S	124.112	E	33	N	3.7		1.1	6	TIMOR REGION, INDONESIA
17	18	38	29.3&	61.294	N	140.435	W	0					28	SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 2.9 (AEIC).
17	19	09	26.7&	34.419	S	70.540	W	5					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
17	19	15	27.7*	29.848	N	67.861	E	33	N	3.9		1.2	10	PAKISTAN
17	20	07	42.8	8.516	S	74.216	W	156	D	4.0		0.7	17	PERU-BRAZIL BORDER REGION
17	20	15	00.7?	10.43	S	120.24	E	33	N	3.2		1.5	6	SUMBA REGION, INDONESIA
17	21	07	19.7&	32.507	S	71.693	W	28					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
17	21	31	51.1*	24.246	N	125.177	E	25	D	4.1		1.1	18	SOUTHWESTERN RYUKYU ISLANDS
17	21	50	10.0&	9.112	N	79.679	W	0					4	PANAMA. <UPA>. MD 2.5 (UPA).
17	22	08	39.0&	39.900	N	120.460	W	10					49	NORTHERN CALIFORNIA. <REN-P>. Mw 4.1 (BRK). MD 4.0 (REN). ML 4.5 (BRK), 4.2 (GS). Small items knocked from shelves at Portola. Felt at Grass Valley, Pollock Pines and Quincy. Also felt at Reno, Nevada. Scalar Moment (BRK): Mo=1.7*10**15 Nm.
17	22	18	06.5&	8.502	N	82.884	W	4					9	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.9 (UPA).
17	22	27	51.7&	38.881	N	26.013	E	10	G				4	AEGEAN SEA. <ISK>. MD 3.2 (ISK).
17	22	35	55.2&	37.016	N	27.934	E	10	G				6	TURKEY. <ISK>. MD 3.3 (ISK).
17	23	13	27.3&	9.040	N	79.663	W	0					4	PANAMA. <UPA>. MD 2.5 (UPA).
17	23	35	33.9*	28.195	N	129.278	E	61	D	3.8		1.1	12	RYUKYU ISLANDS. Felt (I JMA) on Amami O-shima.
17	23	49	41.2*	22.038	S	176.731	W	150	G	4.3		0.9	26	SOUTH OF FIJI ISLANDS
18	00	19	29.5	46.405	N	15.063	E	5	G			0.9	7	NORTHWESTERN BALKAN REGION. ML 1.1 (LJU).
18	00	29	28.2&	33.623	S	70.804	W	70	G			0.2	12	CHILE-ARGENTINA BORDER REGION. MD 3.1 (GUC).
18	00	51	07.5&	10.645	N	60.905	W	45					4	TRINIDAD. <TRN>. MD 2.6 (TRN).
18	00	54	04.2&	35.120	S	71.090	W	105					12	CENTRAL CHILE. <GUC>. MD 2.9 (GUC).
18	00	57	29.4*	24.781	N	122.660	E	113	D	4.0		1.0	16	TAIWAN REGION
18	00	57	34.7&	35.364	S	71.321	W	111					12	CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
18	01	13	57.5*	36.934	N	69.989	E	91	?	4.1		1.0	17	HINDU KUSH REGION, AFGHANISTAN
18	01	42	08.7?	36.69	N	70.75	E	298	?	3.5		1.0	12	HINDU KUSH REGION, AFGHANISTAN
18	01	45	23.1*	3.768	S	101.881	E	52	D	4.6		0.6	20	SOUTHERN SUMATERA, INDONESIA
18	02	36	39.3&	34.240	S	71.001	W	86					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.3 (GUC).
18	03	07	49.7&	43.500	N	7.500	E	18					22	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.5 (GEN), 1.9 (LDG).
18	04	37	27.8*	50.697	N	15.783	E	10	G			1.5	5	CZECH AND SLOVAK REPUBLICS. ML 3.0 (VIE).
18	05	05	50.1&	34.473	S	69.892	W	8					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
18	05	07	03.5&	7.877	N	82.300	W	20					9	SOUTH OF PANAMA. <UPA>. MD 3.8 (UPA).
18	05	19	03.2&	36.660	N	3.030	W	0	G				8	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.1 (MDD).
18	05	57	33.5&	44.470	N	7.263	E	15					9	NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
18	06	17	30.3*	5.950	S	133.593	E	33	N	4.2		1.2	10	ARU ISLANDS REGION, INDONESIA
18	06	20	59.1*	29.416	N	105.537	E	33	N	4.0		1.1	9	SICHUAN, CHINA
18	06	57	14.0&	7.605	N	78.845	W	24					6	PANAMA. <UPA>. MD 3.4 (UPA).
18	07	08	12.4&	9.485	N	79.915	W	49					6	PANAMA. <UPA>. MD 2.8 (UPA).
18	07	24	08.9&	31.744	S	69.638	W	142					14	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 4.0 (GUC).
18	07	24	50.1	15.507	S	173.813	W	100	D	5.0		0.8	106	TONGA ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:24:57.3; Lat 15.54 S; Lon 173.30 W; Dep 123.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.91, Plg=39, Azm=245; (N) Val=-4.02, Plg=30, Azm=127; (P) Val=-4.89, Plg=36, Azm=11; Best double couple: Mo=6.9*10**16 Nm; NP1: Strike=41, Dip=31, Slip=4; NP2: Strike=308, Dip=88, Slip=120.
18	07	37	11.4&	8.520	N	82.557	W	17					4	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.1 (UPA).
18	07	47	18.6*	26.828	S	26.186	E	5	G			1.2	11	REPUBLIC OF SOUTH AFRICA
18	08	09	47.0	61.791	N	149.869	W	33	N			1.0	11	SOUTHERN ALASKA. ML 3.1 (PMR).
18	08	16	35.4*	13.751	N	91.675	W	33	N	4.3		1.1	19	NEAR COAST OF GUATEMALA
18	08	29	57.9&	18.130	N	66.890	W	14					7	PUERTO RICO REGION. <MPR>. MD 2.5 (MPR).
18	09	02	25.9	23.098	N	94.166	E	45	D	4.7	4.5	0.9	71	MYANMAR-INDIA BORDER REGION
18	09	05	24.4*	21.011	N	146.187	E	33	N	4.3		1.2	23	MARIANA ISLANDS REGION
18	09	13	45.5	49.304	N	155.570	E	49	D	5.3	4.9	0.8	295	KURIL ISLANDS. Mw 5.5 (HRV). Felt (III) at Severo-Kurilsk. Centroid, Moment Tensor (HRV): Centroid origin time 09:13:51.2; Lat 49.21 N; Lon 155.79 E; Dep 41.0 Bdy; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.64, Plg=76, Azm=271; (N) Val=0.22, Plg=8, Azm=36; (P) Val=-1.86, Plg=11, Azm=127; Best double couple:

Mo=1.8*10**17 Nm; NP1: Strike=228, Dip=35, Slip=104; NP2: Strike=31, Dip=57, Slip=80.

18	09	22	55.2	12.288	N	143.877	E	33	N	4.9	4.7	1.1	81 SOUTH OF MARIANA ISLANDS
18	09	35	00.8?	2.06	S	140.45	E	33	N	3.4		0.9	6 NEAR NORTH COAST OF IRIAN JAYA
18	09	54	14.0&	44.330	N	7.269	E	14					9 NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
18	09	54	24.6?	12.06	N	144.26	E	150	G	3.7		1.0	14 SOUTH OF MARIANA ISLANDS
18	10	00	59.1?	12.02	N	144.56	E	150	G	3.5		1.1	10 SOUTH OF MARIANA ISLANDS
18	10	26	25.1&	4.336	N	82.973	W	9					9 SOUTH OF PANAMA. <UPA>. MD 4.1 (UPA).
18	10	35	29.2&	45.200	N	3.600	E	2					8 FRANCE. <LDG>. ML 2.2 (LDG).
18	10	49	43.1?	14.43	N	91.30	W	33	N	3.6		1.5	7 GUATEMALA. MD 4.3 (UNM).
18	10	58	47.1*	12.083	N	144.530	E	89	D	4.4		1.1	19 SOUTH OF MARIANA ISLANDS
18	11	43	40.1&	7.784	N	82.399	W	34					5 SOUTH OF PANAMA. <UPA>. MD 3.0 (UPA).
18	11	51	39.5*	0.701	S	134.264	E	33	N	3.8		1.1	10 IRIAN JAYA REGION, INDONESIA
18	12	02	56.2*	45.391	N	14.947	E	5	G			0.7	8 NORTHWESTERN BALKAN REGION. ML 2.0 (LJU).
18	12	08	17.6&	37.620	N	118.929	W	4					8 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
18	12	22	39.7	53.240	N	153.740	E	484		4.0		0.9	43 SEA OF OKHOTSK
18	12	50	46.0	3.531	N	127.020	E	33	N	4.8		0.8	28 TALAUD ISLANDS, INDONESIA
18	12	58	24.3?	4.95	S	152.12	E	33	N	4.1		0.6	6 NEW BRITAIN REGION, P.N.G.
18	14	20	21.0&	33.183	S	71.839	W	16					10 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
18	14	29	34.7&	31.915	N	115.746	W	3	G	4.1			49 BAJA CALIFORNIA, MEXICO. <ECX>. MD 4.4 (ECX). ML 4.6 (GS). Felt in the area south of Mexicali. Also felt in San Diego County, California.
18	15	05	28.3&	31.212	S	71.827	W	38					10 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
18	15	09	45.8*	51.280	N	177.019	W	33	N	4.5		1.3	37 ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.1 (PMR). Felt (IV) on Adak.
18	16	19	55.3&	18.370	N	64.970	W	24					8 VIRGIN ISLANDS. <MPR>. MD 3.3 (MPR).
18	16	26	30.1&	8.690	N	82.634	W	0					6 PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.4 (UPA).
18	16	33	06.7&	55.707	N	159.779	W	98					11 ALASKA PENINSULA. <AEIC>.
18	16	59	16.0*	23.829	S	179.675	W	500	G	4.3		1.0	24 SOUTH OF FIJI ISLANDS
18	17	17	24.3&	9.330	N	83.671	W	10					5 COSTA RICA. <UPA>. MD 4.0 (UPA).
18	18	31	56.8*	71.448	N	130.537	E	10	G			1.2	9 NEAR N. COAST OF EASTERN SIBERIA
18	18	32	00.7*	46.478	N	14.845	E	10	G			0.2	5 NORTHWESTERN BALKAN REGION. ML 1.9 (VIE). MD 1.6 (LJU).
18	18	46	54.7&	49.543	N	129.858	W	10	G	4.2			87 VANCOUVER ISLAND REGION. <PGC-P>. ML 4.1 (PGC).
18	18	53	55.4&	31.070	S	71.701	W	33	N				13 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
18	20	11	31.4&	9.048	N	79.645	W	0	G				4 PANAMA. <UPA>. MD 2.6 (UPA).
18	20	51	49.5&	45.300	N	7.300	E	2					5 NORTHERN ITALY. <LDG>. ML 1.7 (LDG).
18	22	14	23.5*	36.569	N	71.134	E	239	*	3.8		0.8	18 AFGHANISTAN-TAJIKISTAN BORD REG.
18	22	25	45.3&	60.013	N	152.722	W	100					48 SOUTHERN ALASKA. <AEIC>.
18	22	43	49.2*	7.663	S	130.568	E	33	N	4.5		1.1	9 TANIMBAR ISLANDS REG., INDONESIA
18	22	46	16.4	46.402	N	15.136	E	5	G			1.2	6 NORTHWESTERN BALKAN REGION. ML 1.7 (VIE). MD 1.6 (LJU).
18	23	00	42.7	44.790	N	10.706	E	10	G			1.5	57 NORTHERN ITALY. ML 3.2 (LDG), 3.1 (VIE).
18	23	09	03.2	44.745	N	10.442	E	10	G			1.0	7 NORTHERN ITALY. ML 2.5 (LDG), 2.5 (VIE).
18	23	41	08.4*	36.113	N	71.524	E	200	G	3.5		0.9	11 AFGHANISTAN-TAJIKISTAN BORD REG.
18	23	44	53.5*	21.014	N	146.297	E	33	N	4.1		0.9	13 MARIANA ISLANDS REGION
18	23	54	43.7&	37.636	N	118.935	W	9					9 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
18	23	57	00.1&	43.500	N	12.300	E	2					6 CENTRAL ITALY. <LDG>. ML 2.2 (LDG).
19	00	06	53.8*	44.507	N	148.313	E	65	*	4.3		0.9	26 KURIL ISLANDS
19	00	38	21.3&	31.928	N	115.737	W	3					26 BAJA CALIFORNIA, MEXICO. <ECX>. MD 3.6 (ECX). ML 3.9 (PAS), 3.5 (GS).
19	01	13	26.3&	34.055	S	71.165	W	62					13 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
19	01	32	09.5&	41.231	S	175.222	E	33	N			0.7	8 NORTH ISLAND, NEW ZEALAND. ML 4.1 (WEL). Felt at Wellington.
19	01	48	57.4?	33.95	S	110.79	W	10	G			1.4	6 SOUTHERN EAST PACIFIC RISE
19	01	57	59.1?	21.22	N	146.71	E	33	N	3.6		1.5	6 MARIANA ISLANDS REGION
19	02	15	52.8*	21.255	S	169.565	E	66	?	4.2		1.3	37 LOYALTY ISLANDS REGION
19	02	52	53.5*	35.187	N	23.277	E	33	N	3.6		1.2	11 CRETE
19	02	53	54.2	37.571	N	72.352	E	200	G	4.0		0.7	34 TAJIKISTAN
19	03	58	19.2&	46.800	N	0.300	E	2					17 FRANCE. <LDG>. ML 2.6 (LDG).
19	04	16	45.4	4.807	S	134.874	E	33	N	4.6		1.2	21 IRIAN JAYA REGION, INDONESIA
19	04	21	30.5	10.973	S	74.439	W	33	N	5.8	5.4	0.9	413 CENTRAL PERU. Mw 5.9 (HRV), 5.8 (GS). Me 6.0 (GS). Broadband Source Parameters (GS): Dep 6; NP1: Strike=315, Dip=70, Slip=90; NP2: Strike=135, Dip=20, Slip=90; Radiated energy 2.3*10**13 Nm. Moment Tensor (GS): Dep 3; Principal axes (scale 10**17 Nm): (T) Val=6.38, Plg=74, Azm=285; (N) Val=-0.03, Plg=14, Azm=139; (P) Val=-6.35, Plg=9, Azm=47; Best double couple: Mo=6.4*10**17 Nm; NP1: Strike=121, Dip=38, Slip=68; NP2: Strike=329, Dip=55, Slip=106. Centroid, Moment Tensor (HRV): Centroid origin time 04:21:33.3; Lat 10.90 S; Lon 74.50 W; Dep 17.9; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.71, Plg=83, Azm=275; (N) Val=0.72, Plg=5, Azm=137; (P) Val=-7.43, Plg=5, Azm=46; Best double couple: Mo=7.1*10**17 Nm; NP1: Strike=131, Dip=41, Slip=82; NP2: Strike=321, Dip=50, Slip=97.
19	04	40	54.8*	10.721	S	74.398	W	33	N	3.8		0.7	13 CENTRAL PERU
19	05	01	28.1?	5.91	S	147.42	E	117	*	4.2		1.2	10 EASTERN NEW GUINEA REG., P.N.G.
19	05	03	53.4	47.489	N	13.257	E	10	G			0.9	18 AUSTRIA. ML 3.0 (VIE), 2.8 (FUR). Felt (V) at Flachau.
19	05	04	58.4	47.444	N	13.249	E	10	G			0.9	18 AUSTRIA. ML 3.3 (VIE), 3.2 (FUR). Felt (V) at Flachau.
19	05	29	55.6&	19.150	N	66.430	W	37					7 PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
19	06	31	16.9*	47.348	N	13.340	E	10	G			0.4	5 AUSTRIA. ML 2.6 (VIE).
19	06	59	10.6&	17.830	N	68.630	W	81					4 MONA PASSAGE. <MPR>. MD 3.2 (MPR).
19	07	20	28.6*	4.202	S	128.331	E	33	N	4.1		1.2	11 BANDA SEA
19	07	42	04.3&	9.319	N	79.265	W	58					5 PANAMA. <UPA>. MD 3.1 (UPA).
19	08	31	43.7*	45.495	N	14.458	E	10	G			0.8	5 NORTHWESTERN BALKAN REGION. ML 1.5 (LJU).
19	09	06	13.5	43.821	N	147.239	E	56	D	4.6		0.9	50 KURIL ISLANDS
19	09	15	52.9&	7.639	N	82.299	W	6					5 SOUTH OF PANAMA. <UPA>. MD 3.3 (UPA).
19	09	40	04.1	10.299	S	75.324	W	33	N	4.8		1.1	55 CENTRAL PERU
19	09	45	19.8&	7.628	N	82.278	W	0					4 SOUTH OF PANAMA. <UPA>. MD 3.3 (UPA).
19	09	53	38.9*	17.742	S	178.876	W	600	G	4.2		0.9	33 FIJI ISLANDS REGION
19	09	54	01.1?	24.14	S	66.86	W	185	*	3.7		1.3	13 SALTA PROVINCE, ARGENTINA
19	10	19	43.8&	62.887	N	149.600	W	78					50 CENTRAL ALASKA. <AEIC>.
19	10	35	48.6	30.559	S	68.769	W	113				1.2	24 SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (GUC).
19	10	55	23.1&	31.518	S	70.397	W	149					12 CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).

19	11	13	38.5&	63.250	N	150.996	W	10					41	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PMR).
19	11	14	20.6*	36.995	N	69.822	E	100	G	3.7		0.9	16	HINDU KUSH REGION, AFGHANISTAN
19	11	44	20.0	10.740	S	74.529	W	33	N	4.9		1.0	48	CENTRAL PERU
19	13	02	03.6*	21.743	N	145.490	E	150	G	3.3		0.7	9	MARIANA ISLANDS REGION
19	14	04	57.3&	42.068	N	24.812	E	10	G			0.6	7	BULGARIA
19	14	05	27.0&	36.540	N	89.580	W	9					13	NEW MADRID, MISSOURI REGION. <TEIC>. mbLg 2.6 (GS).
19	14	14	51.1	4.476	S	129.082	E	33	N	6.1	6.4	0.9	378	BANDA SEA. Mw 6.5 (GS), 6.5 (HRV). Me 6.7 (GS). Ms 6.3 (BRK). Felt (IV) on Ambon, Indonesia. Broadband Source Parameters (GS): Dep 14; NP1: Strike=300, Dip=60, Slip=120; NP2: Strike=71, Dip=41, Slip=49; Radiated energy 2.9*10**14 Nm. Moment Tensor (GS): Dep 8; Principal axes (scale 10**18 Nm): (T) Val=5.72, Plg=73, Azm=276; (N) Val=-0.21, Plg=17, Azm=106; (P) Val=-5.51, Plg=3, Azm=15; Best double couple: Mo=5.6*10**18 Nm; NP1: Strike=88, Dip=45, Slip=66; NP2: Strike=301, Dip=50, Slip=112. Centroid, Moment Tensor (HRV): Centroid origin time 14:14:54.2; Lat 4.54 S; Lon 129.05 E; Dep 15.0 Bdy; Half-duration 4.4 sec; Principal axes (scale 10**18 Nm): (T) Val=6.81, Plg=69, Azm=307; (N) Val=0.06, Plg=20, Azm=112; (P) Val=-6.87, Plg=5, Azm=204; Best double couple: Mo=6.8*10**18 Nm; NP1: Strike=315, Dip=44, Slip=120; NP2: Strike=96, Dip=53, Slip=65.
19	14	34	55.5*	45.628	N	26.681	E	130	G			0.5	11	ROMANIA
19	14	43	41.5&	34.676	S	70.888	W	99					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
19	15	02	58.7*	37.032	N	69.978	E	58	?	4.0		1.2	14	AFGHANISTAN-TAJIKISTAN BORD REG.
19	15	31	28.2&	8.972	N	79.553	W	0					5	PANAMA. <UPA>. MD 2.3 (UPA).
19	16	26	20.8&	46.900	N	0.700	E	2					8	FRANCE. <LDG>. ML 2.2 (LDG).
19	17	14	42.1	4.514	S	129.248	E	33	N	5.3		1.3	80	BANDA SEA. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:14:41.8; Lat 4.52 S; Lon 128.94 E; Dep 51.9; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.13, Plg=85, Azm=276; (N) Val=0.54, Plg=5, Azm=111; (P) Val=-2.67, Plg=1, Azm=20; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=105, Dip=44, Slip=83; NP2: Strike=295, Dip=47, Slip=97.
19	17	19	15.5*	32.559	N	48.205	E	33	N	4.5		1.3	33	WESTERN IRAN
19	17	20	48.8&	38.220	N	1.020	W	14					6	SPAIN. <MDD>. mbLg 2.0 (MDD).
19	17	45	35.7*	48.295	N	153.980	E	76	D	3.9		1.3	22	KURIL ISLANDS
19	17	48	38.2&	63.080	N	150.796	W	122					53	CENTRAL ALASKA. <AEIC>.
19	17	57	26.0?	5.06	S	129.15	E	33	N	3.7		1.1	8	BANDA SEA
19	18	20	16.3	7.432	S	128.755	E	150	G	4.3		0.9	29	BANDA SEA
19	18	27	17.6*	4.753	S	128.895	E	33	N	4.8		1.4	21	BANDA SEA
19	19	21	32.7	4.507	S	129.314	E	33	N	4.9		1.3	47	BANDA SEA
19	19	36	04.4*	35.841	N	23.692	E	33	N	4.1		1.1	10	CRETE
19	19	56	18.2*	27.639	S	65.712	E	10	G			1.2	16	SOUTH INDIAN OCEAN
19	20	14	15.3?	4.74	S	128.93	E	33	N	4.2		1.2	9	BANDA SEA
19	20	38	47.5?	4.95	S	128.51	E	33	N			0.4	5	BANDA SEA
19	20	43	30.2*	4.544	S	129.176	E	33	N	4.4		0.9	12	BANDA SEA
19	21	11	42.3*	7.930	S	107.358	E	52	D	4.5		1.2	18	JAWA, INDONESIA
19	21	24	09.4*	32.232	N	142.837	E	33	N	3.9		1.1	16	SOUTH OF HONSHU, JAPAN
19	22	08	42.6?	28.02	S	65.63	E	10	G	4.9		1.3	8	SOUTH INDIAN OCEAN
19	22	24	35.3?	4.42	S	128.97	E	33	N			1.5	6	BANDA SEA
19	23	04	27.2*	18.177	S	175.472	W	250	G	4.4		1.0	32	TONGA ISLANDS
19	23	32	15.0	50.456	N	18.945	E	10	G			1.2	10	POLAND. ML 3.1 (WAR), 3.0 (VIE).
19	23	33	39.0&	34.646	S	71.061	W	81					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
19	23	57	35.8*	27.628	S	65.665	E	10	G			0.9	9	SOUTH INDIAN OCEAN
20	00	10	08.6&	31.164	S	68.657	W	217					13	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.8 (GUC).
20	00	10	19.5	47.231	N	11.453	E	10	G			0.3	6	AUSTRIA. ML 2.6 (FUR), 2.1 (VIE).
20	00	26	28.9?	23.50	S	179.86	E	450	G	4.0		1.0	12	SOUTH OF FIJI ISLANDS
20	00	27	54.5	47.231	N	11.452	E	10	G			0.3	6	AUSTRIA. ML 2.4 (FUR), 1.9 (VIE).
20	00	51	10.9?	36.97	N	20.95	E	33	N			1.0	7	CENTRAL MEDITERRANEAN SEA
20	01	59	44.3?	14.32	S	167.24	E	33	N	3.2		0.3	7	VANUATU ISLANDS
20	02	06	28.9&	47.000	N	0.000	E	2					15	FRANCE. <LDG>. ML 2.3 (LDG).
20	02	25	17.2*	8.685	N	39.314	W	10	G	4.2		1.4	10	CENTRAL MID-ATLANTIC RIDGE
20	02	51	28.4	31.345	S	71.961	W	33	N	5.1		1.0	43	NEAR COAST OF CENTRAL CHILE. MD 5.1 (GUC).
20	03	00	13.0*	4.546	S	129.306	E	33	N	4.1		0.8	10	BANDA SEA
20	03	01	03.9?	9.39	N	39.07	W	10	G	4.2		1.3	8	CENTRAL MID-ATLANTIC RIDGE
20	03	07	14.7?	17.63	S	178.02	W	400	G	3.7		0.7	17	FIJI ISLANDS REGION
20	03	36	31.8?	44.19	S	81.65	W	10	G			1.0	11	WEST CHILE RISE
20	04	28	09.5	49.424	N	6.930	E	10	G			0.5	9	GERMANY. ML 2.0 (FBB), 1.9 (UCC).
20	04	31	43.0*	37.331	N	69.894	E	33	N	3.5		1.5	10	AFGHANISTAN-TAJIKISTAN BORD REG.
20	05	11	49.2&	38.820	N	27.284	E	8					7	TURKEY. <ISK>. MD 3.1 (ISK).
20	05	14	43.9*	14.247	S	167.147	E	33	N	4.1		1.1	18	VANUATU ISLANDS
20	05	26	08.0	10.147	S	123.452	E	33	N	4.2		1.5	20	TIMOR REGION, INDONESIA
20	06	21	11.8&	31.412	S	71.916	W	34					18	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.7 (GUC).
20	07	10	37.5*	45.691	N	150.271	E	33	N	4.5		0.9	31	KURIL ISLANDS
20	07	23	24.5*	14.762	S	166.564	E	33	N	4.4		1.0	17	VANUATU ISLANDS
20	07	44	08.5*	47.248	N	11.454	E	10	G			0.3	5	AUSTRIA. ML 1.8 (VIE).
20	07	50	07.8&	63.237	N	151.592	W	10					66	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.4 (PMR).
20	08	24	52.2?	37.16	N	23.72	E	33	N			1.5	9	SOUTHERN GREECE
20	08	30	36.9*	21.872	S	176.691	W	150	G	4.5		0.8	29	FIJI ISLANDS REGION
20	08	34	00.2	31.965	S	69.048	W	32	D	5.1		1.2	88	SAN JUAN PROVINCE, ARGENTINA. MD 5.3 (GUC).
20	08	45	02.2?	19.68	S	168.06	E	33	N			0.9	5	VANUATU ISLANDS
20	09	04	54.5*	28.757	N	142.617	E	33	N	4.2		1.1	21	BONIN ISLANDS REGION
20	09	32	04.3&	8.694	N	82.378	W	6					7	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.5 (UPA).
20	09	37	58.3*	14.453	N	91.960	W	60	*	4.3		1.4	41	GUATEMALA. MD 4.8 (UNM).
20	09	44	53.4&	48.800	N	6.500	E	12					41	FRANCE. <LDG>. ML 3.3 (LDG).
20	09	55	52.0&	32.679	S	70.120	W	107					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC).
20	10	08	34.3&	64.494	N	128.386	W	10	G				14	NORTHWEST TERRITORIES, CANADA. <PGC-P>. ML 3.6 (PGC).
20	10	18	02.3?	27.85	S	177.50	W	33	N	4.1		0.6	9	KERMADEC ISLANDS REGION
20	10	23	20.0&	32.228	S	71.929	W	26					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
20	10	38	56.2&	37.014	N	29.429	E	10	G				5	TURKEY. <ISK>. MD 3.2 (ISK).

20	11	43	05.7&	40.647	N	30.300	E	5				6	TURKEY. <ISK>. MD 2.9 (ISK).
20	11	45	35.5	8.004	S	106.871	E	43	D	4.5	1.4	50	SOUTH OF JAWA, INDONESIA
20	11	52	16.7*	7.921	S	106.906	E	33	N	4.0	0.6	11	JAWA, INDONESIA
20	11	59	54.1	18.511	N	145.526	E	250	G	4.1	1.1	35	MARIANA ISLANDS
20	12	04	23.4*	4.545	S	129.117	E	33	N	4.5	1.4	18	BANDA SEA
20	12	11	27.9&	60.010	N	151.617	W	58				46	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
20	12	18	06.2	36.479	N	71.086	E	236	D	5.8 5.7	1.1	419	AFGHANISTAN-TAJIKISTAN BORD REG. Mw 6.4 (GS), 6.4 (HRV). Me 6.0 (GS). One person killed and three injured at Yar Husain, six injured at Rawalpindi and two injured at Peshawar, Pakistan. An earthquake-induced avalanche destroyed 35 houses, including a mosque, left 300 people homeless and killed several dozen cattle and sheep in the Astor area, Kashmir. Damage occurred from Chitral to Swabi, Pakistan, in western Kashmir and in the Rostaq area, Afghanistan. Felt in much of northern Pakistan as far south as Lahore and in northeastern Afghanistan as far as Kabul and Mazar-e Sharif. Felt (V) at Dushanbe and Khorugh, Tajikistan; (IV) at Andijon and Farghona, Uzbekistan; (III) at Bishkek and Osh, Kyrgyzstan. Also felt (III) at Samarqand and Toshkent, Uzbekistan. Broadband Source Parameters (GS): Dep 236; NP1: Strike=355, Dip=75, Slip=120; NP2: Strike=109, Dip=33, Slip=28; Radiated energy 2.4*10**13 Nm. Moment Tensor (GS): Dep 233; Principal axes (scale 10**18 Nm): (T) Val=4.10, Plg=65, Azm=256; (N) Val=0.01, Plg=6, Azm=359; (P) Val=-4.11, Plg=24, Azm=92; Best double couple: Mo=4.1*10**18 Nm; NP1: Strike=196, Dip=21, Slip=107; NP2: Strike=357, Dip=70, Slip=83. Centroid, Moment Tensor (HRV): Centroid origin time 12:18:10.8; Lat 36.50 N; Lon 70.88 E; Dep 243.7; Half-duration 3.6 sec; Principal axes (scale 10**18 Nm): (T) Val=4.02, Plg=60, Azm=260; (N) Val=-0.11, Plg=3, Azm=355; (P) Val=-3.90, Plg=30, Azm=86; Best double couple: Mo=4.0*10**18 Nm; NP1: Strike=184, Dip=15, Slip=100; NP2: Strike=354, Dip=75, Slip=87.
20	13	05	24.7?	51.35	N	178.67	W	33	N		1.1	5	ANDREANOF ISLANDS, ALEUTIAN IS.
20	13	07	00.4?	4.99	S	138.88	E	33	N	4.8	1.3	6	IRIAN JAYA, INDONESIA
20	13	38	14.5?	14.24	S	174.46	W	33	N		0.5	8	SAMOA ISLANDS REGION
20	13	45	23.9	35.616	N	29.272	E	33	N	4.2	1.3	52	EASTERN MEDITERRANEAN SEA. MD 3.9 (ISK).
20	14	26	07.5*	7.742	N	74.687	W	83	D	3.9	1.1	14	NORTHERN COLOMBIA
20	15	37	07.5	58.330	S	25.643	W	33	N	5.1	0.9	31	SOUTH SANDWICH ISLANDS REGION
20	15	50	45.3*	53.068	N	167.680	W	33	N	4.9	1.1	28	FOX ISLANDS, ALEUTIAN ISLANDS
20	16	37	20.0*	22.506	S	175.366	W	33	N	4.4	0.8	27	TONGA ISLANDS REGION
20	16	41	16.2*	36.101	N	22.190	E	33	N	3.2	1.1	12	SOUTHERN GREECE
20	17	44	01.0&	39.961	N	26.658	E	15				6	TURKEY. <ISK>. MD 3.2 (ISK).
20	17	49	33.5	2.098	S	137.430	E	33	N	3.8	0.9	11	IRIAN JAYA, INDONESIA
20	17	53	30.2	54.964	N	163.491	E	33	N	4.2	0.9	23	OFF EAST COAST OF KAMCHATKA
20	18	01	21.5&	8.714	N	82.344	W	15				4	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.4 (UPA).
20	18	11	05.6*	5.804	S	130.458	E	150	G	4.1	0.8	10	BANDA SEA
20	18	19	19.7	11.550	S	166.214	E	66	D	5.1 5.3	1.1	71	SANTA CRUZ ISLANDS. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:19:23.1; Lat 11.66 S; Lon 165.94 E; Dep 52.0 Bdy; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.95, Plg=77, Azm=311; (N) Val=-0.06, Plg=9, Azm=175; (P) Val=-2.89, Plg=9, Azm=84; Best double couple: Mo=2.9*10**17 Nm; NP1: Strike=162, Dip=37, Slip=74; NP2: Strike=2, Dip=55, Slip=102.
20	18	42	57.8&	36.410	N	3.200	W	2				18	STRAIT OF GIBRALTAR. <MDD>. mbLg 3.2 (MDD).
20	19	16	03.7?	20.95	S	178.44	W	600	G	4.1	0.8	19	FIJI ISLANDS REGION
20	19	37	27.0&	44.515	N	7.225	E	13				22	NORTHERN ITALY. <GEN>. ML 2.2 (GEN), 1.9 (LDG).
20	19	39	11.2&	36.490	N	3.180	W	0				5	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.2 (MDD).
20	19	48	53.7	17.308	N	145.504	E	522	*	4.6	1.0	65	MARIANA ISLANDS
20	20	09	09.6?	8.02	S	128.20	E	100	G	3.8	1.0	8	TIMOR SEA
20	20	32	18.0&	47.926	N	119.856	W	1				30	WASHINGTON. <SEA-P>. MD 2.9 (SEA).
20	20	53	25.7*	37.750	S	177.944	E	150	G	4.1	1.2	16	OFF E. COAST OF N. ISLAND, N.Z.
20	20	59	35.5	4.241	S	154.023	E	400	G	4.3	1.0	33	SOLOMON ISLANDS
20	21	16	35.4	49.415	N	6.932	E	10	G		0.6	10	GERMANY. ML 2.1 (FBB), 1.8 (UCC).
20	21	20	35.2&	9.529	N	78.168	W	12				6	PANAMA. <UPA>. MD 3.2 (UPA).
20	21	23	29.2&	60.173	N	153.319	W	124		2.7		88	SOUTHERN ALASKA. <AEIC>.
20	21	44	20.5	3.472	N	126.550	E	33	N	4.8	0.9	31	TALAUD ISLANDS, INDONESIA
20	22	52	20.2&	33.693	S	70.142	W	7				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.2 (GUC).
20	23	03	51.8&	33.671	S	70.151	W	4				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC).
20	23	42	59.3*	54.900	N	163.506	E	33	N	3.7	1.1	14	OFF EAST COAST OF KAMCHATKA
21	00	31	42.0*	32.591	N	142.541	E	33	N		0.8	10	SOUTH OF HONSHU, JAPAN
21	00	55	42.3	37.222	N	138.684	E	33	N	5.3 4.5	0.8	234	NEAR WEST COAST OF HONSHU, JAPAN. Mw 5.1 (HRV). One person injured in Niigata Prefecture. Felt (IV JMA) in central Niigata; (III JMA) in Gumma, northern Nagano and western Niigata Prefectures. Centroid, Moment Tensor (HRV): Centroid origin time 00:55:44.7; Lat 37.33 N; Lon 138.56 E; Dep 29.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.06, Plg=84, Azm=222; (N) Val=-0.42, Plg=6, Azm=28; (P) Val=-4.64, Plg=1, Azm=118; Best double couple: Mo=4.8*10**16 Nm; NP1: Strike=215, Dip=44, Slip=99; NP2: Strike=22, Dip=47, Slip=82.
21	01	31	18.2&	47.700	N	2.100	W	2				13	FRANCE. <LDG>. ML 2.5 (LDG).
21	01	36	36.8*	7.230	S	129.174	E	100	G	4.3	1.1	20	BANDA SEA
21	02	03	35.8*	3.361	S	133.972	E	33	N	3.9	0.7	10	IRIAN JAYA REGION, INDONESIA
21	02	21	10.9&	44.848	N	10.794	E	10	G	4.8		181	NORTHERN ITALY. <ROM>. ML 4.3 (VIE), 4.3 (GRF), 4.3 (STR), 4.1 (FUR), 4.1 (LDG).
21	02	38	20.9*	44.069	N	10.784	E	10	G		0.9	15	NORTHERN ITALY. ML 2.6 (LDG).
21	03	11	07.2*	2.756	S	141.491	E	33	N	4.2	0.7	13	NEAR N COAST OF NEW GUINEA, PNG.
21	03	26	59.8*	3.621	S	150.917	E	33	N	4.7	1.1	20	NEW IRELAND REGION, P.N.G.

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21  03 50 55.5& 44.800 N    6.800 E    4                          12  FRANCE. <LDG>. ML 1.6 (LDG).
21  04 27 13.6? 49.06  S  122.37  E   10 G  4.3       1.2       11  SOUTH OF AUSTRALIA
21  04 58 17.3& 45.300 N    0.200 W    2                           5  FRANCE. <LDG>. ML 2.3 (LDG).
21  05 02 48.8& 44.800 N    6.900 E    3                          15  FRANCE. <LDG>. ML 1.9 (LDG).
21  05 19 12.2?  3.35  S  134.27  E   33 N  3.7       1.4        9  IRIAN JAYA REGION, INDONESIA
21  05 23 19.5* 20.895 N  146.523 E   33 N  3.5       1.3        9  MARIANA ISLANDS REGION
21  06 12 57.4*  7.301 S  129.221 E  100 G  4.3       1.0       21  BANDA SEA
21  06 14 17.6  22.729 N  143.220 E  116 D  5.1       1.0      112  VOLCANO ISLANDS REGION
21  06 24 41.2&  5.661 N   78.493 W    0     4.1                  13  SOUTH OF PANAMA. <UPA>. ML 4.7 (UPA).
21  06 27 16.9&  5.644 N   78.261 W   10                           7  SOUTH OF PANAMA. <UPA>. MD 3.9 (UPA).
21  06 33 04.1* 17.643 S  178.524 W  500 G  4.2       1.0       27  FIJI ISLANDS REGION
21  06 58 50.1& 58.489 N  153.465 W   57                          71  KODIAK ISLAND REGION. <AEIC>. ML 2.9 (AEIC).
21  07 16 30.5& 32.599 S   71.633 W   35                          12  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
21  07 17 23.4* 10.927 S   74.254 W   33 N  4.4       1.1       18  CENTRAL PERU
21  07 59 16.8* 10.391 S  165.850 E   33 N  4.1       1.1       10  SANTA CRUZ ISLANDS
21  08 07 04.0* 10.847 S   74.309 W   33 N  4.2       1.1       17  CENTRAL PERU
21  09 16 24.4?  28.97  N  112.63  W   10 G              1.6        6  GULF OF CALIFORNIA
21  09 48 54.0  27.161 N   96.156 E  100 G  3.9       0.9       21  MYANMAR-INDIA BORDER REGION
21  10 23 27.6& 39.260 N    3.010 W    0 G                        6  SPAIN. <MDD>. mbLg 1.7 (MDD).
21  10 48 09.3& 59.410 N  151.144 W   35                          50  KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
21  10 49 58.3*  1.603 S  134.105 E   33 N  3.7       0.9       12  IRIAN JAYA REGION, INDONESIA
21  11 01 00.2& 31.426 S   71.992 W   20                           9  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
21  11 06 03.8*  6.232 S  148.782 E   33 N  3.9       1.5       16  NEW BRITAIN REGION, P.N.G.
21  11 31 16.3* 79.517 N   17.833 W   10 G  3.6       1.0        7  EASTERN GREENLAND
21  11 37 24.4& 10.464 N   60.245 W   91                           5  TRINIDAD. <TRN>. MD 3.0 (TRN).
21  11 39 34.9% 43.111 N  137.959 E  272 ?              1.2       10  EASTERN SEA OF JAPAN
21  12 43 04.2& 44.355 N    7.253 E   10                           6  NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
21  13 17 35.5* 42.067 N  139.225 E   33 N              1.2       13  HOKKAIDO, JAPAN  REGION. Felt (II JMA) on Okushiri and (I
                                                                     JMA) in southwestern Hokkaido.
21  13 29 10.2?  1.88  N  124.98  E   33 N  4.1       1.3       12  MINAHASSA PENINSULA, SULAWESI
21  14 10 21.7&  9.090 N   78.365 W   56                           7  PANAMA. <UPA>. MD 3.7 (UPA).
21  15 03 19.4   1.196 N   99.038 E  100 G  4.5       0.9       22  NORTHERN SUMATERA, INDONESIA
21  15 07 58.0& 63.595 N  150.630 W   14                          56  CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.1 (PMR).
21  15 18 09.6& 33.498 S   71.647 W   41                          11  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
21  15 23 55.1& 60.028 N  153.453 W  142                          74  SOUTHERN ALASKA. <AEIC>.
21  15 58 46.4& 63.071 N  150.423 W  106                          54  CENTRAL ALASKA. <AEIC>.
21  16 29 46.8* 33.972 N  141.730 E   33 N  3.9       0.8       16  OFF EAST COAST OF HONSHU, JAPAN
21  16 49 08.1  50.933 N   12.511 E    5 G              0.7        7  GERMANY. ML 2.3 (GRF), 2.2 (CLL).
21  17 01 21.0%  7.319 S  155.988 E   33 N              1.1        5  SOLOMON ISLANDS
21  17 49 37.8* 36.656 N  138.108 E   57                0.7        7  EASTERN HONSHU, JAPAN. Felt (II JMA) in central Niigata
                                                                     Prefecture.
21  17 58 21.5& 40.686 N   29.157 E   13                           4  TURKEY. <ISK>. MD 2.7 (ISK).
21  18 46 41.8& 33.117 S   70.350 W  103                           9  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
21  19 00 38.0*  5.931 S  146.174 E  100 G  4.1       0.9       19  EASTERN NEW GUINEA REG., P.N.G.
21  19 05 57.3   4.474 S  129.178 E   33 N  5.0 4.1  1.1       41  BANDA SEA
21  19 17 15.2& 32.162 S   71.252 W   84                           9  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
21  19 36 53.1& 31.381 S   72.111 W   24                          11  OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
21  19 37 45.3* 10.994 S   74.241 W   33 N  3.9       1.3       15  CENTRAL PERU
21  20 10 00.3* 36.404 N  138.294 E  178     3.6       0.9       18  EASTERN HONSHU, JAPAN
21  20 43 50.8& 61.593 N  151.818 W  106                          42  SOUTHERN ALASKA. <AEIC>.
21  21 29 55.9* 11.303 N   87.201 W   33 N  4.6       0.8       20  NEAR COAST OF NICARAGUA
21  22 24 23.8? 18.05  S  176.23  W   33 N  4.6       0.6       10  FIJI ISLANDS REGION
21  22 42 45.4* 43.446 N   11.468 E   10 G              0.8       15  CENTRAL ITALY. ML 2.5 (LDG).
21  22 44 37.6   4.497 S  129.047 E   33 N  4.8 4.1  1.2       41  BANDA SEA
21  23 33 15.8  53.394 S   25.068 E   10 G  4.5 3.6  0.5       17  SOUTH OF AFRICA
21  23 52 31.7& 60.059 N  153.043 W  108                          28  SOUTHERN ALASKA. <AEIC>.
22  00 13 18.7   5.955 S  130.067 E   33 N              1.1        7  BANDA SEA
22  00 52 30.1&  5.169 N   75.933 W   33                           6  COLOMBIA. <UPA>. MD 4.1 (UPA).
22  00 54 15.3& 11.286 N   62.142 W   85                           5  WINDWARD ISLANDS. <TRN>. MD 2.3 (TRN).
22  01 26 14.2& 30.952 S   72.395 W   24                          10  OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
22  01 49 32.4& 32.595 S   71.699 W   33                          10  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
22  02 40 38.0  28.453 N   85.435 E   33 N  4.8 4.0  0.9       76  NEPAL
22  03 04 29.5&  6.652 N   77.310 W   42                           4  NEAR WEST COAST OF COLOMBIA. <UPA>. MD 4.1 (UPA).
22  04 21 33.9  43.580 N  146.926 E   71 D  4.8       0.8       98  KURIL ISLANDS. Felt (II) at Yuzhno-Kurilsk, Kunashir and (I
                                                                     JMA) in eastern Hokkaido.
22  04 32 01.7& 46.300 N    1.800 E    2                           8  FRANCE. <LDG>. ML 2.5 (LDG).
22  04 53 24.9   4.427 S  129.002 E   30     5.5 4.5  1.0      158  BANDA SEA. Mw 5.4 (GS), 5.3 (HRV).
                                                                     Moment Tensor (GS): Dep 5; Principal axes (scale 10**17 Nm):
                                                                      (T) Val=1.33, Plg=77, Azm=237; (N) Val=0.02, Plg=6,
                                                                      Azm=120; (P) Val=-1.35, Plg=12, Azm=28; Best double couple:
                                                                      Mo=1.3*10**17 Nm; NP1: Strike=111, Dip=34, Slip=79; NP2:
                                                                      Strike=304, Dip=57, Slip=97.
                                                                     Centroid, Moment Tensor (HRV): Centroid origin time
                                                                      04:53:28.4; Lat 4.33 S; Lon 128.87 E; Dep 25.3; Half-
                                                                      duration 1.0 sec; Principal axes (scale 10**17 Nm): (T)
                                                                      Val=0.81, Plg=74, Azm=322; (N) Val=0.22, Plg=14, Azm=113;
                                                                      (P) Val=-1.03, Plg=7, Azm=205; Best double couple:
                                                                      Mo=9.2*10**15 Nm; NP1: Strike=311, Dip=39, Slip=112; NP2:
                                                                      Strike=103, Dip=54, Slip=73.
22  05 10 35.6? 31.27  S   68.38  W  100 G              1.2       12  SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (GUC).
22  05 14 32.8*  4.600 S  128.948 E   33 N  4.2       1.4       10  BANDA SEA
22  05 45 50.0   4.434 S  129.010 E   33 N  5.0       1.1       42  BANDA SEA
22  06 18 54.3&  8.310 S  114.950 E    2                           4  BALI REGION, INDONESIA. <DJA>.
22  06 31 07.4* 17.918 S  178.191 W  600 G  4.4       1.2       45  FIJI ISLANDS REGION
22  07 29 23.1& 31.729 S   70.439 W  131                          12  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
22  08 00 08.9*  6.437 S  148.206 E   33 N  4.3       1.1       12  NEW BRITAIN REGION, P.N.G.
22  08 00 39.1& 32.781 S   70.841 W   77                          13  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
22  08 59 28.3& 62.865 N  151.285 W  110                          77  CENTRAL ALASKA. <AEIC>.
22  09 23 12.1& 31.834 S   70.058 W  136                          12  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
22  10 49 00.5  52.617 N  168.238 W   33 N  5.2 4.6  1.0      263  FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.3 (HRV). ML 5.3 (PMR),
                                                                      5.0 (AEIC).
                                                                     Centroid, Moment Tensor (HRV): Centroid origin time
                                                                      10:49:03.3; Lat 52.43 N; Lon 168.41 W; Dep 50.0; Half-
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duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=8.48, Plg=75, Azm=331; (N) Val=0.94, Plg=4, Azm=76; (P) Val=-9.42, Plg=15, Azm=167; Best double couple: Mo=8.9*10**16 Nm; NP1: Strike=263, Dip=30, Slip=98; NP2: Strike=74, Dip=60, Slip=85.

22	14	44	47.1*	15.536	S	71.896	W	147	D	3.4	1.1	20	SOUTHERN PERU
22	15	45	47.4*	13.066	N	143.616	E	121	*	3.8	1.1	21	SOUTH OF MARIANA ISLANDS
22	16	03	51.9	35.848	N	135.559	E	348		4.5	0.9	81	WESTERN HONSHU, JAPAN
22	16	07	43.7	22.470	S	12.809	W	10	G	4.8 4.7	1.2	79	SOUTHERN MID-ATLANTIC RIDGE. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:07:52.0; Lat 22.43 S; Lon 12.74 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.90, Plg=6, Azm=260; (N) Val=1.84, Plg=12, Azm=351; (P) Val=-6.73, Plg=76, Azm=145; Best double couple: Mo=5.8*10**16 Nm; NP1: Strike=336, Dip=41, Slip=-109; NP2: Strike=181, Dip=52, Slip=-74.
22	16	41	43.5&	65.149	N	133.824	W	0	G			8	NORTHERN YUKON TERRITORY, CANADA. <PGC>. ML 3.8 (PGC).
22	16	54	10.9*	27.885	N	139.593	E	522	*	4.1	1.0	23	BONIN ISLANDS REGION
22	16	56	01.1*	29.663	S	68.374	W	33	N		1.2	11	SAN JUAN PROVINCE, ARGENTINA
22	17	19	56.9*	0.521	N	29.323	E	10	G	4.5	1.0	15	ZAIRE
22	17	43	23.8*	8.356	S	157.156	E	33	N	4.6	0.6	9	SOLOMON ISLANDS
22	17	45	00.1*	37.152	N	21.110	E	33	N		1.1	16	SOUTHERN GREECE
22	17	47	49.4?	22.10	S	12.78	W	10	G	4.2	1.4	8	SOUTHERN MID-ATLANTIC RIDGE
22	18	05	10.9	36.454	N	70.887	E	203	D	4.3	1.0	29	HINDU KUSH REGION, AFGHANISTAN
22	20	56	30.9*	5.184	S	103.817	E	33	N	4.1	1.0	17	SOUTHERN SUMATERA, INDONESIA
22	21	49	36.2*	38.231	S	176.125	E	100	G		0.6	11	NORTH ISLAND, NEW ZEALAND
22	21	54	27.4*	37.059	N	70.034	E	33	N	4.0	1.4	10	AFGHANISTAN-TAJIKISTAN BORD REG.
22	22	18	05.8&	61.322	N	146.740	W	38				52	SOUTHERN ALASKA. <AEIC>. ML 2.4 (AEIC).
22	22	31	31.2&	17.210	N	101.344	W	14		3.9		35	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.4 (UNM).
22	22	45	24.8*	30.117	N	88.156	E	33	N	4.1	1.4	19	XIZANG
22	22	47	44.1*	30.215	N	88.047	E	33	N	4.6 4.3	1.0	36	XIZANG
22	23	16	46.1	14.833	N	93.686	W	33	N	4.7	0.7	48	NEAR COAST OF CHIAPAS, MEXICO. MD 4.6 (UNM).
22	23	31	35.8&	63.323	N	131.342	W	0	G			6	SOUTHERN YUKON TERRITORY, CANADA. <PGC>. ML 3.0 (PGC).
22	23	41	26.9&	59.754	N	150.717	W	38				63	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
22	23	55	11.6&	46.700	N	1.400	W	2				8	FRANCE. <LDG>. ML 2.1 (LDG).
23	00	27	20.6*	56.901	S	147.497	E	10	G	5.1 5.4	1.2	68	WEST OF MACQUARIE ISLAND. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:27:26.7; Lat 57.00 S; Lon 147.37 E; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.30, Plg=5, Azm=31; (N) Val=0.04, Plg=81, Azm=266; (P) Val=-3.35, Plg=7, Azm=122; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=166, Dip=81, Slip=-2; NP2: Strike=256, Dip=88, Slip=-171.
23	01	35	40.8&	58.073	N	154.664	W	100				40	ALASKA PENINSULA. <AEIC>.
23	01	36	48.7*	15.341	S	167.547	E	107	?	4.8	1.4	60	VANUATU ISLANDS
23	02	24	36.2*	35.038	N	5.146	W	76	*		1.4	24	STRAIT OF GIBRALTAR
23	03	14	48.1*	15.897	S	178.001	E	33	N	4.9 4.6	1.3	42	FIJI ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:14:49.6; Lat 16.22 S; Lon 178.01 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.90, Plg=24, Azm=106; (N) Val=0.35, Plg=12, Azm=10; (P) Val=-6.24, Plg=63, Azm=256; Best double couple: Mo=6.1*10**16 Nm; NP1: Strike=220, Dip=24, Slip=-58; NP2: Strike=6, Dip=70, Slip=-103.
23	03	35	58.5&	31.760	S	69.387	W	16				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 4.0 (GUC).
23	05	07	50.7*	1.611	S	133.806	E	38	D	5.0	1.3	22	IRIAN JAYA REGION, INDONESIA
23	05	17	20.6&	35.150	N	4.970	W	0	G			9	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.5 (MDD).
23	05	19	45.8	41.734	N	23.861	E	10	G		0.8	6	GREECE-BULGARIA BORDER REGION
23	05	21	47.9?	65.89	S	179.74	E	10	G	4.8	1.3	10	BALLENY ISLANDS REGION
23	05	48	52.3&	8.382	N	82.923	W	10	G			10	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.4 (UPA).
23	06	34	40.2	5.425	S	133.817	E	54	D	5.2	1.1	52	ARU ISLANDS REGION, INDONESIA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:34:39.8; Lat 5.25 S; Lon 133.85 E; Dep 41.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.56, Plg=0, Azm=101; (N) Val=0.85, Plg=21, Azm=191; (P) Val=-7.41, Plg=69, Azm=11; Best double couple: Mo=7.0*10**16 Nm; NP1: Strike=171, Dip=49, Slip=-118; NP2: Strike=30, Dip=49, Slip=-62.
23	07	07	42.2?	7.16	N	126.44	E	75	?		1.3	7	MINDANAO, PHILIPPINE ISLANDS
23	08	07	13.0*	32.265	N	142.266	E	44	D	3.9	0.9	15	SOUTH OF HONSHU, JAPAN
23	08	12	17.7&	30.885	S	71.882	W	49				9	NEAR COAST OF CENTRAL CHILE. <GUC>.
23	08	22	40.2&	32.015	S	70.411	W	122				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
23	08	27	47.6&	31.391	S	71.895	W	25				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
23	09	03	09.1	42.419	N	126.032	W	10	G	3.1	0.7	59	OFF COAST OF OREGON
23	09	03	47.7&	34.710	S	71.683	W	39				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
23	09	08	16.6&	43.100	N	0.400	W	2				22	PYRENEES. <LDG>. ML 3.1 (LDG). mbLg 3.0 (MDD). Felt (III) in the Ossau Valley, France.
23	09	15	57.2&	44.000	N	7.500	E	2				36	NORTHERN ITALY. <LDG>. ML 3.1 (STR), 3.0 (LDG), 2.9 (GEN).
23	10	17	49.2*	25.195	N	128.895	E	33	N	3.5	0.5	6	RYUKYU ISLANDS
23	10	30	02.7&	32.659	S	70.877	W	70				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
23	10	56	04.0*	17.531	N	62.526	W	33	N		0.7	6	LEEWARD ISLANDS. MD 3.5 (TRN).
23	11	10	44.7*	4.511	S	128.982	E	33	N	4.9	0.9	13	BANDA SEA
23	13	43	13.5	37.889	N	118.185	W	5	G		0.9	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (GS).
23	14	02	21.4?	23.02	S	169.66	E	33	N		0.8	6	LOYALTY ISLANDS REGION
23	14	03	02.7*	46.201	N	15.884	E	10	G		1.2	5	NORTHWESTERN BALKAN REGION. ML 2.5 (VIE).
23	14	05	43.0*	46.924	N	152.406	E	114	?		1.2	13	KURIL ISLANDS
23	14	07	51.7*	41.720	N	126.901	W	10	G	3.5	0.9	12	OFF COAST OF NORTHERN CALIFORNIA
23	14	41	24.4&	59.504	N	152.591	W	82				62	SOUTHERN ALASKA. <AEIC>.
23	14	55	18.3*	8.851	S	157.383	E	163	?	4.2	1.3	10	SOLOMON ISLANDS
23	15	05	58.7&	44.060	N	4.500	E	10	G			12	FRANCE. <STR>. ML 2.6 (STR), 2.5 (LDG).
23	15	25	08.2&	36.800	N	5.810	W	1				19	STRAIT OF GIBRALTAR. <MDD>. mbLg 3.5 (MDD). Felt (II) at Arcos de la Frontera, Spain.
23	15	45	05.7	10.789	S	74.314	W	33	N	4.7	0.9	25	CENTRAL PERU

23	15	50	59.6*	10.693	S	74.434	W	33	N	4.0		0.7	12	CENTRAL PERU
23	16	05	32.1	39.041	N	29.362	W	10	G	4.8		1.2	26	AZORES ISLANDS
23	17	18	51.5*	40.113	N	25.880	E	33	N			0.6	17	AEGEAN SEA
23	17	31	56.6&	46.400	N	1.400	E	2					8	FRANCE. <LDG>. ML 2.3 (LDG).
23	17	46	31.0&	36.939	N	121.685	W	12					9	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM). Felt at Watsonville.
23	18	24	40.7*	17.688	S	167.541	E	33	N	4.7		1.2	38	VANUATU ISLANDS
23	18	37	33.0*	18.120	S	167.771	E	33	N	4.9		1.1	39	VANUATU ISLANDS
23	19	10	22.2*	18.137	S	167.777	E	33	N			1.2	13	VANUATU ISLANDS
23	22	23	05.9	35.190	N	141.140	E	52	D	4.0		1.0	25	NEAR EAST COAST OF HONSHU, JAPAN
23	23	25	42.6*	29.908	N	50.148	E	62	D	4.2		1.1	16	SOUTHERN IRAN
23	23	53	36.4?	51.51	N	16.15	E	5	G			0.8	5	POLAND. ML 2.9 (VIE).
23	23	59	58.3*	35.147	N	141.314	E	33	N			0.8	8	NEAR EAST COAST OF HONSHU, JAPAN
24	00	48	35.6*	17.525	S	178.803	W	550	G	4.3		0.8	16	FIJI ISLANDS REGION
24	01	24	53.9&	59.031	N	154.609	W	111					45	SOUTHERN ALASKA. <AEIC>.
24	02	28	23.1&	31.728	S	70.316	W	138					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
24	03	29	59.9&	18.570	N	66.910	W	18					8	PUERTO RICO REGION. <MPR>. MD 2.9 (MPR).
24	03	53	18.2&	31.599	S	72.017	W	38					10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
24	04	57	37.5&	32.853	S	71.452	W	57					14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
24	05	31	40.9	0.789	S	20.862	W	10	G	4.7		1.0	35	CENTRAL MID-ATLANTIC RIDGE
24	06	12	00.5*	13.850	S	167.207	E	150	G	4.3		1.2	38	VANUATU ISLANDS
24	06	23	23.2?	39.00	N	139.49	E	33	N			0.6	5	NEAR WEST COAST OF HONSHU, JAPAN. Felt (I JMA) in eastern Fukushima Prefecture.
24	06	45	28.8*	24.248	N	121.881	E	33	N	4.1		1.4	14	TAIWAN
24	06	59	41.9*	24.304	N	121.526	E	33	N	3.5		0.5	5	TAIWAN
24	07	09	38.3&	61.985	N	150.400	W	49					38	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
24	07	29	36.6&	37.070	N	3.920	W	8					5	SPAIN. <MDD>. mbLg 1.7 (MDD).
24	08	21	56.7&	36.530	N	3.190	W	3					13	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.4 (MDD).
24	08	29	21.8&	30.790	S	72.115	W	24					17	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
24	08	38	45.8&	30.778	S	72.100	W	24					11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
24	08	45	27.5*	7.141	S	155.315	E	33	N	4.5		0.9	10	SOLOMON ISLANDS
24	09	29	07.8*	5.527	N	125.857	E	127	*	4.5		1.0	17	MINDANAO, PHILIPPINE ISLANDS
24	09	35	19.5&	14.800	N	60.711	W	60					4	WINDWARD ISLANDS. <FDF>. MD 2.7 (FDF).
24	09	41	52.6*	36.338	N	141.122	E	48	D	3.9		0.9	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in parts of Fukushima, Ibaraki and Tochigi Prefectures.
24	09	46	23.9&	33.890	S	71.228	W	52					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
24	09	53	38.9?	44.43	N	147.66	E	33	N	4.6		1.4	15	KURIL ISLANDS
24	10	12	34.1&	36.860	N	4.580	W	7					44	STRAIT OF GIBRALTAR. <MDD>. mbLg 3.6 (MDD).
24	10	20	46.2*	39.492	N	39.727	E	10	G	4.3		1.1	12	TURKEY
24	11	31	48.7&	31.235	N	115.601	W	12	G	4.6			86	BAJA CALIFORNIA, MEXICO. <ECX>. MD 4.7 (ECX). ML 4.8 (PAS). Felt at Heroes de la Independencia and Vicente Guerrero.
24	11	51	29.7?	36.24	N	70.69	E	150	G	3.6		0.7	7	HINDU KUSH REGION, AFGHANISTAN
24	12	32	13.9	42.844	N	12.969	E	10	G	3.6		1.3	50	CENTRAL ITALY. ML 3.9 (STR), 3.7 (VIE), 3.6 (TRI), 3.5 (LDG).
24	12	41	13.9	42.762	N	12.992	E	10	G	3.7		1.0	44	CENTRAL ITALY. ML 3.9 (STR), 3.8 (VIE), 3.7 (TRI), 3.5 (LDG).
24	13	22	01.7*	18.049	S	167.653	E	33	N	4.5		0.9	28	VANUATU ISLANDS
24	13	43	34.6*	36.191	N	70.819	E	145	*	3.5		0.8	10	HINDU KUSH REGION, AFGHANISTAN
24	14	17	11.5*	18.164	S	167.752	E	33	N	4.5		1.4	31	VANUATU ISLANDS
24	14	28	39.4&	33.131	S	69.150	W	1					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.8 (GUC).
24	14	39	07.5?	19.00	S	173.36	W	33	N			1.0	8	TONGA ISLANDS
24	14	39	20.1*	18.187	S	167.793	E	33	N			0.6	9	VANUATU ISLANDS
24	14	54	17.0&	33.812	S	70.609	W	94					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC).
24	15	11	42.4	36.321	N	28.273	E	33	N	4.5	3.8	1.3	140	DODECANESE ISLANDS. ML 4.4 (CSS), 4.4 (THE).
24	15	41	32.2*	29.794	N	50.263	E	33	N	4.2		0.8	15	SOUTHERN IRAN
24	16	14	59.1*	5.899	S	147.358	E	33	N			0.9	7	EASTERN NEW GUINEA REG., P.N.G.
24	16	37	57.5?	17.32	S	178.98	E	600	G			0.8	16	FIJI ISLANDS
24	16	38	28.1&	31.410	S	71.941	W	25					13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
24	16	45	31.7?	7.02	S	130.13	E	100	G			1.1	6	TANIMBAR ISLANDS REG., INDONESIA
24	17	13	51.0&	49.390	N	6.910	E	1	G				9	GERMANY. <FBB>. ML 2.1 (FBB), 1.8 (UCC).
24	17	17	50.4	41.926	S	174.117	E	32		4.9		0.7	23	COOK STRAIT, NEW ZEALAND. ML 5.2 (WEL). Felt at Wellington on the North Island.
24	17	40	50.4*	30.681	N	57.135	E	33	N	3.6		1.0	17	NORTHERN IRAN
24	18	13	32.6&	32.348	S	69.813	W	133					12	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.1 (GUC).
24	18	41	06.6%	41.969	S	174.209	E	33	N			0.6	7	COOK STRAIT, NEW ZEALAND. ML 4.1 (WEL).
24	19	12	24.2%	41.959	S	174.203	E	33	N			0.6	7	COOK STRAIT, NEW ZEALAND. ML 3.7 (WEL).
24	20	17	33.3	1.898	N	99.318	E	138	D	4.5		0.8	28	NORTHERN SUMATERA, INDONESIA
24	21	05	37.3	51.729	N	176.796	E	33	N	4.5		1.0	53	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
24	21	08	41.2	51.715	N	176.830	E	33	N	5.0	5.0	0.9	162	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:08:46.1; Lat 51.86 N; Lon 176.63 E; Dep 25.3; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.42, Plg=16, Azm=95; (N) Val=-0.33, Plg=73, Azm=249; (P) Val=-2.08, Plg=7, Azm=3; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=138, Dip=74, Slip=174; NP2: Strike=230, Dip=84, Slip=16.
24	21	11	51.9&	35.994	S	71.579	W	137					10	CENTRAL CHILE. <GUC>.
24	22	03	26.1?	20.55	S	179.51	W	600	G			0.4	8	FIJI ISLANDS REGION
24	22	50	12.5&	45.100	N	7.400	E	2					5	NORTHERN ITALY. <LDG>. ML 1.5 (LDG).
24	23	03	05.6&	34.600	N	5.700	W	0	G				8	MOROCCO. <MDD>. mbLg 2.2 (MDD).
25	00	16	02.2?	18.07	S	168.01	E	33	N	4.4		1.3	34	VANUATU ISLANDS
25	00	50	37.0&	38.239	N	118.389	W	11					33	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 4.2 (REN). ML 4.3 (BRK), 4.1 (GS). Felt at Mina, Nevada.
25	01	04	09.9&	30.899	S	71.695	W	53					10	NEAR COAST OF CENTRAL CHILE. <GUC>.
25	01	18	36.5	28.827	N	112.945	W	10	G	3.4		1.1	11	GULF OF CALIFORNIA
25	01	26	16.4*	40.385	N	77.643	E	33	N	4.3		1.2	14	KYRGYZSTAN-XINJIANG BORDER REG.
25	01	31	24.1	46.389	N	15.162	E	10	G			1.1	7	NORTHWESTERN BALKAN REGION. ML 1.7 (VIE), 1.3 (LJU).
25	01	46	58.3*	11.973	S	72.157	W	33	N	4.1		1.2	8	CENTRAL PERU
25	02	10	07.9*	10.448	N	126.521	E	38	D	4.5		1.0	11	PHILIPPINE ISLANDS REGION
25	02	21	48.6*	21.211	S	68.463	W	150	G	4.3		1.5	11	CHILE-BOLIVIA BORDER REGION
25	03	03	55.7	46.390	N	15.194	E	10	G			1.5	7	NORTHWESTERN BALKAN REGION. ML 1.6 (VIE), 1.0 (LJU).
25	03	09	24.8&	31.037	S	71.690	W	41					7	NEAR COAST OF CENTRAL CHILE. <GUC>.
25	03	44	42.6&	37.040	N	3.990	W	0	G				5	SPAIN. <MDD>. mbLg 1.7 (MDD).
25	04	18	11.9&	9.754	N	78.776	W	39					7	PANAMA. <UPA>. MD 3.3 (UPA).
25	05	30	04.8*	51.384	N	16.261	E	10	G			0.5	7	POLAND. ML 3.3 (VIE), 2.9 (WAR).
25	05	30	05.3*	21.581	S	175.661	W	65	D	4.4		1.3	18	TONGA ISLANDS

25	06	42	11.1	44.126	N	146.998	E	55	D	4.7		1.1	73	KURIL ISLANDS. Felt (II) at Yuzhno-Kurilsk.
25	06	47	18.0&	45.021	N	7.253	E	15					12	NORTHERN ITALY. <GEN>. ML 2.1 (GEN), 1.8 (LDG).
25	06	47	40.9&	41.723	S	174.323	E	10	G			0.1	7	COOK STRAIT, NEW ZEALAND. ML 3.3 (WEL).
25	06	58	05.1	37.726	N	29.656	E	52	D	4.4		1.3	104	TURKEY. MD 4.1 (ISK). Felt at Honaz.
25	07	08	42.6&	60.813	N	151.479	W	65					55	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
25	07	19	00.6	43.183	N	0.437	W	10	G			1.1	24	PYRENEES. ML 3.2 (LDG). mbLg 2.5 (MDD). Felt (III) in the Ossau Valley, France.
25	07	39	32.7&	37.050	N	3.650	W	5					5	SPAIN. <MDD>. mbLg 1.8 (MDD).
25	07	41	05.9*	12.656	N	95.144	E	29	D	4.7		0.9	17	ANDAMAN ISLANDS, INDIA
25	07	46	27.2	10.896	S	74.369	W	33	N	4.5		0.9	30	CENTRAL PERU
25	08	28	46.0?	6.98	S	146.35	E	75	?	4.1		0.6	6	EASTERN NEW GUINEA REG., P.N.G.
25	08	42	22.1&	35.576	S	71.252	W	124					10	CENTRAL CHILE. <GUC>.
25	09	12	26.4	40.876	N	143.834	E	33	N	5.0	4.4	0.8	111	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in Iwate Prefecture.
25	09	55	13.5&	34.235	S	70.065	W	8					27	CHILE-ARGENTINA BORDER REGION. <GUC>.
25	10	10	42.4?	53.52	N	35.58	W	10	G	3.3		1.0	7	NORTH ATLANTIC OCEAN
25	10	14	11.9&	18.610	N	66.400	W	66					6	PUERTO RICO REGION. <MPR>. MD 2.8 (MPR).
25	10	29	57.2	53.789	N	35.301	W	10	G	4.6		1.1	28	NORTH ATLANTIC OCEAN
25	10	31	54.6	45.571	N	12.561	E	10	G			1.4	38	NORTHERN ITALY. ML 3.6 (GRF), 3.6 (VIE), 3.4 (FUR), 3.1 (LDG).
25	10	52	12.0?	46.38	N	15.04	E	10	G			0.3	4	NORTHWESTERN BALKAN REGION. ML 2.0 (VIE), 1.8 (LJU).
25	10	59	58.5*	45.551	N	12.668	E	10	G			1.2	15	NORTHERN ITALY. ML 2.8 (VIE).
25	12	38	34.9*	46.250	N	15.778	E	10	G			0.6	5	NORTHWESTERN BALKAN REGION. ML 2.7 (VIE).
25	13	21	30.9?	51.77	N	176.75	E	33	N	3.9		0.2	6	RAT ISLANDS, ALEUTIAN ISLANDS
25	14	14	48.3&	31.680	S	69.795	W	157					10	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
25	15	12	44.0&	32.937	S	72.350	W	35					11	OFF COAST OF CENTRAL CHILE. <GUC>.
25	15	15	30.5&	36.410	N	4.700	W	0	G				5	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.2 (MDD).
25	15	52	33.2	53.549	N	109.990	E	10	G	4.1		1.1	24	LAKE BAYKAL REGION, RUSSIA. Felt (V) at Barguzin, Suvo and Ust-Barguzin.
25	16	20	56.7*	36.978	N	21.033	E	10	G			0.9	11	SOUTHERN GREECE
25	16	23	01.3*	18.086	S	167.747	E	33	N	4.5		1.1	38	VANUATU ISLANDS
25	16	44	17.9*	52.268	N	169.564	W	33	N	4.7		0.9	20	FOX ISLANDS, ALEUTIAN ISLANDS
25	17	09	33.4	17.371	N	100.856	W	33	N	4.8		1.0	88	GUERRERO, MEXICO
25	17	14	34.7*	22.594	N	144.278	E	33	N	4.2		1.3	18	VOLCANO ISLANDS REGION
25	17	32	21.5	35.398	N	140.846	E	49	*	4.9	4.3	0.9	92	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in northern Chiba Prefecture; (I JMA) in parts of Ibaraki, Saitama and Tochigi Prefectures.
25	17	34	03.5*	18.411	S	167.290	E	33	N	4.2		1.3	19	VANUATU ISLANDS
25	17	57	23.7*	53.868	N	35.439	W	10	G			0.8	9	NORTH ATLANTIC OCEAN
25	18	40	33.8*	18.779	N	106.375	W	33	N	3.9		1.3	17	OFF COAST OF JALISCO, MEXICO
25	19	05	51.6	53.936	N	35.223	W	10	G	5.3	5.5	0.9	288	NORTH ATLANTIC OCEAN. Mw 5.6 (GS), 5.6 (HRV). Moment Tensor (GS): Dep 2; Principal axes (scale 10**17 Nm): (T) Val=2.99, Plg=15, Azm=262; (N) Val=0.28, Plg=40, Azm=5; (P) Val=-3.27, Plg=46, Azm=155; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=311, Dip=46, Slip=-153; NP2: Strike=201, Dip=71, Slip=-47. Centroid, Moment Tensor (HRV): Centroid origin time 19:05:54.2; Lat 53.84 N; Lon 35.22 W; Dep 15.0 Bdy; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.38, Plg=13, Azm=280; (N) Val=0.94, Plg=24, Azm=16; (P) Val=-3.32, Plg=62, Azm=163; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=341, Dip=38, Slip=-132; NP2: Strike=209, Dip=63, Slip=-62.
25	19	21	19.8*	54.031	N	35.258	W	10	G	4.4		0.6	15	NORTH ATLANTIC OCEAN
25	19	52	51.7	53.702	N	35.278	W	10	G	4.5		1.2	77	NORTH ATLANTIC OCEAN
25	19	53	18.1	53.993	N	35.273	W	10	G	5.1	5.2	0.9	185	NORTH ATLANTIC OCEAN
25	19	55	05.0&	49.390	N	6.960	E	1					8	GERMANY. <FBB>. ML 2.0 (FBB).
25	21	33	41.2&	54.071	N	164.006	W	6		3.5			23	UNIMAK ISLAND REGION. <AEIC>. ML 3.6 (AEIC).
25	22	08	37.4&	45.700	N	0.800	W	2					7	FRANCE. <LDG>.
25	22	58	07.2	36.592	N	26.442	E	33	N	3.7		1.0	37	DODECANESE ISLANDS
25	23	06	45.8&	18.020	N	67.080	W	14					4	MONA PASSAGE. <MPR>. MD 2.2 (MPR).
25	23	07	04.5&	49.400	N	2.700	W	5					10	FRANCE. <LDG>. ML 2.3 (LDG), 1.6 (BGS).
25	23	16	03.5&	34.190	S	71.001	W	82					13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.6 (GUC).
26	00	06	53.0?	15.16	S	173.62	W	33	N	4.2		1.1	16	TONGA ISLANDS
26	00	22	33.4&	36.580	N	7.940	W	15					10	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.5 (MDD).
26	00	22	41.9&	18.030	N	67.100	W	14					5	MONA PASSAGE. <MPR>. MD 2.5 (MPR).
26	01	28	52.4*	18.716	N	106.240	W	33	N	4.2		1.2	31	OFF COAST OF JALISCO, MEXICO
26	01	36	53.4&	61.522	N	152.059	W	3					54	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).
26	01	44	11.4*	35.682	N	141.012	E	33	N	3.9		0.7	8	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in northern Chiba and (I JMA) in southern Ibaraki Prefectures.
26	01	46	52.3*	55.886	S	27.487	W	100	G	4.9		1.0	17	SOUTH SANDWICH ISLANDS REGION
26	01	56	03.9*	34.701	N	83.493	E	33	N	4.4		0.9	28	XIZANG
26	02	10	26.6	36.379	N	89.582	W	10	G			0.4	11	NEW MADRID, MISSOURI REGION. mbLg 2.5 (GS).
26	02	12	18.2*	21.000	N	146.108	E	33	N	4.5		1.2	26	MARIANA ISLANDS REGION
26	02	58	13.1?	20.61	S	178.02	W	350	G	4.7		0.8	10	FIJI ISLANDS REGION
26	03	16	58.9	47.686	N	152.327	E	150	G	4.8		0.8	167	KURIL ISLANDS
26	03	19	20.3&	44.276	N	7.351	E	16					15	NORTHERN ITALY. <GEN>. ML 2.1 (GEN), 1.9 (LDG).
26	03	24	01.6&	42.900	N	0.300	E	2					5	PYRENEES. <LDG>. ML 2.1 (LDG).
26	03	30	20.3&	42.960	N	0.240	E	2	G				12	PYRENEES. <STR>. mbLg 2.5 (MDD). ML 2.3 (LDG).
26	04	08	45.2&	49.370	N	6.890	E	1	G				10	GERMANY. <STR>. ML 1.6 (STR).
26	05	17	10.2&	62.297	N	148.119	W	18					35	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
26	05	36	21.5&	38.785	N	122.770	W	3					9	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK), 3.1 (GS).
26	06	13	13.8	0.137	S	125.315	E	56	D	4.8		1.2	27	SOUTHERN MOLUCCA SEA
26	06	22	25.3*	32.392	S	179.689	W	33	N	4.8		0.8	12	SOUTH OF KERMADEC ISLANDS
26	06	56	06.1?	36.33	N	140.40	E	33	N			1.1	8	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in northern Chiba Prefecture.
26	07	28	10.3	1.707	N	98.991	E	118	D	4.8		1.2	84	NORTHERN SUMATERA, INDONESIA
26	08	16	49.0*	50.968	N	156.645	E	33	N	4.4		0.7	7	KURIL ISLANDS
26	10	07	08.3&	36.460	N	3.170	W	0	G				7	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.4 (MDD).
26	10	16	34.6&	30.962	S	71.821	W	39					13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
26	10	25	13.8	22.777	S	66.501	W	219		3.9		0.9	29	JUJUY PROVINCE, ARGENTINA
26	10	29	41.9?	19.34	N	109.06	W	10	G	3.6		1.3	11	REVILLA GIGEDO ISLANDS REGION

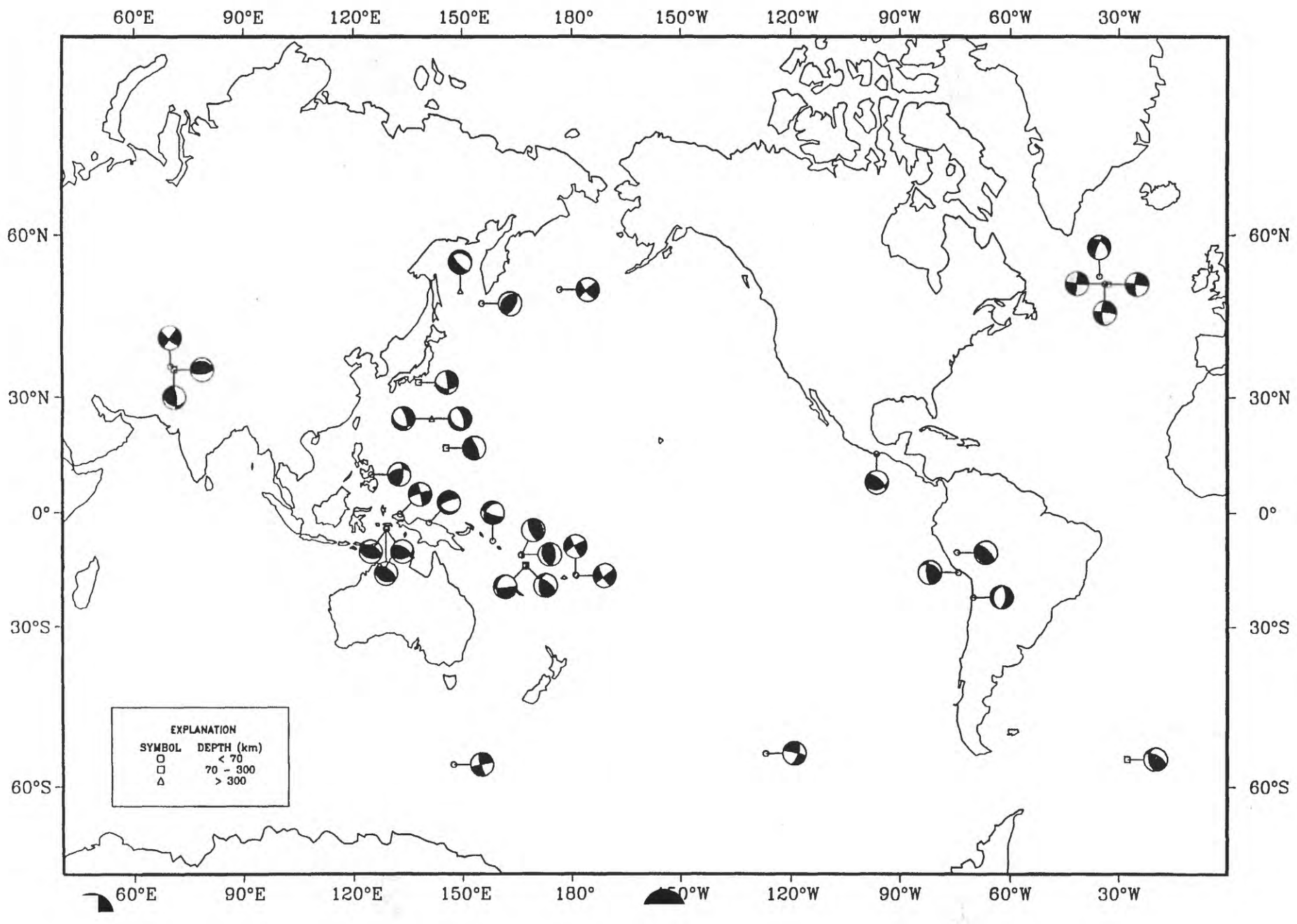
26	10	42	10.0?	16.68	S	179.35	W	500	G	4.0		0.9	12	FIJI ISLANDS REGION
26	10	58	19.4	55.723	S	25.034	W	33	N	5.2	4.6	0.9	44	SOUTH SANDWICH ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:58:24.0; Lat 56.05 S; Lon 24.68 W; Dep 15.8; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.79, Plg=22, Azm=30; (N) Val=0.26, Plg=36, Azm=282; (P) Val=-1.04, Plg=46, Azm=145; Best double couple: Mo=9.1*10**16 Nm; NP1: Strike=165, Dip=39, Slip=-22; NP2: Strike=272, Dip=76, Slip=-127.
26	11	08	44.5&	62.344	N	151.022	W	71					60	CENTRAL ALASKA. <AEIC>.
26	11	35	24.3*	46.419	N	15.277	E	10	G			1.1	5	NORTHWESTERN BALKAN REGION. ML 1.8 (VIE).
26	11	44	26.3&	43.534	N	8.208	E	8					18	CORSICA. <GEN>. ML 2.3 (LDG), 2.2 (GEN), 2.2 (STR).
26	12	09	20.1	44.675	N	17.675	E	23		4.6		1.2	157	NORTHWESTERN BALKAN REGION. ML 4.5 (ZAG), 4.5 (VIE), 4.0 (LJU).
26	12	58	45.2&	37.340	N	3.540	W	0	G				11	SPAIN. <MDD>. mbLg 2.3 (MDD).
26	14	13	03.4	33.249	S	136.755	E	33	N	3.6		1.3	13	NEAR SOUTH COAST OF AUSTRALIA
26	14	20	31.0&	46.070	N	76.360	W	18	G				3	SOUTHERN QUEBEC, CANADA. <OTT-P>. mbLg 3.7 (OTT), 3.5 (GS). Felt at Gracefield and Lac-Cayamant.
26	14	54	05.9?	13.49	N	90.50	W	33	N	4.7		1.5	12	NEAR COAST OF GUATEMALA
26	16	20	16.9*	56.696	N	34.386	W	10	G	4.3		1.1	17	NORTH ATLANTIC OCEAN
26	16	23	01.3?	28.58	N	138.50	E	550	G	4.1		1.1	18	BONIN ISLANDS REGION
26	16	23	52.7	3.979	S	152.337	E	178	D	5.1		0.7	139	NEW IRELAND REGION, P.N.G.
26	16	59	53.4&	50.300	N	6.480	E	1	G				6	GERMANY. <STR>. ML 2.4 (STR).
26	17	22	31.4	10.817	S	74.335	W	33	N	4.6		0.7	45	CENTRAL PERU
26	17	44	48.4*	17.409	S	179.137	E	600	G	4.3		0.8	22	FIJI ISLANDS
26	18	25	46.2*	36.599	N	70.313	E	200	G	3.4		0.8	14	HINDU KUSH REGION, AFGHANISTAN
26	18	35	47.8*	8.437	S	110.810	E	100	G	4.0		0.7	10	JAWA, INDONESIA
26	18	36	07.2?	11.56	N	94.55	E	65	?			1.2	14	ANDAMAN ISLANDS, INDIA
26	19	18	00.1*	23.469	N	142.769	E	33	N	4.4		0.8	22	VOLCANO ISLANDS REGION
26	19	22	08.1?	42.17	S	174.14	E	10	G			0.2	7	OFF E. COAST OF S. ISLAND, N.Z. ML 3.2 (WEL).
26	19	44	35.0*	35.153	S	106.657	W	10	G	4.8	4.3	1.1	44	SOUTHERN EAST PACIFIC RISE
26	20	00	02.4&	9.720	N	79.719	W	24					7	PANAMA. <UPA>. MD 3.1 (UPA).
26	20	36	33.2*	19.740	S	70.616	W	63	*	4.1		1.3	28	NEAR COAST OF NORTHERN CHILE
26	20	51	57.1&	32.077	N	115.428	W	15					20	CALIF.-BAJA CALIF. BORDER REGION. <ECX>. MD 3.4 (ECX). ML 3.6 (PAS).
26	21	00	24.3&	44.500	N	6.400	E	2					6	FRANCE. <LDG>. ML 2.0 (LDG).
26	21	09	43.6&	46.200	N	7.500	E	2					18	SWITZERLAND. <LDG>. ML 2.2 (LDG), 2.1 (STR).
26	22	14	06.7	37.737	N	22.161	E	33	N	4.0		1.2	65	SOUTHERN GREECE
26	22	20	06.2*	51.618	N	16.228	E	5	G			0.8	12	POLAND. ML 3.7 (GRF), 3.5 (VIE), 3.1 (WAR).
26	22	47	23.5*	7.562	S	127.624	E	100	G	4.5		1.2	19	BANDA SEA
26	22	55	52.0	44.672	N	129.052	W	10	G	2.9		0.7	63	OFF COAST OF OREGON
26	23	03	06.7	51.541	N	16.068	E	5	G			0.5	15	POLAND. ML 3.5 (GRF), 3.4 (VIE), 3.1 (WAR).
26	23	14	37.9	54.016	N	35.277	W	10	G	4.7	4.9	1.0	106	NORTH ATLANTIC OCEAN. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:14:38.6; Lat 54.27 N; Lon 35.54 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.65, Plg=0, Azm=111; (N) Val=0.09, Plg=0, Azm=21; (P) Val=-3.74, Plg=90, Azm=180; Best double couple: Mo=3.7*10**16 Nm; NP1: Strike=201, Dip=45, Slip=-90; NP2: Strike=21, Dip=45, Slip=-90.
26	23	15	15.3	54.003	N	35.130	W	10	G	3.6		0.9	20	NORTH ATLANTIC OCEAN
26	23	40	04.3?	25.67	S	179.13	W	400	G	4.1		1.4	18	SOUTH OF FIJI ISLANDS
26	23	42	40.8	53.969	N	35.097	W	10	G	4.6	4.3	1.3	72	NORTH ATLANTIC OCEAN
27	00	53	05.2?	27.73	S	176.21	W	33	N	4.5		1.1	7	KERMADEC ISLANDS REGION
27	02	05	13.6	42.362	N	145.745	E	33	N	4.5		0.8	52	HOKKAIDO, JAPAN REGION
27	02	17	29.8?	42.17	S	174.13	E	10	G			0.3	6	OFF E. COAST OF S. ISLAND, N.Z. ML 3.4 (WEL).
27	02	36	16.5?	54.03	N	160.83	E	33	N	3.0		0.4	5	NEAR EAST COAST OF KAMCHATKA
27	02	39	11.3*	53.901	S	2.747	W	10	G	4.8		1.3	18	SOUTHERN MID-ATLANTIC RIDGE
27	02	42	23.5&	36.582	N	36.434	E	6					5	JORDAN - SYRIA REGION. <ISK>. MD 3.7 (ISK).
27	02	43	02.0*	18.669	S	177.783	W	500	G	4.1		1.0	24	FIJI ISLANDS REGION
27	02	56	37.8?	14.40	N	91.33	W	33	N	3.7		0.7	11	GUATEMALA
27	02	57	54.4	13.621	N	90.744	W	59	D	4.5		0.9	40	NEAR COAST OF GUATEMALA
27	03	18	12.0&	33.832	S	71.037	W	82					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.6 (GUC).
27	04	04	38.9&	35.650	N	1.310	W	0	G				9	NORTHERN ALGERIA. <MDD>. mbLg 2.0 (MDD).
27	04	09	11.0&	44.540	N	6.810	E	2	G				11	FRANCE. <STR>. ML 1.6 (STR), 1.5 (LDG).
27	05	32	41.0*	42.987	N	12.816	E	10	G			1.0	13	CENTRAL ITALY. ML 3.2 (VIE), 3.0 (LDG).
27	05	42	29.4&	38.996	N	28.602	E	7					8	TURKEY. <ISK>. MD 2.8 (ISK).
27	05	48	46.3?	29.23	N	129.89	E	79	*	3.4		1.3	7	RYUKYU ISLANDS
27	05	49	02.0&	45.118	N	7.350	E	11					22	NORTHERN ITALY. <GEN>. ML 2.3 (GEN), 2.0 (LDG).
27	06	18	55.4&	38.800	N	0.050	W	7					10	SPAIN. <MDD>. mbLg 2.6 (MDD).
27	06	45	38.0&	39.558	N	28.007	E	13					4	TURKEY. <ISK>. MD 2.7 (ISK).
27	06	48	13.0&	39.527	N	27.939	E	10	G				17	TURKEY. <ISK>. MD 3.4 (ISK).
27	07	30	54.4*	38.334	S	91.223	W	10	G	4.5	4.0	1.0	12	WEST CHILE RISE
27	07	55	07.7*	4.330	N	125.972	E	100	G	4.4		1.2	18	TALAUD ISLANDS, INDONESIA
27	07	58	57.9&	39.265	N	29.311	E	10	G				10	TURKEY. <ISK>. MD 3.2 (ISK).
27	08	58	24.0*	7.312	S	146.160	E	33	N	4.3		1.0	6	EASTERN NEW GUINEA REG., P.N.G.
27	09	02	59.6	51.901	N	176.046	W	48	D	4.4		0.8	30	ANDREANOF ISLANDS, ALEUTIAN IS.
27	09	31	37.0	30.064	N	139.043	E	400	G	4.3		0.9	25	SOUTH OF HONSHU, JAPAN
27	10	27	30.6&	44.750	N	4.670	E	2	G				8	FRANCE. <STR>. ML 2.6 (STR).
27	10	34	00.7&	43.849	N	7.767	E	7					38	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.9 (GEN), 2.9 (LDG), 2.9 (STR).
27	10	45	26.1&	61.540	N	146.964	W	20					69	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
27	10	55	21.7&	62.195	N	151.266	W	81					75	CENTRAL ALASKA. <AEIC>.
27	10	59	57.7&	43.844	N	7.760	E	8					36	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.8 (GEN), 2.7 (LDG), 2.7 (STR).
27	11	04	31.1&	43.821	N	7.530	E	25					5	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 1.6 (GEN).
27	11	13	49.5&	46.370	N	7.080	E	10	G				5	SWITZERLAND. <STR>. ML 2.2 (STR).
27	13	08	32.5&	36.770	N	5.750	W	4					26	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.9 (MDD). Felt (IV) at Arcos de la Frontera, Spain.
27	14	05	41.1?	42.06	S	174.03	E	20	G			0.3	7	OFF E. COAST OF S. ISLAND, N.Z. ML 3.4 (WEL).
27	14	26	12.2	6.906	S	129.844	E	100	G	3.5		1.4	18	BANDA SEA
27	14	30	00.7*	13.145	S	167.355	E	200	G	4.4		0.8	18	VANUATU ISLANDS
27	15	17	05.3&	47.470	N	6.650	E	10	G				7	FRANCE. <STR>. ML 1.7 (STR).

27	17	33	41.1	6.646	S	130.408	E	33	N	4.3		1.3	20	BANDA SEA
27	18	02	42.7	39.688	N	49.134	E	51	D	4.6		0.9	78	CASPIAN SEA
27	18	56	54.1	43.322	N	147.075	E	57	D	4.9		0.9	107	KURIL ISLANDS. Felt (II) at Yuzhno-Kurilsk.
27	19	15	29.4?	11.93	N	144.43	E	33	N			1.1	10	SOUTH OF MARIANA ISLANDS
27	20	17	07.3*	8.807	S	124.424	E	109	*	3.9		1.0	10	TIMOR REGION, INDONESIA
27	20	23	12.3	2.782	S	140.874	E	16		5.2	5.1	0.9	81	NEAR NORTH COAST OF IRIAN JAYA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:23:17.3; Lat 2.82 S; Lon 141.10 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.43, Plg=25, Azm=355; (N) Val=-0.17, Plg=20, Azm=255; (P) Val=-1.26, Plg=57, Azm=131; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=121, Dip=27, Slip=-41; NP2: Strike=249, Dip=73, Slip=-111.
27	21	58	23.4&	36.717	N	121.011	W	6					15	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.3 (BRK).
27	22	18	16.4	43.289	N	147.605	E	33	N	4.8		1.1	58	KURIL ISLANDS
27	22	21	30.4&	44.300	N	6.500	E	2					11	FRANCE. <LDG>. ML 2.0 (STR), 1.8 (LDG).
27	22	41	29.3*	6.187	S	147.166	E	60	*	4.2		1.2	18	EASTERN NEW GUINEA REG., P.N.G.
27	23	12	06.3&	17.378	N	101.752	W	7					19	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.3 (UNM).
27	23	27	09.5	36.937	N	71.529	E	116	*	4.5		0.8	46	AFGHANISTAN-TAJIKISTAN BORD REG.
27	23	39	20.7&	31.140	S	71.871	W	22					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
28	00	39	12.5	37.049	N	48.719	E	52	*	4.6		1.2	71	NORTHWESTERN IRAN
28	00	42	59.2&	52.952	N	2.264	W	2					6	UNITED KINGDOM. <BGS>. ML 1.7 (BGS). Felt (III) at Heath and Whitmore.
28	01	20	34.9*	20.403	S	178.573	W	600	G	4.1		0.9	21	FIJI ISLANDS REGION
28	02	10	30.6	23.430	S	179.745	W	500	G	4.1		0.9	24	SOUTH OF FIJI ISLANDS
28	02	46	27.2*	6.150	S	149.300	E	100	G	4.4		1.3	16	NEW BRITAIN REGION, P.N.G.
28	03	50	57.7&	35.139	S	72.181	W	17					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
28	04	13	30.2&	64.630	N	150.529	W	34					8	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.9 (PMR).
28	04	35	46.8&	36.470	N	3.240	W	22					7	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.9 (MDD).
28	04	59	30.7	27.024	N	87.561	E	33	N	4.4		1.0	29	NEPAL
28	05	08	13.7&	31.239	S	69.386	W	217					11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.6 (GUC).
28	05	21	58.5&	42.900	N	0.300	W	2					15	PYRENEES. <LDG>. ML 2.0 (LDG). mbLg 2.0 (MDD).
28	06	52	31.8	6.643	S	129.917	E	150	G	4.0		0.9	19	BANDA SEA
28	07	00	32.7?	15.03	S	173.88	W	33	N	3.9		0.7	9	TONGA ISLANDS
28	08	00	03.1*	39.407	N	78.205	E	33	N	3.8		1.0	8	SOUTHERN XINJIANG, CHINA
28	08	59	27.4&	63.244	N	151.237	W	11					61	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.5 (PMR).
28	10	03	45.2*	20.845	S	67.092	W	211	*	3.7		0.8	11	SOUTHERN BOLIVIA
28	10	16	05.0*	10.412	N	126.447	E	33	N			0.8	12	PHILIPPINE ISLANDS REGION
28	10	19	23.8*	27.813	S	176.298	W	33	N	4.8	5.0	1.0	35	KERMADEC ISLANDS REGION
28	10	44	22.8*	37.331	N	69.710	E	33	N	3.6		1.4	10	AFGHANISTAN-TAJIKISTAN BORD REG.
28	10	46	52.3	14.424	S	167.355	E	185	D	5.4		0.9	302	VANUATU ISLANDS. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:46:57.9; Lat 14.32 S; Lon 167.07 E; Dep 187.6; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.47, Plg=57, Azm=167; (N) Val=-0.02, Plg=31, Azm=327; (P) Val=-6.45, Plg=11, Azm=60; Best double couple: Mo=6.5*10**17 Nm; NP1: Strike=182, Dip=44, Slip=138; NP2: Strike=305, Dip=63, Slip=55.
28	11	25	11.3*	1.698	S	89.909	W	33	N	4.9		0.9	46	GALAPAGOS ISLANDS
28	12	18	04.5*	5.643	S	131.022	E	33	N	4.0		1.5	21	BANDA SEA
28	12	20	38.2&	39.460	N	0.900	W	0	G				5	SPAIN. <MDD>. mbLg 1.9 (MDD).
28	14	46	19.7	51.676	N	173.487	W	33	N	4.9	4.5	0.8	163	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
28	14	59	57.0&	38.804	N	25.948	E	10	G				26	AEGEAN SEA. <ISK>. MD 3.7 (ISK).
28	15	11	13.8*	52.984	N	153.596	E	500	G	4.4		0.8	11	NORTHWEST OF KURIL ISLANDS
28	16	22	42.5*	9.459	S	123.913	E	33	N	3.8		1.1	8	TIMOR REGION, INDONESIA
28	16	55	02.7&	34.022	S	70.045	W	5					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
28	17	37	24.8&	36.540	N	4.530	W	84					20	STRAIT OF GIBRALTAR. <MDD>.
28	17	38	48.6	33.458	N	138.124	E	291	D	5.3		0.8	322	SOUTH OF HONSHU, JAPAN. Mw 5.7 (GS), 5.7 (HRV). Felt (II JMA) in eastern Fukushima and parts of Chiba, Ibaraki and Tochigi; (I JMA) in parts of Gumma, Kanagawa, Miyagi, Nagano, Saitama and Shizuoka Prefectures. Also felt (I JMA) in the Tokyo area and on Hachijo-jima. Moment Tensor (GS): Dep 295; Principal axes (scale 10**17 Nm): (T) Val=3.29, Plg=24, Azm=51; (N) Val=0.51, Plg=44, Azm=166; (P) Val=-3.80, Plg=36, Azm=302; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=91, Dip=45, Slip=-169; NP2: Strike=354, Dip=83, Slip=-45. Centroid, Moment Tensor (HRV): Centroid origin time 17:38:52.1; Lat 33.40 N; Lon 138.18 E; Dep 293.9; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=3.51, Plg=25, Azm=41; (N) Val=1.12, Plg=45, Azm=159; (P) Val=-4.63, Plg=34, Azm=292; Best double couple: Mo=4.1*10**17 Nm; NP1: Strike=80, Dip=46, Slip=-172; NP2: Strike=344, Dip=84, Slip=-45.
28	18	14	39.8&	19.380	N	63.600	W	54		4.0			24	LEEWARD ISLANDS. <MPR>. MD 4.1 (MPR).
28	18	17	59.3&	19.580	N	63.650	W	55					6	LEEWARD ISLANDS. <MPR>. MD 3.7 (MPR).
28	19	42	06.1&	44.500	N	6.400	E	2					10	FRANCE. <LDG>. ML 2.1 (LDG), 1.8 (STR).
28	19	52	38.6	31.534	S	68.425	W	33	N			0.7	13	SAN JUAN PROVINCE, ARGENTINA
28	22	12	10.1*	41.995	S	174.197	E	10	G			0.5	7	COOK STRAIT, NEW ZEALAND. ML 4.0 (WEL).
28	22	15	12.0	7.845	S	158.440	E	45	D	5.5	5.1	0.9	161	SOLOMON ISLANDS. Mw 5.6 (HRV), 5.5 (GS). Moment Tensor (GS): Dep 42; Principal axes (scale 10**17 Nm): (T) Val=1.89, Plg=22, Azm=172; (N) Val=0.88, Plg=35, Azm=279; (P) Val=-2.77, Plg=46, Azm=57; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=217, Dip=39, Slip=-157; NP2: Strike=109, Dip=76, Slip=-53. Centroid, Moment Tensor (HRV): Centroid origin time 22:15:17.0; Lat 7.84 S Fix; Lon 158.44 E Fix; Dep 39.7; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.48, Plg=39, Azm=198; (N) Val=0.10, Plg=11, Azm=297; (P) Val=-2.59, Plg=49, Azm=39; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=231, Dip=12, Slip=-156; NP2: Strike=118, Dip=85, Slip=-79.
28	22	31	19.3	7.279	S	103.488	E	33	N	4.7	4.5	0.9	44	SOUTHWEST OF SUMATERA, INDONESIA

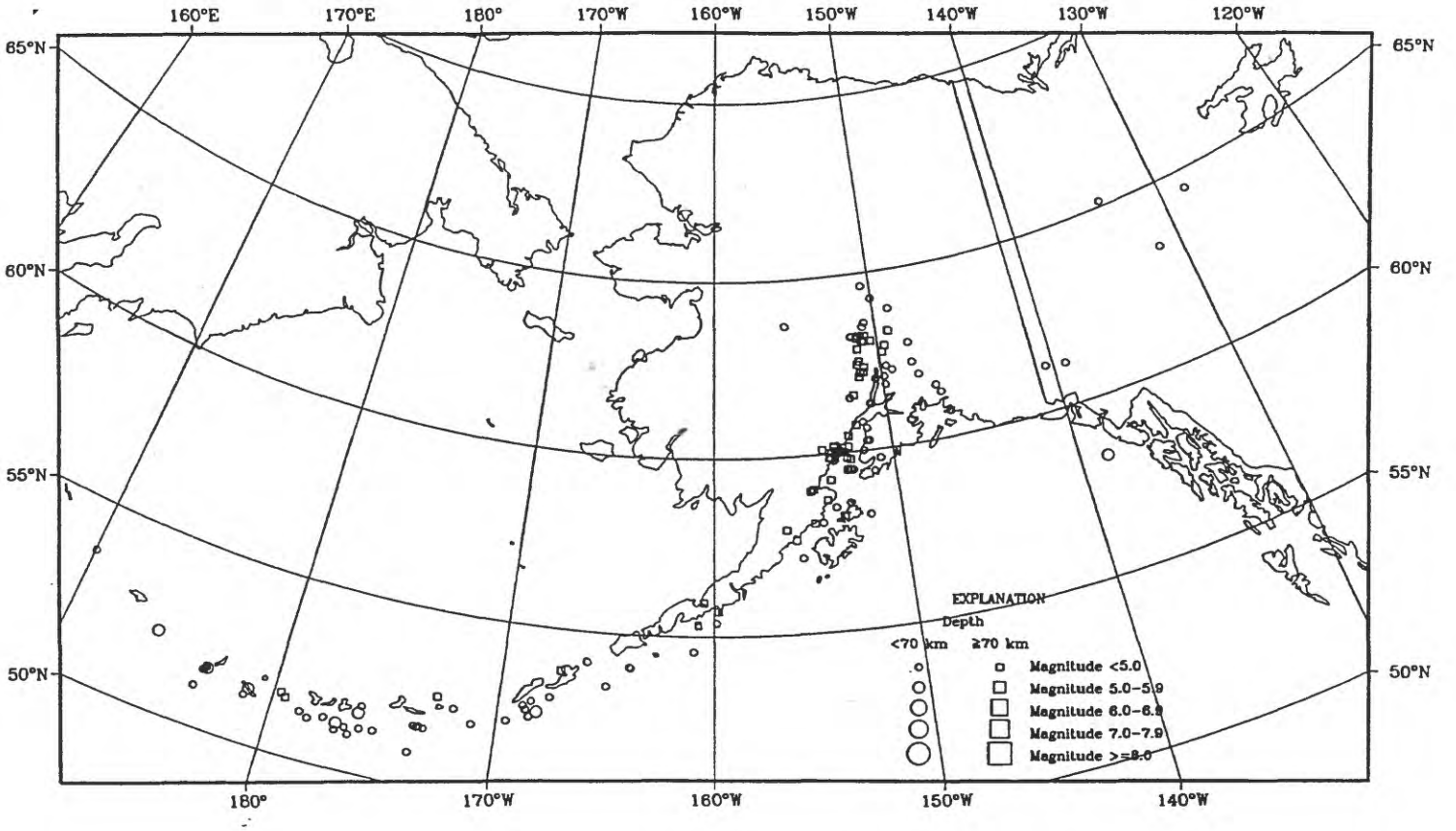
28	23 17 58.2*	10.761 S	74.322 W	33 N	4.3	1.0	19	CENTRAL PERU	
28	23 51 06.9&	44.166 N	6.826 E	3			32	FRANCE. <GEN>. ML 2.6 (GEN), 2.2 (LDG), 2.2 (STR).	

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.

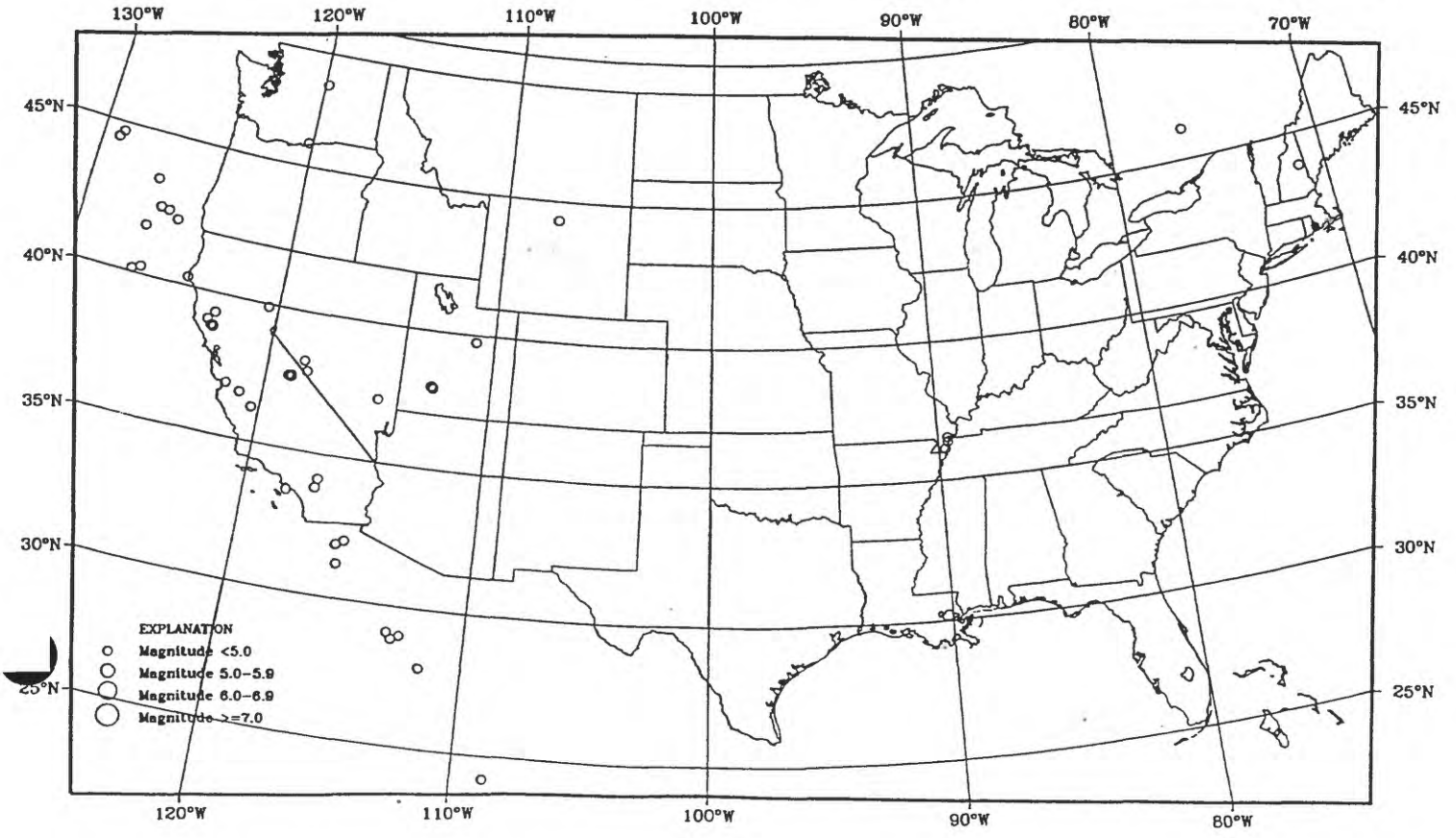
Earthquake Focal Mechanisms for February 1998



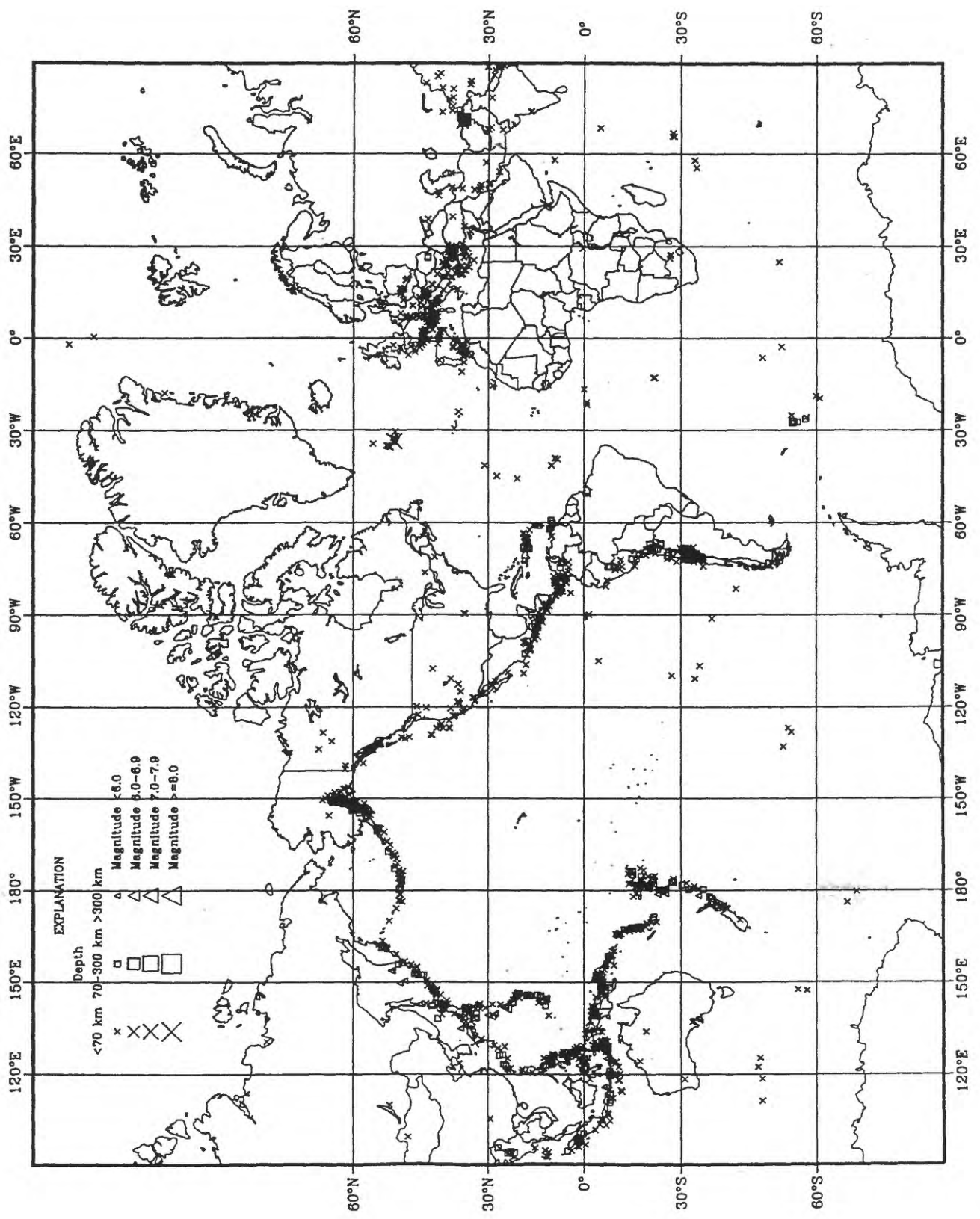
Earthquake epicenters in Alaska and adjacent regions for February 1998



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



Earthquakes located worldwide in February 1998



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

Preliminary Determination of Epicenters

Monthly Listing

National Earthquake Information Center

MARCH 1998

ORIGIN TIME UTC DAY	HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH	MAGNITUDE GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00	19	45.2?	41.83	S	174.51	E	33 N			0.3	6	COOK STRAIT, NEW ZEALAND. ML 3.4 (WEL).
01	01	11	25.4&	18.020	N	67.060	W	11				7	MONA PASSAGE. <MPR>. MD 2.6 (MPR).
01	01	22	35.0*	4.305	N	125.739	E	100 G	4.4		1.1	19	TALAUD ISLANDS, INDONESIA
01	01	32	35.6&	31.112	S	71.711	W	18				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
01	01	51	02.1	18.306	S	65.895	W	46 *	4.8	4.7	1.2	55	CENTRAL BOLIVIA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:51:04.3; Lat 18.20 S; Lon 65.44 W; Dep 42.9; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.05, Plg=32, Azm=320; (N) Val=-0.24, Plg=49, Azm=97; (P) Val=-0.81, Plg=22, Azm=215; Best double couple: Mo=9.3*10**16 Nm; NP1: Strike=354, Dip=50, Slip=172; NP2: Strike=90, Dip=84, Slip=41.
01	03	50	31.4	29.935	S	72.043	W	10 G			0.9	20	OFF COAST OF CENTRAL CHILE. MD 4.5 (GUC).
01	03	57	52.6&	61.003	N	151.273	W	58				65	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
01	04	03	49.5&	19.541	N	155.943	W	14				19	HAWAII. <HVO-P>. MD 4.0 (HVO). Felt at Captain Cook, Honalo, Honaunau, Kailua-Kona, Kealakehe, Kealakekua, Keauhou Mauka and Kona Palisades.
01	04	32	34.2?	65.83	N	154.19	W	10 G			0.4	5	NORTHERN ALASKA. ML 3.0 (PMR).
01	04	42	25.2&	35.464	S	71.143	W	117				11	CENTRAL CHILE. <GUC>. MD 2.9 (GUC).
01	04	45	03.0*	56.982	N	131.549	E	33 N	4.5		0.9	14	SOUTHEASTERN SIBERIA, RUSSIA
01	05	09	07.9&	44.573	N	8.655	E	6				10	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
01	05	42	10.9&	35.469	S	71.608	W	100				11	CENTRAL CHILE. <GUC>. MD 2.9 (GUC).
01	06	15	51.4	7.620	S	158.160	E	33 N	5.4	5.1	1.0	173	SOLOMON ISLANDS. Mw 5.5 (GS), 5.5 (HRV). Moment Tensor (GS): Dep 38; Principal axes (scale 10**17 Nm): (T) Val=1.98, Plg=17, Azm=167; (N) Val=-0.05, Plg=42, Azm=273; (P) Val=-1.92, Plg=43, Azm=61; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=214, Dip=47, Slip=-157; NP2: Strike=108, Dip=74, Slip=-46. Centroid, Moment Tensor (HRV): Centroid origin time 06:15:58.4; Lat 7.66 S; Lon 158.21 E; Dep 33.6; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.77, Plg=23, Azm=174; (N) Val=0.42, Plg=31, Azm=278; (P) Val=-2.18, Plg=50, Azm=54; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=221, Dip=35, Slip=-152; NP2: Strike=108, Dip=74, Slip=-58.
01	06	58	24.0	12.330	S	14.854	W	10 G	5.4	4.8	1.0	123	SOUTHERN MID-ATLANTIC RIDGE. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:58:30.4; Lat 12.26 S; Lon 14.51 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.87, Plg=27, Azm=262; (N) Val=-2.13, Plg=24, Azm=5; (P) Val=-6.74, Plg=53, Azm=130; Best double couple: Mo=7.8*10**16 Nm; NP1: Strike=309, Dip=28, Slip=-149; NP2: Strike=191, Dip=76, Slip=-65.
01	07	22	41.8	43.358	N	17.631	E	10 G	4.5		1.3	209	NORTHWESTERN BALKAN REGION. ML 4.4 (ROM), 4.1 (VIE). Minor damage in the Mostar area. Also felt in other parts of Bosnia and Herzegovina.
01	07	32	35.5&	37.100	N	4.070	W	4				5	SPAIN. <MDD>. mbLg 1.5 (MDD).
01	07	44	35.5&	54.880	N	161.117	W	31				29	ALASKA PENINSULA. <AEIC>. ML 4.1 (AEIC).
01	07	57	45.2&	59.972	N	152.389	W	73				95	SOUTHERN ALASKA. <AEIC>.
01	08	02	10.2	44.659	N	114.005	W	5 G			0.9	25	WESTERN IDAHO. ML 2.8 (GS), 3.1 (BUT). Felt in the Pahsimeroi area.
01	08	12	28.6&	36.510	N	3.170	W	0 G				6	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.1 (MDD).
01	09	07	12.3*	55.161	N	165.555	E	33 N	4.1		0.8	18	KOMANDORSKY ISLANDS REGION
01	09	28	54.5&	18.010	N	68.260	W	61				8	MONA PASSAGE. <MPR>. MD 3.6 (MPR).
01	10	02	50.8*	44.657	N	16.043	E	33 N			1.3	20	NORTHWESTERN BALKAN REGION. ML 3.3 (LDG).
01	11	24	02.3?	5.12	S	102.88	E	33 N	4.5		0.8	11	SOUTHERN SUMATERA, INDONESIA
01	11	51	06.5&	59.456	N	152.414	W	90				71	SOUTHERN ALASKA. <AEIC>.
01	11	58	34.6	44.549	N	10.202	E	10 G			1.1	17	NORTHERN ITALY. ML 2.5 (LDG).
01	12	07	26.3*	22.520	N	121.484	E	33 N	4.1		1.0	5	TAIWAN REGION
01	12	31	20.3*	6.766	S	12.610	W	10 G	4.9	4.7	1.3	37	ASCENSION ISLAND REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time

													12:31:27.0; Lat 6.94 S; Lon 12.73 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=0.97, Plg=2, Azm=124; (N) Val=0.24, Plg=61, Azm=218; (P) Val=-1.20, Plg=29, Azm=33; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=172, Dip=68, Slip=-160; NP2: Strike=75, Dip=72, Slip=-23.
01	12	33	14.9&	59.936	N	152.395	W	12				62	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
01	12	55	12.5	7.548	S	158.083	E	33	N	4.7	1.0	28	SOLOMON ISLANDS
01	13	58	35.4&	16.863	N	99.481	W	27				20	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
01	14	12	00.3*	37.514	N	102.343	E	33	N	3.8	1.4	9	GANSU, CHINA. ML 3.9 (BJI).
01	15	12	30.6	23.592	N	94.521	E	100	G	4.3	0.8	39	MYANMAR-INDIA BORDER REGION
01	15	40	28.4*	26.150	S	71.043	E	10	G	4.8	1.0	20	MID-INDIAN RIDGE
01	16	02	48.9*	55.425	N	162.314	E	33	N		1.1	7	NEAR EAST COAST OF KAMCHATKA
01	16	38	08.6&	8.453	N	82.875	W	8				4	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.1 (UPA).
01	16	55	24.5?	19.51	S	169.80	E	300	G	3.9	1.3	14	VANUATU ISLANDS
01	17	00	26.3&	54.302	N	162.541	W	0		2.8		12	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
01	17	29	25.0	36.438	N	70.673	E	200	G	4.6	0.9	22	HINDU KUSH REGION, AFGHANISTAN
01	17	59	38.4&	54.454	N	161.693	W	1				22	ALASKA PENINSULA. <AEIC>. ML 3.5 (AEIC).
01	18	08	02.1&	35.593	S	72.323	W	16				9	NEAR COAST OF CENTRAL CHILE. <GUC>.
01	18	24	54.8&	43.120	N	6.580	W	0	G			8	SPAIN. <MDD>. mbLg 3.0 (MDD).
01	18	48	40.4*	43.325	N	12.588	E	10	G		1.1	16	CENTRAL ITALY. ML 3.0 (LDG).
01	19	14	29.8*	4.647	S	144.579	E	109	*	4.1	1.3	13	NEAR N COAST OF NEW GUINEA, PNG.
01	19	23	53.1?	40.61	N	139.96	E	86	?	3.4	0.6	7	NEAR WEST COAST OF HONSHU, JAPAN
01	19	48	43.4*	14.967	S	167.318	E	33	N	4.2	1.0	27	VANUATU ISLANDS
01	20	13	44.3?	2.60	S	138.71	E	33	N	4.3	0.7	7	IRIAN JAYA, INDONESIA
01	20	48	55.7&	16.153	N	98.607	W	2		4.3		44	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.6 (UNM).
01	20	51	29.1*	40.326	N	142.342	E	33	N	4.6	1.4	14	NEAR EAST COAST OF HONSHU, JAPAN
01	21	04	19.4&	9.010	N	79.418	W	4				5	PANAMA. <UPA>. MD 2.1 (UPA).
01	21	07	46.1&	15.982	N	98.610	W	33	N	4.0		25	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 4.4 (UNM).
01	21	30	41.8?	34.96	N	23.89	E	33	N		1.1	11	CRETE
01	21	49	14.8?	45.79	N	26.75	E	150	G		0.7	5	ROMANIA
02	00	27	13.7&	16.144	N	98.610	W	21				9	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
02	00	28	02.0*	7.713	S	158.309	E	33	N	4.2	0.9	15	SOLOMON ISLANDS
02	00	31	49.5&	16.014	N	98.576	W	32				10	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
02	00	37	11.6&	16.059	N	98.592	W	5				9	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
02	01	01	31.5&	44.284	N	7.672	E	8				33	NORTHERN ITALY. <GEN>. ML 2.6 (GEN), 2.5 (LDG), 2.5 (STR).
02	01	31	05.2	50.120	N	7.071	E	19			1.2	21	GERMANY. ML 2.7 (LDG), 2.6 (STR), 2.3 (DBN), 2.3 (UCC).
02	01	51	18.6&	27.870	N	15.000	W	16				4	CANARY ISLANDS REGION. <MDD>. mbLg 3.3 (MDD).
02	01	58	19.3*	43.225	N	12.976	E	10	G		1.0	20	CENTRAL ITALY. ML 3.2 (LDG).
02	02	35	05.6*	3.724	S	80.899	W	33	N	3.7	0.7	14	PERU-ECUADOR BORDER REGION
02	02	51	41.9	11.987	N	86.748	W	33	N	4.6	1.1	36	NEAR COAST OF NICARAGUA
02	03	25	44.3?	43.63	N	151.10	E	33	N	3.4	1.2	9	EAST OF KURIL ISLANDS
02	03	27	51.4&	34.241	N	118.677	W	13				34	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
02	03	28	17.0&	28.637	S	71.374	W	60				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
02	03	38	32.1	27.931	N	130.086	E	27	D	5.2	1.0	101	RYUKYU ISLANDS. Felt (II JMA) on Kikai-shima and (I JMA) on Amami O-shima.
02	04	01	33.0&	16.934	N	99.570	W	20				5	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.7 (UNM).
02	04	17	58.0&	34.301	S	70.808	W	95				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
02	04	29	56.4&	47.100	N	3.100	W	10				6	FRANCE. <LDG>. ML 2.2 (LDG).
02	05	13	31.6?	36.47	N	70.80	E	236	?	3.0	1.1	7	HINDU KUSH REGION, AFGHANISTAN
02	05	32	37.1&	36.880	N	2.990	W	10				9	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.7 (MDD).
02	06	22	02.6*	51.857	N	159.985	E	33	N	3.7	0.7	13	OFF EAST COAST OF KAMCHATKA
02	06	25	41.0	39.157	N	19.555	E	10			1.2	17	GREECE-ALBANIA BORDER REGION. ML 3.7 (ROM).
02	06	26	51.3*	4.014	S	49.480	W	33	N		1.5	7	BRAZIL
02	06	28	44.2?	4.51	S	144.04	E	155	?	4.0	1.1	9	NEAR N COAST OF NEW GUINEA, PNG.
02	06	35	22.7*	27.812	S	176.527	W	33	N	4.6	1.1	13	KERMADEC ISLANDS REGION
02	07	21	16.4&	31.762	S	70.229	W	156				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
02	07	29	26.6&	33.149	S	70.111	W	9				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.3 (GUC).
02	07	57	16.4?	5.42	S	148.00	E	33	N	3.0	0.9	6	EASTERN NEW GUINEA REG., P.N.G.
02	08	22	38.7*	14.820	S	167.244	E	91	?	4.4	1.1	36	VANUATU ISLANDS
02	08	37	28.3?	37.55	N	71.74	E	100	G	3.1	1.2	6	AFGHANISTAN-TAJIKISTAN BORD REG.
02	08	45	26.9?	1.01	N	126.58	E	33	N	4.2	0.9	11	NORTHERN MOLUCCA SEA
02	09	59	57.7*	41.100	N	78.004	E	33	N		0.7	8	KYRGYZSTAN-XINJIANG BORDER REG.
02	10	11	28.8	30.599	S	72.103	W	33	N	4.6	4.5 1.0	44	OFF COAST OF CENTRAL CHILE
02	11	11	24.5	43.333	N	147.258	E	68	D	4.8	0.8	127	KURIL ISLANDS. Felt (II) at Yuzhno-Kurilsk.
02	11	58	16.2	29.890	N	130.548	E	61	D	4.7	1.0	69	RYUKYU ISLANDS. Felt (I JMA) in Kagoshima Prefecture.
02	12	03	37.6&	8.623	N	82.731	W	8				5	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.1 (UPA).
02	12	17	38.7*	26.330	S	178.534	W	300	G	4.1	1.2	23	SOUTH OF FIJI ISLANDS
02	12	44	52.3*	2.293	S	134.045	E	33	N	3.9	1.0	15	IRIAN JAYA REGION, INDONESIA
02	12	52	35.9?	7.70	N	71.84	W	33	N	4.0	0.6	6	VENEZUELA
02	13	31	25.6?	4.63	S	128.89	E	33	N	4.6	1.5	9	BANDA SEA
02	13	44	47.9	27.517	S	70.809	W	100	G		0.7	13	NEAR COAST OF NORTHERN CHILE. Felt (IV) at Copiapo; (III) at Caldera, Los Loros and Tierra Amarilla; (II) at Diego de Almagro and Inca de Oro.
02	13	54	25.9?	23.40	S	174.67	W	33	N	3.9	1.4	12	TONGA ISLANDS REGION
02	14	20	44.9&	44.285	N	7.662	E	10				8	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
02	15	23	37.0?	11.59	N	140.82	E	33	N	3.6	1.3	7	WESTERN CAROLINE ISLANDS
02	15	43	33.2*	30.658	S	72.000	W	33	N		0.9	17	OFF COAST OF CENTRAL CHILE. MD 4.5 (GUC).
02	15	44	28.7&	7.112	N	80.124	W	5				7	PANAMA. <UPA>. MD 3.9 (UPA).
02	17	05	14.1*	2.387	N	127.116	E	33	N	4.4	0.9	14	NORTHERN MOLUCCA SEA
02	17	42	59.9?	54.36	N	34.87	W	10	G	3.9	0.9	8	NORTH ATLANTIC OCEAN
02	17	50	12.2	26.924	N	67.208	E	33	N	4.6	4.2 1.1	48	PAKISTAN
02	18	08	53.6*	17.131	S	64.910	W	33	N	3.8	1.1	7	CENTRAL BOLIVIA
02	18	23	41.4&	17.429	N	94.641	W	152				7	CHIAPAS, MEXICO. <UNM>. MD 4.1 (UNM).
02	18	24	29.8*	54.237	N	35.316	W	33	N	3.9	1.0	14	NORTH ATLANTIC OCEAN
02	18	25	33.1*	22.867	S	175.234	W	33	N	4.6	1.0	30	TONGA ISLANDS REGION
02	19	15	32.8&	38.794	N	122.777	W	2				8	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
02	20	05	36.9&	44.275	N	7.664	E	9				17	NORTHERN ITALY. <GEN>. ML 2.0 (LDG), 1.9 (GEN), 1.5 (STR).
02	20	30	25.4	1.664	N	99.640	E	170		4.5	0.7	20	NORTHERN SUMATERA, INDONESIA. MD 4.4 (DJA).
02	20	53	59.1	5.710	S	145.379	E	111		3.4	0.8	12	EASTERN NEW GUINEA REG., P.N.G.
02	21	37	45.4	10.288	N	62.329	W	10	G	4.3	1.3	30	NEAR COAST OF VENEZUELA. MD 4.4 (TRN).
02	21	46	52.4&	41.300	S	173.607	E	100	G		0.3	8	SOUTH ISLAND, NEW ZEALAND
02	22	39	26.4*	44.282	N	128.560	W	10	G	2.9	1.1	7	OFF COAST OF OREGON

02	22	59	59.4*	9.582	N	57.739	E	10	G	4.7	0.9	13	CARLSBERG RIDGE
02	23	32	14.1&	37.633	N	118.922	W	8				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.8 (GS).
02	23	36	05.8&	37.636	N	118.918	W	8				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.8 (GS).
03	00	05	04.0&	37.638	N	118.920	W	8				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
03	00	11	44.8?	31.16	N	67.56	E	33	N	3.7	1.4	6	AFGHANISTAN
03	00	19	17.9*	42.630	N	143.956	E	63	D	4.0	1.1	12	HOKKAIDO, JAPAN REGION
03	00	52	29.8&	36.020	N	4.850	W	62				20	STRAIT OF GIBRALTAR. <MDD>.
03	01	32	09.1&	44.396	N	8.184	E	18				5	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
03	02	02	58.0&	60.234	N	153.089	W	134				26	SOUTHERN ALASKA. <AEIC>.
03	02	06	39.5	25.690	S	70.669	W	33	N	4.5	0.9	17	NEAR COAST OF NORTHERN CHILE
03	02	14	43.1&	33.895	S	72.829	W	32				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
03	02	24	43.8	14.380	N	91.466	W	63	D	5.5 5.4	0.9	434	GUATEMALA. Mw 6.1 (GS), 6.1 (HRV). Landslides blocked some highways and electrical cables were damaged in the Nahuala, Santa Maria de Jesus and Zunil areas. Felt strongly at Quezaltenango, San Marcos and Solola. Also felt at Mazatenango and Guatemala City. Moment Tensor (GS): Dep 59; Principal axes (scale 10**18 Nm): (T) Val=1.63, Plg=34, Azm=67; (N) Val=0.00, Plg=27, Azm=316; (P) Val=-1.63, Plg=44, Azm=197; Best double couple: Mo=1.6*10**18 Nm; NP1: Strike=214, Dip=27, Slip=-11; NP2: Strike=314, Dip=85, Slip=-117. Centroid, Moment Tensor (HRV): Centroid origin time 02:24:46.2; Lat 14.23 N; Lon 91.91 W; Dep 43.8; Half-duration 2.7 sec; Principal axes (scale 10**18 Nm): (T) Val=1.54, Plg=31, Azm=54; (N) Val=-0.06, Plg=15, Azm=315; (P) Val=-1.48, Plg=55, Azm=202; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=183, Dip=20, Slip=-40; NP2: Strike=311, Dip=77, Slip=-105. Scalar Moment (PPT): Mo=1.4*10**18 Nm.
03	03	16	27.6*	14.173	N	91.822	W	71	*	4.2	1.5	15	GUATEMALA. MD 4.5 (UNM).
03	03	19	20.2*	36.495	S	104.488	W	10	G	4.5	1.1	30	SOUTHERN PACIFIC OCEAN
03	03	19	38.3*	14.411	N	91.074	W	33	N		0.5	6	GUATEMALA
03	03	58	07.2*	14.362	N	91.566	W	68	D	4.2	1.3	19	GUATEMALA. MD 4.6 (UNM).
03	04	17	17.9	14.325	N	91.626	W	67	D	5.0 4.4	1.0	125	GUATEMALA. Mw 5.4 (HRV). MD 4.9 (UNM). Centroid, Moment Tensor (HRV): Centroid origin time 04:17:18.3; Lat 13.81 N; Lon 91.73 W; Dep 88.7; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.37, Plg=19, Azm=24; (N) Val=0.17, Plg=23, Azm=286; (P) Val=-1.54, Plg=60, Azm=150; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=146, Dip=33, Slip=-45; NP2: Strike=276, Dip=67, Slip=-115.
03	04	19	02.1&	49.168	N	118.351	W	5	G			59	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 3.6 (PGC). MD 3.8 (SEA). Felt at Castlegar, Grand Forks, Kelowna, Penticton and Trail. Also felt at Colville, Washington.
03	04	37	31.3*	21.414	N	143.663	E	300	G	4.1	0.8	13	MARIANA ISLANDS REGION
03	05	08	45.4&	44.283	N	7.666	E	9				6	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
03	05	21	40.7&	15.627	N	96.083	W	5				5	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.0 (UNM).
03	05	40	24.6	36.207	N	22.180	E	10	G	3.9	1.1	46	SOUTHERN GREECE
03	05	41	18.0&	31.192	S	71.620	W	26				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
03	05	46	56.9&	59.984	N	153.622	W	141				51	SOUTHERN ALASKA. <AEIC>.
03	05	58	47.6*	45.935	N	143.260	E	330	*	4.1	1.3	29	HOKKAIDO, JAPAN REGION
03	06	05	05.0*	19.283	S	69.700	W	126	?	3.4	0.6	6	NORTHERN CHILE
03	06	57	30.9	32.796	N	104.346	E	33	N	4.7	1.1	36	SICHUAN, CHINA. ML 4.9 (BJI).
03	07	38	22.1	15.969	N	96.134	W	33	N	5.0 4.5	1.0	164	NEAR COAST OF OAXACA, MEXICO. Mw 5.2 (HRV). MD 5.0 (UNM). Felt at Mexico City. Centroid, Moment Tensor (HRV): Centroid origin time 07:38:29.1; Lat 16.26 N; Lon 96.12 W; Dep 44.2; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.44, Plg=42, Azm=277; (N) Val=1.25, Plg=46, Azm=76; (P) Val=-8.68, Plg=11, Azm=177; Best double couple: Mo=8.1*10**16 Nm; NP1: Strike=308, Dip=53, Slip=155; NP2: Strike=54, Dip=70, Slip=40.
03	07	43	24.3&	35.523	S	71.491	W	121				11	CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
03	07	48	30.2	51.658	N	16.164	E	5	G	3.4	0.6	19	POLAND. ML 3.9 (GRF), 3.6 (VIE), 3.4 (WAR).
03	08	21	09.1?	37.13	N	32.21	E	10	G	3.5	1.4	7	TURKEY
03	08	34	28.6	51.080	N	15.807	E	5	G		0.4	7	POLAND. ML 3.2 (VIE), 2.9 (WAR).
03	08	42	20.9&	7.702	N	82.421	W	0				8	SOUTH OF PANAMA. <UPA>. MD 4.0 (UPA).
03	08	48	39.8*	15.741	N	96.428	W	33	N		1.2	21	NEAR COAST OF OAXACA, MEXICO. MD 4.5 (UNM).
03	08	58	52.8	11.318	S	165.771	E	33	N	4.5 4.5	1.1	50	SANTA CRUZ ISLANDS
03	09	28	28.6*	6.313	S	13.199	W	10	G	4.4	1.4	16	ASCENSION ISLAND REGION
03	09	32	07.5*	23.517	N	125.170	E	33	N	3.4	1.1	7	SOUTHWESTERN RYUKYU ISLANDS
03	09	40	57.4&	36.250	N	8.180	W	24				18	WEST OF GIBRALTAR. <MDD>. mbLg 3.3 (MDD).
03	10	03	29.8?	2.90	S	150.50	E	33	N	4.6	1.6	8	NEW IRELAND REGION, P.N.G.
03	10	11	19.8&	19.390	N	63.990	W	80				7	LEEWARD ISLANDS. <MPR>. MD 3.7 (MPR).
03	10	52	09.9*	4.947	S	153.051	E	33	N	3.8	1.0	8	NEW IRELAND REGION, P.N.G.
03	11	03	25.5*	22.250	S	171.650	E	129	?	4.5	1.2	26	LOYALTY ISLANDS REGION
03	11	16	15.6*	4.450	S	138.175	E	33	N	3.8	1.4	10	IRIAN JAYA, INDONESIA
03	11	22	48.7&	18.480	N	66.170	W	122				8	PUERTO RICO REGION. <MPR>. MD 3.2 (MPR).
03	11	53	46.2*	18.833	N	67.808	W	33	N	3.4	0.4	11	MONA PASSAGE. MD 3.8 (MPR).
03	12	16	43.0*	51.453	N	6.557	E	5	G		0.8	5	GERMANY. ML 3.0 (LDG), 2.8 (STR), 2.7 (DBN), 2.6 (UCC).
03	12	34	37.1&	62.911	N	149.708	W	101				31	CENTRAL ALASKA. <AEIC>.
03	12	39	14.4&	14.112	N	92.152	W	17				5	NEAR COAST OF CHIAPAS, MEXICO. <UNM>. MD 4.4 (UNM).
03	13	52	35.1&	45.700	N	5.900	E	2				52	FRANCE. <LDG>. ML 3.3 (STR), 3.2 (LDG).
03	14	48	31.5*	54.380	N	159.305	E	150	G	3.8	1.3	10	NEAR EAST COAST OF KAMCHATKA
03	15	39	23.8	44.042	N	12.253	E	10	G		1.2	73	NORTHERN ITALY. ML 4.0 (STR), 3.8 (GRF), 3.7 (VIE), 3.5 (LDG).
03	16	18	07.8*	13.330	S	75.234	W	66	D		1.0	9	CENTRAL PERU
03	16	44	02.9&	30.895	S	71.657	W	53				17	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
03	17	18	31.1*	6.768	N	73.063	W	168	*	4.1	1.0	29	NORTHERN COLOMBIA
03	17	19	58.0&	47.539	N	121.396	W	5				32	WASHINGTON. <SEA-P>. MD 2.7 (SEA).
03	17	25	48.8	3.632	N	126.878	E	61	*	5.0 4.8	1.1	77	TALAUD ISLANDS, INDONESIA. Mw 5.2 (HRV).

													Centroid, Moment Tensor (HRV): Centroid origin time 17:25:48.4; Lat 3.90 N; Lon 126.97 E; Dep 27.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.58, Plg=24, Azm=210; (N) Val=1.47, Plg=65, Azm=14; (P) Val=-7.05, Plg=6, Azm=117; Best double couple: Mo=6.3*10**16 Nm; NP1: Strike=251, Dip=69, Slip=166; NP2: Strike=346, Dip=77, Slip=22.
03	17	36	55.8?	22.80	S	175.34	W	33	N	4.1	1.4	11	TONGA ISLANDS REGION
03	17	46	49.0*	5.401	S	150.892	E	124	*	4.0	0.7	9	NEW BRITAIN REGION, P.N.G.
03	17	58	11.6*	51.804	N	176.824	E	33	N	4.1	0.8	12	RAT ISLANDS, ALEUTIAN ISLANDS
03	18	56	24.1	23.745	S	66.638	W	208		4.8	1.1	76	JUJUY PROVINCE, ARGENTINA
03	19	06	44.4*	54.137	N	170.613	E	33	N	3.8	0.8	9	NEAR ISLANDS, ALEUTIAN ISLANDS
03	19	17	23.3&	16.652	N	98.661	W	57				6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.8 (UNM).
03	19	20	31.0?	13.41	N	144.02	E	33	N	4.0	0.9	6	MARIANA ISLANDS
03	19	36	51.9?	3.69	N	126.76	E	33	N	4.2	0.6	8	TALAUD ISLANDS, INDONESIA
03	19	58	26.6*	3.689	N	126.941	E	33	N	4.4	0.7	19	TALAUD ISLANDS, INDONESIA
03	20	16	41.2&	44.272	N	7.674	E	10				5	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
03	20	22	06.8&	44.292	N	7.667	E	7				22	NORTHERN ITALY. <GEN>. ML 2.4 (GEN), 2.3 (LDG), 1.8 (STR).
03	20	59	35.7&	34.419	N	116.478	W	3				25	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.9 (GS).
03	21	02	10.0*	34.944	N	135.288	E	49	*	3.6	0.5	8	NEAR S. COAST OF WESTERN HONSHU
03	21	34	17.4?	13.91	N	91.55	W	62	?		1.1	9	NEAR COAST OF GUATEMALA
03	21	52	43.0	6.936	S	129.994	E	95	*	4.5	1.1	25	BANDA SEA
03	22	45	32.0*	11.500	S	165.952	E	33	N	4.2	1.1	16	SANTA CRUZ ISLANDS
03	22	48	33.3&	42.760	N	7.230	W	9				9	SPAIN. <MDD>. mbLg 2.7 (MDD). Felt (III) at Becerrea.
03	23	06	11.1&	49.147	N	118.325	W	5	G			26	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 2.7 (PGC). MD 3.2 (SEA). Felt at Grand Forks.
03	23	15	07.0&	42.760	N	7.220	W	0	G			9	SPAIN. <MDD>. mbLg 2.5 (MDD).
03	23	17	18.2	5.754	S	151.019	E	90		4.7	0.8	32	NEW BRITAIN REGION, P.N.G.
03	23	30	28.9	6.629	S	154.946	E	106	*	4.6	0.9	41	SOLOMON ISLANDS
04	01	02	25.7&	44.455	N	8.523	E	8				10	NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
04	01	50	08.0&	59.947	N	152.119	W	62				64	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
04	02	01	32.4&	46.000	N	3.000	E	17				7	FRANCE. <LDG>. ML 1.9 (LDG).
04	02	11	42.8?	33.37	N	39.47	W	10	G	4.5	0.5	11	NORTHERN MID-ATLANTIC RIDGE
04	02	22	06.2&	36.990	N	3.710	W	1				4	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.4 (MDD).
04	03	09	27.2	54.738	N	162.488	E	33	N	4.3	0.9	23	NEAR EAST COAST OF KAMCHATKA
04	03	40	05.0&	49.150	N	6.870	E	1	G			17	GERMANY. <FBB>. ML 3.1 (GRF), 2.8 (UCC), 2.6 (DBN), 2.6 (FBB). Mining induced event in the Lorraine region, France.
04	04	00	35.9&	16.800	N	99.729	W	13				16	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
04	06	01	00.8&	36.844	N	121.573	W	6				13	CENTRAL CALIFORNIA. <GM-P>. ML 2.8 (GM), 3.0 (BRK).
04	06	01	37.4&	36.835	N	121.596	W	6				11	CENTRAL CALIFORNIA. <GM-P>. ML 3.0 (GM), 3.1 (BRK).
04	06	22	47.6*	6.899	N	73.387	W	100	G	4.4	0.7	11	NORTHERN COLOMBIA
04	07	02	45.1*	37.143	N	20.994	E	10	G	3.9	1.1	20	IONIAN SEA
04	07	30	45.2&	33.992	S	71.354	W	46				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
04	08	33	00.0*	21.840	N	145.702	E	33	N	3.5	0.7	10	MARIANA ISLANDS REGION
04	08	41	28.5&	34.262	S	70.011	W	6				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.9 (GUC).
04	09	24	23.8&	17.326	N	95.021	W	115				11	OAXACA, MEXICO. <UNM>. MD 4.3 (UNM).
04	09	39	44.6&	57.515	N	156.314	W	87		2.7		74	ALASKA PENINSULA. <AEIC>.
04	09	54	05.6?	21.72	N	145.37	E	33	N	3.5	0.6	7	MARIANA ISLANDS REGION
04	10	07	38.3*	21.699	N	145.533	E	33	N	3.9	1.1	11	MARIANA ISLANDS REGION
04	10	53	14.4&	44.300	N	7.500	E	2				7	NORTHERN ITALY. <LDG>. ML 2.2 (LDG).
04	11	39	24.9	62.125	N	149.814	W	55		4.1	1.0	45	CENTRAL ALASKA. ML 4.4 (PMR), 4.3 (AEIC). Felt (III) at Palmer and (II) at Anchorage.
04	11	44	01.3&	36.938	N	121.685	W	12				12	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).
04	12	47	51.5&	36.939	N	121.686	W	13				14	CENTRAL CALIFORNIA. <GM-P>. ML 3.0 (GM), 3.1 (BRK).
04	13	08	22.0&	37.590	N	8.360	W	24				16	PORTUGAL. <MDD>. mbLg 3.2 (MDD).
04	13	33	54.9	11.295	S	165.860	E	33	N	4.7 5.0	1.1	37	SANTA CRUZ ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:34:00.0; Lat 11.30 S; Lon 165.57 E; Dep 18.0; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.20, Plg=64, Azm=29; (N) Val=-0.28, Plg=12, Azm=144; (P) Val=-1.92, Plg=23, Azm=240; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=352, Dip=25, Slip=120; NP2: Strike=140, Dip=69, Slip=77.
04	13	52	32.3	53.204	N	159.887	E	48	D	5.3 5.0	0.9	308	NEAR EAST COAST OF KAMCHATKA. Mw 5.3 (HRV). Felt (III) at Petropavlovsk-Kamchatskiy. Centroid, Moment Tensor (HRV): Centroid origin time 13:52:34.9; Lat 52.59 N; Lon 160.44 E; Dep 50.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.80, Plg=77, Azm=174; (N) Val=-0.66, Plg=12, Azm=7; (P) Val=-8.14, Plg=3, Azm=276; Best double couple: Mo=8.5*10**16 Nm; NP1: Strike=353, Dip=44, Slip=72; NP2: Strike=198, Dip=49, Slip=107.
04	14	42	33.0*	14.358	N	91.380	W	33	N	4.4	1.1	12	GUATEMALA. MD 4.6 (UNM).
04	14	46	34.6*	18.091	S	167.687	E	33	N	4.2	1.5	18	VANUATU ISLANDS
04	15	01	00.6	42.886	N	145.493	E	33	N	3.9	1.1	21	HOKKAIDO, JAPAN REGION. Felt (I JMA) in eastern Hokkaido.
04	15	16	15.3&	44.600	N	7.400	E	2				5	NORTHERN ITALY. <LDG>. ML 2.1 (LDG).
04	16	58	57.7&	33.992	S	70.387	W	119				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
04	17	26	47.3	17.531	S	69.445	W	132	D	5.2	0.9	168	PERU-BOLIVIA BORDER REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:26:55.9; Lat 17.42 S; Lon 69.86 W; Dep 142.3; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.06, Plg=42, Azm=77; (N) Val=-0.12, Plg=31, Azm=315; (P) Val=-0.94, Plg=33, Azm=203; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=237, Dip=31, Slip=10; NP2: Strike=138, Dip=85, Slip=121.
04	17	35	46.6*	51.415	N	178.531	E	80	*	4.1	0.5	10	RAT ISLANDS, ALEUTIAN ISLANDS
04	19	22	06.3	17.852	S	178.707	W	600	G	4.6	0.9	53	FIJI ISLANDS REGION
04	20	02	01.3&	46.300	N	7.600	E	2				17	SWITZERLAND. <LDG>. ML 2.3 (LDG), 2.3 (STR).
04	20	40	04.0&	60.567	N	142.290	W	0				25	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 2.9 (PMR).
04	20	53	45.9?	27.00	S	177.04	W	33	N	4.6	1.0	10	KERMADEC ISLANDS REGION
04	20	56	23.1&	34.399	S	72.279	W	41				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
04	22	12	20.2?	51.40	N	178.65	E	72	*	3.8	0.7	8	RAT ISLANDS, ALEUTIAN ISLANDS
04	23	15	44.4*	10.711	N	126.206	E	33	N	4.3	1.4	14	PHILIPPINE ISLANDS REGION

04	23	48	16.2	23.997	S	175.326	W	33	N	4.8	4.3	0.9	58	TONGA ISLANDS REGION
05	00	31	47.9&	40.363	N	28.326	E	7					7	TURKEY. <ISK>. MD 2.9 (ISK).
05	00	41	51.0?	10.64	N	126.40	E	33	N			1.1	7	PHILIPPINE ISLANDS REGION
05	01	16	30.0?	55.10	S	128.51	W	10	G	5.1	4.4	1.4	9	PACIFIC-ANTARCTIC RIDGE. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:16:36.3; Lat 55.69 S; Lon 128.78 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.45, Plg=0, Azm=148; (N) Val=0.19, Plg=90, Azm=180; (P) Val=-3.64, Plg=0, Azm=58; Best double couple: Mo=3.5*10**16 Nm; NP1: Strike=193, Dip=90, Slip=-180; NP2: Strike=283, Dip=90, Slip=0.
05	01	22	49.3&	39.555	N	27.219	E	5					13	TURKEY. <ISK>. MD 3.5 (ISK).
05	01	24	58.1&	39.581	N	27.185	E	6					6	TURKEY. <ISK>. MD 3.0 (ISK).
05	01	30	44.1&	33.624	S	70.033	W	4					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
05	01	45	08.4	39.544	N	27.375	E	10	G	4.5		1.5	131	TURKEY. ML 4.5 (THE). MD 4.4 (ISK). Felt in Balikesir, Canakkale, Istanbul and Izmir.
05	01	49	18.2&	39.559	N	27.239	E	5					8	TURKEY. <ISK>. MD 3.1 (ISK).
05	01	50	28.5&	39.552	N	27.245	E	7					8	TURKEY. <ISK>. MD 3.2 (ISK).
05	01	54	22.1&	39.595	N	27.143	E	6					4	TURKEY. <ISK>. MD 2.7 (ISK).
05	01	55	31.3	39.626	N	27.679	E	10	G	4.4		1.2	95	TURKEY. MD 4.3 (ISK). Felt in Balikesir, Canakkale, Istanbul and Izmir.
05	01	58	39.4&	39.601	N	27.127	E	10	G				5	TURKEY. <ISK>. MD 3.2 (ISK).
05	02	05	48.5&	39.726	N	26.979	E	10	G				5	TURKEY. <ISK>. MD 2.8 (ISK).
05	02	29	02.1&	39.594	N	27.237	E	10	G				7	TURKEY. <ISK>. MD 2.9 (ISK).
05	02	58	29.0&	39.587	N	27.235	E	5					6	TURKEY. <ISK>. MD 2.9 (ISK).
05	02	59	43.3	0.814	N	17.418	E	10	G	5.4	4.4	0.9	249	CONGO. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:59:52.1; Lat 1.38 N; Lon 17.04 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.62, Plg=78, Azm=221; (N) Val=0.24, Plg=3, Azm=326; (P) Val=-4.85, Plg=12, Azm=56; Best double couple: Mo=4.7*10**16 Nm; NP1: Strike=151, Dip=33, Slip=96; NP2: Strike=324, Dip=57, Slip=86.
05	03	11	37.0&	39.585	N	27.176	E	11					6	TURKEY. <ISK>. MD 2.8 (ISK).
05	04	12	53.0	16.072	N	98.284	W	10	G	5.3	4.5	1.1	159	NEAR COAST OF GUERRERO, MEXICO. Mw 5.3 (HRV). MD 4.9 (UNM). Felt in parts of Guerrero and Oaxaca. Also felt at Mexico City. Centroid, Moment Tensor (HRV): Centroid origin time 04:12:54.7; Lat 15.88 N; Lon 97.72 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.40, Plg=61, Azm=14; (N) Val=0.99, Plg=3, Azm=279; (P) Val=-9.38, Plg=29, Azm=187; Best double couple: Mo=8.9*10**16 Nm; NP1: Strike=269, Dip=16, Slip=79; NP2: Strike=100, Dip=74, Slip=93.
05	05	23	01.0&	34.215	S	70.088	W	3					8	CHILE-ARGENTINA BORDER REGION. <GUC>.
05	05	38	32.4&	34.481	S	72.202	W	14					10	NEAR COAST OF CENTRAL CHILE. <GUC>.
05	06	14	09.2&	34.214	S	70.085	W	2					9	CHILE-ARGENTINA BORDER REGION. <GUC>.
05	06	24	30.1&	34.240	S	70.099	W	8					8	CHILE-ARGENTINA BORDER REGION. <GUC>.
05	06	42	56.9&	34.061	S	70.079	W	7					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
05	06	45	30.8&	32.657	S	70.878	W	72					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
05	07	04	07.5&	32.184	S	70.624	W	89					14	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
05	07	08	30.2	20.010	N	63.151	W	33	N	5.0	4.2	0.8	167	NORTH ATLANTIC OCEAN. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:08:31.0; Lat 20.33 N; Lon 63.21 W; Dep 33.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.20, Plg=18, Azm=234; (N) Val=0.72, Plg=13, Azm=329; (P) Val=-4.92, Plg=67, Azm=93; Best double couple: Mo=4.6*10**16 Nm; NP1: Strike=304, Dip=29, Slip=-118; NP2: Strike=155, Dip=64, Slip=-75.
05	07	35	41.9	24.231	S	67.000	W	186		4.2		1.3	31	CHILE-ARGENTINA BORDER REGION
05	08	24	04.0&	38.341	N	28.587	E	5					4	TURKEY. <ISK>. MD 3.0 (ISK).
05	09	09	13.0&	36.440	N	8.090	W	0	G				15	WEST OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
05	09	09	54.6&	16.674	N	99.765	W	5					7	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.7 (UNM).
05	09	16	52.8&	16.659	N	99.866	W	3					6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.7 (UNM).
05	09	31	05.6?	6.93	S	146.99	E	84	D			1.7	6	EASTERN NEW GUINEA REG., P.N.G.
05	09	41	43.8?	41.41	S	173.35	E	100	G			0.5	7	SOUTH ISLAND, NEW ZEALAND
05	09	42	18.8&	16.847	N	99.690	W	9					6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.5 (UNM).
05	10	05	08.3&	31.865	S	69.930	W	147					13	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.3 (GUC).
05	10	14	39.1?	19.25	S	172.55	W	33	N			1.2	7	TONGA ISLANDS REGION
05	10	26	38.9?	7.82	S	129.52	E	33	N	4.2		0.3	5	BANDA SEA
05	10	38	29.3*	16.265	N	147.098	E	33	N	4.3		1.3	32	MARIANA ISLANDS REGION
05	11	12	01.8*	25.512	N	59.349	E	27	D	4.5		1.1	20	SOUTHERN IRAN
05	11	41	27.4	15.353	S	167.614	E	100	G	5.2		1.1	78	VANUATU ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:41:32.5; Lat 15.44 S; Lon 167.55 E; Dep 100.8; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.01, Plg=37, Azm=140; (N) Val=-0.29, Plg=29, Azm=255; (P) Val=-0.72, Plg=39, Azm=12; Best double couple: Mo=8.6*10**16 Nm; NP1: Strike=168, Dip=29, Slip=-178; NP2: Strike=76, Dip=89, Slip=-61.
05	11	57	19.2&	34.227	S	70.114	W	8					14	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
05	12	01	06.2*	11.310	S	165.743	E	33	N	3.9		1.1	10	SANTA CRUZ ISLANDS
05	12	47	34.0&	34.236	S	70.098	W	8					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
05	12	47	35.8?	17.54	S	178.79	W	500	G			1.0	11	FIJI ISLANDS REGION
05	13	08	37.8&	34.343	S	70.190	W	10					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
05	14	13	57.4&	16.070	N	98.517	W	10					12	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
05	14	45	05.1*	43.763	N	144.574	E	174	*			0.5	10	HOKKAIDO, JAPAN REGION
05	14	51	04.3&	16.859	N	100.252	W	9					22	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.3 (UNM).
05	16	22	12.3&	37.258	N	29.110	E	7					7	TURKEY. <ISK>. MD 3.3 (ISK).
05	17	01	06.7&	31.798	S	71.787	W	16					12	NEAR COAST OF CENTRAL CHILE. <GUC>.
05	17	19	11.9&	40.660	N	29.184	E	9					4	TURKEY. <ISK>. MD 2.4 (ISK).
05	17	27	00.6&	29.779	S	71.435	W	33	N				15	NEAR COAST OF CENTRAL CHILE. <GUC>.
05	18	55	49.7&	59.811	N	152.227	W	89					90	SOUTHERN ALASKA. <AEIC>.

05	19	47	50.1&	47.700	N	2.800	W	2				7	FRANCE. <LDG>. ML 2.2 (LDG).
05	20	04	20.1	20.529	N	104.277	W	33	N	4.6	4.2	1.0 111	JALISCO, MEXICO. MD 4.9 (UNM).
05	20	59	22.7?	5.78	N	77.53	W	33	N	3.7		1.5 9	NEAR WEST COAST OF COLOMBIA
05	22	01	31.8*	4.644	S	133.027	E	33	N	4.2		1.4 8	IRIAN JAYA REGION, INDONESIA
05	23	15	32.1*	3.245	S	142.966	E	33	N			0.9 8	NEAR N COAST OF NEW GUINEA, PNG.
05	23	20	12.1&	42.451	N	122.681	W	0				6	OREGON. <SEA-P>. MD 2.7 (SEA).
05	23	26	03.7?	15.22	S	173.44	W	33	N	4.1		0.4 10	TONGA ISLANDS
05	23	58	43.2	38.809	N	71.568	E	33	N	4.9	4.4	0.8 123	AFGHANISTAN-TAJIKISTAN BORD REG.
06	00	08	20.2	1.637	N	93.126	E	32	D	5.2	4.9	0.9 117	OFF W COAST OF NORTHERN SUMATERA. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:08:20.3; Lat 1.62 N; Lon 92.98 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.10, Plg=7, Azm=62; (N) Val=0.38, Plg=67, Azm=168; (P) Val=-2.48, Plg=22, Azm=329; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=108, Dip=70, Slip=-169; NP2: Strike=14, Dip=80, Slip=-20.
06	00	10	29.7&	39.557	N	27.214	E	5				8	TURKEY. <ISK>. MD 3.2 (ISK).
06	01	22	34.5&	45.200	N	6.500	E	2				10	FRANCE. <LDG>. ML 2.0 (LDG).
06	01	31	20.1*	40.947	N	142.127	E	90	*	4.5		0.9 35	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in southern Aomori and (I JMA) in northern Iwate Prefectures.
06	01	47	54.9*	46.361	N	15.108	E	10	G			1.3 5	NORTHWESTERN BALKAN REGION. ML 1.8 (VIE).
06	02	06	24.4?	39.00	N	71.46	E	33	N	3.4		1.5 5	TAJIKISTAN
06	02	53	28.9&	60.296	N	152.391	W	83				41	SOUTHERN ALASKA. <AEIC>.
06	03	02	45.9*	5.775	S	82.043	W	33	N	3.9		1.1 10	OFF COAST OF NORTHERN PERU
06	03	12	46.9*	46.114	N	143.428	E	344	*	4.0		1.1 14	SAKHALIN ISLAND
06	03	24	24.8?	20.70	N	146.50	E	100	G	3.5		1.5 9	MARIANA ISLANDS REGION
06	03	38	51.5*	26.604	N	129.480	E	10	G	3.5		1.3 9	RYUKYU ISLANDS
06	03	56	16.7	10.819	S	74.605	W	33	N	5.1		1.0 145	CENTRAL PERU. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:56:23.0; Lat 10.93 S; Lon 73.92 W; Dep 30.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.82, Plg=61, Azm=209; (N) Val=-0.63, Plg=4, Azm=307; (P) Val=-8.19, Plg=29, Azm=40; Best double couple: Mo=8.5*10**16 Nm; NP1: Strike=142, Dip=17, Slip=106; NP2: Strike=306, Dip=74, Slip=85.
06	03	57	11.8*	10.784	S	166.329	E	100	G	4.5		1.3 25	SANTA CRUZ ISLANDS
06	04	31	36.8*	25.641	S	179.536	E	550	G	4.3		0.9 16	SOUTH OF FIJI ISLANDS
06	04	37	29.4&	34.228	S	70.109	W	11				13	CHILE-ARGENTINA BORDER REGION. <GUC>.
06	05	17	53.9*	20.373	S	178.684	W	600	G	4.1		0.8 14	FIJI ISLANDS REGION
06	05	47	40.3&	36.067	N	117.638	W	2		5.0	4.9	133	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. Mw 5.2 (HRV), 5.1 (BRK). ML 5.2 (PAS). Felt at Fresno, Ivanhoe, Little Lake, Ridgecrest and Visalia, California. Also felt at Beatty, Nevada. Centroid, Moment Tensor (HRV): Centroid origin time 05:47:45.1; Lat 36.10 N; Lon 117.93 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.58, Plg=12, Azm=283; (N) Val=0.29, Plg=47, Azm=25; (P) Val=-7.87, Plg=40, Azm=183; Best double couple: Mo=7.7*10**16 Nm; NP1: Strike=331, Dip=53, Slip=-157; NP2: Strike=227, Dip=72, Slip=-39. Moment Tensor (BRK): Dep 8; Principal axes (scale 10**16 Nm): (T) Val=5.04, Plg=7, Azm=279; (N) Val=0.00, Plg=77, Azm=41; (P) Val=-5.04, Plg=11, Azm=188; Best double couple: Mo=5.0*10**16 Nm; NP1: Strike=233, Dip=87, Slip=-13; NP2: Strike=324, Dip=77, Slip=-177.
06	05	49	43.7&	36.061	N	117.630	W	1		4.4		16	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. Mw 4.8 (BRK). ML 4.9 (PAS). Moment Tensor (BRK): Dep 11; Principal axes (scale 10**16 Nm): (T) Val=1.54, Plg=4, Azm=292; (N) Val=0.00, Plg=82, Azm=53; (P) Val=-1.54, Plg=7, Azm=202; Best double couple: Mo=1.5*10**16 Nm; NP1: Strike=247, Dip=88, Slip=-8; NP2: Strike=337, Dip=82, Slip=-178.
06	05	54	21.7&	36.072	N	117.625	W	1				36	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. Mw 4.4 (BRK). ML 4.5 (PAS), 4.5 (GS). Moment Tensor (BRK): Dep 11; Principal axes (scale 10**15 Nm): (T) Val=5.20, Plg=20, Azm=299; (N) Val=0.00, Plg=69, Azm=93; (P) Val=-5.20, Plg=9, Azm=206; Best double couple: Mo=5.2*10**15 Nm; NP1: Strike=74, Dip=82, Slip=20; NP2: Strike=341, Dip=70, Slip=172.
06	06	02	22.3&	36.068	N	117.625	W	1				9	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (GS).
06	06	04	01.8&	36.067	N	117.623	W	1				7	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS), 3.1 (GS).
06	06	05	57.5&	36.081	N	117.647	W	0				12	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.5 (PAS).
06	06	07	52.0&	36.067	N	117.652	W	2				2	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.9 (PAS), 2.9 (GS).
06	06	14	13.0&	36.066	N	117.644	W	1				12	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
06	06	19	40.5*	55.276	N	163.209	E	77	?	3.5		1.2 11	OFF EAST COAST OF KAMCHATKA
06	06	22	54.7&	36.096	N	117.636	W	6				2	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS).
06	06	23	12.0&	36.055	N	117.643	W	2				6	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS), 3.1 (GS).
06	06	30	07.2&	36.072	N	117.623	W	1				7	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.7 (PAS), 2.8 (GS).
06	06	31	31.3&	36.079	N	117.639	W	1				13	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS).
06	06	43	52.2&	36.075	N	117.630	W	1				9	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS), 2.8 (GS).
06	06	48	39.7&	36.074	N	117.630	W	2				7	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS), 2.7 (GS).
06	07	04	33.8&	36.077	N	117.633	W	3				13	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.7 (PAS), 3.0 (GS).
06	07	30	15.3&	36.072	N	117.639	W	2				19	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.3 (PAS).
06	07	31	41.2*	54.455	N	161.080	E	100	G	4.3		0.8 15	NEAR EAST COAST OF KAMCHATKA
06	07	36	35.4&	36.062	N	117.647	W	2		4.1		48	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 4.4 (PAS).
06	07	41	30.3&	39.598	N	29.489	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).

06	07	43	06.7&	36.070	N	117.630	W	1				8	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.9 (PAS), 2.8 (GS).
06	08	17	33.8&	36.074	N	117.625	W	1				20	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
06	09	37	29.1	6.209	N	73.874	W	56		5.0	4.4 0.9	131	NORTHERN COLOMBIA. Felt in much of central and northern Colombia.
06	10	16	34.1&	40.586	N	29.123	E	5				6	TURKEY. <ISK>. MD 2.7 (ISK).
06	10	51	08.6	38.421	N	73.333	E	128	D	4.7	0.8	76	TAJIKISTAN-XINJIANG BORDER REG.
06	10	53	27.7&	36.079	N	117.620	W	1				20	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.7 (PAS), 3.8 (GS).
06	10	55	31.8&	36.077	N	117.628	W	2				15	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.6 (PAS), 3.6 (GS).
06	11	34	42.9&	36.063	N	117.633	W	0				8	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS).
06	12	20	21.1&	36.750	N	2.910	W	0	G			9	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.8 (MDD).
06	12	27	40.5&	40.660	N	29.140	E	5				6	TURKEY. <ISK>. MD 2.6 (ISK).
06	12	36	59.8*	3.891	S	141.352	E	113	?	4.0	0.9	11	NEW GUINEA, PAPUA NEW GUINEA
06	12	37	17.1&	44.300	N	7.500	E	2				5	NORTHERN ITALY. <LDG>. ML 1.7 (LDG).
06	12	50	11.7	24.539	N	94.478	E	67	D	4.7	0.9	72	MYANMAR-INDIA BORDER REGION
06	13	21	15.1*	42.439	N	143.905	E	100	G	3.4	1.0	11	HOKKAIDO, JAPAN REGION
06	13	22	26.2*	0.295	S	125.322	E	33	N	3.9	1.2	10	SOUTHERN MOLUCCA SEA
06	13	30	33.4&	36.063	N	117.632	W	1				21	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.7 (PAS), 3.7 (GS).
06	13	56	28.1*	40.642	N	142.915	E	33	N		1.2	8	NEAR EAST COAST OF HONSHU, JAPAN
06	14	41	25.6*	40.019	N	76.578	E	33	N	4.0	1.2	9	KYRGYZSTAN-XINJIANG BORDER REG.
06	14	43	48.7*	6.798	S	147.803	E	64	*	3.8	0.8	9	EASTERN NEW GUINEA REG., P.N.G.
06	14	59	34.8*	38.838	N	72.229	E	70	?	3.6	0.9	11	TAJIKISTAN
06	15	38	06.1&	54.097	N	164.110	W	13				11	UNIMAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
06	15	56	34.5&	36.077	N	117.624	W	1				17	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
06	16	02	15.7&	62.260	N	150.559	W	10				63	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PMR).
06	16	47	40.0	31.448	S	68.611	W	111		3.7	1.0	33	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (GUC).
06	16	53	38.5*	11.372	S	165.711	E	33	N	4.3	1.0	20	SANTA CRUZ ISLANDS
06	17	25	39.7&	29.636	S	70.403	W	129				14	CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
06	17	57	49.3&	34.197	S	70.080	W	3				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.0 (GUC).
06	18	24	55.2	4.533	S	153.502	E	123		4.8	0.6	29	NEW IRELAND REGION, P.N.G.
06	18	30	59.8?	45.71	S	76.25	W	33	N	4.4	0.5	8	OFF COAST OF SOUTHERN CHILE
06	19	18	25.5*	56.082	S	28.003	W	100	G	4.2	0.9	14	SOUTH SANDWICH ISLANDS REGION
06	19	22	04.4&	31.173	S	71.919	W	25				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
06	19	35	13.0*	27.755	N	140.550	E	33	N		1.3	9	BONIN ISLANDS REGION
06	19	51	01.6&	60.699	N	150.315	W	37				79	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC).
06	20	28	21.9&	45.510	N	26.414	E	130	G		0.7	7	ROMANIA
06	20	34	28.4&	31.787	S	69.960	W	146				15	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.6 (GUC).
06	22	08	12.0&	40.688	N	29.179	E	5				5	TURKEY. <ISK>. MD 2.7 (ISK).
06	22	09	47.5&	34.128	S	70.773	W	65				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
06	22	31	23.0*	51.770	N	176.512	E	33	N	3.9	1.1	9	RAT ISLANDS, ALEUTIAN ISLANDS
06	22	39	44.1&	38.954	N	28.642	E	10				8	TURKEY. <ISK>. MD 3.1 (ISK).
06	22	45	51.4*	23.775	S	177.417	W	150	G	4.6	1.2	27	SOUTH OF FIJI ISLANDS
06	22	45	55.8&	40.631	N	29.095	E	5				7	TURKEY. <ISK>. MD 2.9 (ISK).
06	22	59	24.1*	63.472	N	150.865	W	10	G		1.5	9	CENTRAL ALASKA. ML 3.3 (PMR).
06	23	00	22.2&	33.786	S	71.690	W	34				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
07	00	01	42.8&	36.070	N	117.629	W	1				11	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS), 2.9 (GS).
07	00	36	46.8&	36.076	N	117.618	W	2		4.3		137	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. Mw 4.8 (BRK). ML 5.0 (PAS). Felt at Death Valley Junction, California and Amargosa Valley, Nevada. Moment Tensor (BRK): Dep 11; Principal axes (scale 10**16 Nm): (T) Val=1.65, Plg=10, Azm=296; (N) Val=0.00, Plg=75, Azm=66; (P) Val=-1.65, Plg=11, Azm=204; Best double couple: Mo=1.7*10**16 Nm; NP1: Strike=250, Dip=89, Slip=-15; NP2: Strike=340, Dip=75, Slip=-179.
07	00	37	44.4&	36.074	N	117.623	W	0				2	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 4.8 (PAS).
07	00	42	35.6&	36.078	N	117.626	W	3				5	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.9 (PAS).
07	01	37	04.0&	37.640	N	118.951	W	6				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
07	01	46	19.8	47.258	N	11.621	E	10	G		0.8	10	AUSTRIA. ML 2.6 (FUR), 2.2 (VIE).
07	01	52	56.7&	37.638	N	118.949	W	5				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM).
07	01	53	35.1&	36.081	N	117.626	W	1				6	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS), 2.9 (GS).
07	02	08	59.5&	56.410	N	5.260	W	9				4	UNITED KINGDOM. <BGS>. ML 2.7 (BGS). Felt (IV) in the Oban area, Scotland.
07	02	40	03.2	20.184	S	168.924	E	33	N	4.7	4.8 1.2	79	LOYALTY ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:40:09.1; Lat 20.26 S; Lon 168.55 E; Dep 31.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.23, Plg=77, Azm=28; (N) Val=0.44, Plg=8, Azm=156; (P) Val=-6.67, Plg=10, Azm=248; Best double couple: Mo=6.4*10**16 Nm; NP1: Strike=348, Dip=35, Slip=105; NP2: Strike=150, Dip=56, Slip=80.
07	03	25	14.1&	32.153	S	69.641	W	162				16	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.6 (GUC).
07	03	26	56.2*	50.941	N	158.268	E	33	N		0.7	8	EAST OF KURIL ISLANDS
07	03	28	55.0?	19.95	S	168.67	E	33	N	3.8	1.5	11	VANUATU ISLANDS
07	03	31	53.0&	36.074	N	117.624	W	1				37	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
07	03	33	29.0&	36.060	N	117.642	W	2				32	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.3 (PAS).
07	03	54	56.6?	20.40	S	169.02	E	33	N	3.9	1.4	22	VANUATU ISLANDS
07	04	16	08.9&	58.121	N	154.971	W	94				87	ALASKA PENINSULA. <AEIC>.
07	04	37	58.6&	36.079	N	117.625	W	1				10	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS).
07	04	43	53.2*	4.803	S	143.447	E	33	N	4.2	1.4	11	NEW GUINEA, PAPUA NEW GUINEA
07	05	19	04.8&	40.655	N	29.102	E	12				10	TURKEY. <ISK>. MD 3.3 (ISK).
07	05	34	11.0*	35.081	S	54.119	E	10	G	4.6	1.0	12	SOUTH INDIAN OCEAN
07	06	06	53.6&	40.619	N	29.083	E	7				9	TURKEY. <ISK>. MD 3.0 (ISK).
07	06	20	04.6*	22.086	S	170.067	E	33	N	4.4	4.7 1.4	48	LOYALTY ISLANDS REGION. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:20:05.7; Lat 22.48 S; Lon 170.46 E; Dep 32.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.78, Plg=82, Azm=50; (N) Val=0.37, Plg=4, Azm=288; (P) Val=-5.16, Plg=7, Azm=197; Best double couple:

														Mo-5.0*10**16 Nm; NP1: Strike=282, Dip=38, Slip=83; NP2: Strike=111, Dip=52, Slip=96.
07	06	24	47.2&	40.616	N	29.095	E	6					7	TURKEY. <ISK>. MD 2.9 (ISK).
07	06	40	09.6	28.522	S	67.614	W	133		4.0		1.3	36	LA RIOJA PROVINCE, ARGENTINA
07	06	42	07.7	39.486	N	95.072	E	33	N	4.1		1.1	24	GANSU, CHINA
07	06	44	52.8&	36.530	N	3.150	W	0	G				6	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
07	06	49	08.7?	19.53	S	176.02	W	150	G	4.3		1.0	20	FIJI ISLANDS REGION
07	07	02	13.9&	59.502	N	153.085	W	108					70	SOUTHERN ALASKA. <AEIC>.
07	07	14	28.5&	33.627	S	72.184	W	38		4.5	4.5		60	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.8 (GUC).
07	07	33	41.3?	11.50	S	166.00	E	33	N	4.0		1.4	10	SANTA CRUZ ISLANDS
07	07	37	46.7&	33.584	S	71.957	W	13					14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
07	07	53	06.5&	33.601	S	72.117	W	18					13	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
07	08	42	38.1&	39.617	N	29.462	E	10	G				5	TURKEY. <ISK>. MD 2.6 (ISK).
07	09	26	43.0&	45.174	N	6.549	E	0					52	FRANCE. <GEN>. ML 3.1 (STR), 3.0 (LDG), 2.7 (GEN).
07	09	29	40.7&	33.576	S	72.024	W	19					15	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
07	09	35	55.7?	14.13	N	93.02	W	33	N	4.2		1.5	12	NEAR COAST OF CHIAPAS, MEXICO
07	09	59	09.6*	12.620	S	166.627	E	134	D	4.4		1.2	18	SANTA CRUZ ISLANDS
07	10	16	16.6&	33.587	S	72.046	W	11					13	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
07	10	29	37.4&	14.384	N	92.033	W	66		4.5			24	NEAR COAST OF CHIAPAS, MEXICO. <UNM>. MD 4.7 (UNM).
07	10	40	48.6*	4.466	S	144.377	E	33	N	3.1		1.3	6	NEAR N COAST OF NEW GUINEA, PNG.
07	10	42	27.8&	33.592	S	72.038	W	23					15	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
07	11	07	30.4	36.069	N	27.341	E	56		4.5		1.2	120	DODECANESE ISLANDS. MD 4.2 (ISK).
07	11	36	19.8&	34.888	S	71.124	W	99					13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
07	11	48	57.0*	15.673	S	167.406	E	100	G	4.0		1.2	25	VANUATU ISLANDS
07	12	03	52.8&	36.073	N	117.623	W	1					9	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.7 (PAS), 2.8 (GS).
07	12	07	48.7	47.862	N	14.407	E	10	G			1.2	20	AUSTRIA. ML 3.5 (CLL), 3.5 (GRF), 3.4 (VIE), 3.0 (FUR).
07	12	42	34.6&	36.077	N	117.619	W	1					18	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS), 3.2 (GS).
07	13	14	22.4	9.806	S	117.071	E	77		4.8		1.1	46	SUMBAWA REGION, INDONESIA
07	14	25	15.5*	11.844	S	165.847	E	100	G			0.9	8	SANTA CRUZ ISLANDS
07	14	45	10.2	40.339	N	125.463	W	10	G			0.8	30	OFF COAST OF NORTHERN CALIFORNIA. ML 3.5 (BRK), 3.5 (GS).
07	15	31	13.5*	19.416	S	179.119	E	600	G	3.5		0.5	11	SOUTH OF FIJI ISLANDS
07	15	41	08.1?	35.17	N	71.53	E	93	*	3.4		0.5	7	PAKISTAN
07	15	57	25.3*	17.621	S	173.376	W	33	N	4.4		0.8	13	TONGA ISLANDS
07	16	10	54.2*	5.339	S	129.882	E	200	G	4.1		0.7	12	BANDA SEA
07	16	28	57.5	7.104	S	129.252	E	100	G	4.9		1.2	37	BANDA SEA
07	16	37	52.1&	39.315	N	27.699	E	12					6	TURKEY. <ISK>. MD 2.8 (ISK).
07	17	30	32.5*	13.136	N	143.658	E	235	*	4.3		0.8	20	SOUTH OF MARIANA ISLANDS
07	17	44	58.6	27.966	S	179.242	E	500	G	4.3		1.2	43	KERMADEC ISLANDS REGION
07	17	56	07.8*	3.969	S	136.206	E	33	N	3.8		1.3	11	IRIAN JAYA, INDONESIA
07	18	10	52.3	23.595	S	179.828	W	583	D	4.6		1.0	57	SOUTH OF FIJI ISLANDS
07	18	46	52.8	14.993	N	92.459	W	100	G	4.2		0.8	31	NEAR COAST OF CHIAPAS, MEXICO
07	19	49	05.0*	3.531	S	140.165	E	33	N	3.9		1.5	11	IRIAN JAYA, INDONESIA
07	20	18	21.2&	62.009	N	149.795	W	44					61	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.9 (PMR).
07	20	26	20.8	51.572	N	16.228	E	5	G			0.9	13	POLAND. ML 3.3 (VIE), 2.9 (WAR).
07	20	36	30.5&	60.170	N	153.490	W	161					57	SOUTHERN ALASKA. <AEIC>.
07	21	00	25.8&	38.824	N	122.795	W	1					10	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
07	21	15	28.1&	38.580	N	1.110	W	0	G				7	SPAIN. <MDD>. mbLg 1.7 (MDD).
07	21	53	57.5*	38.963	N	142.682	E	33	N			0.8	8	NEAR EAST COAST OF HONSHU, JAPAN
07	22	10	25.8&	36.410	N	3.200	W	0	G				9	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.1 (MDD).
07	22	14	38.2	34.986	N	27.701	E	33	N			0.9	15	EASTERN MEDITERRANEAN SEA
07	23	07	12.4&	40.639	N	29.139	E	5					5	TURKEY. <ISK>. MD 2.8 (ISK).
07	23	59	58.3*	30.421	S	177.712	W	33	N	4.9	4.9	1.3	44	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:00:04.1; Lat 30.16 S; Lon 177.48 W; Dep 34.7; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.85, Plg=69, Azm=298; (N) Val=0.20, Plg=4, Azm=197; (P) Val=-1.05, Plg=20, Azm=105; Best double couple: Mo=9.5*10**16 Nm; NP1: Strike=187, Dip=25, Slip=80; NP2: Strike=18, Dip=66, Slip=95.
08	00	02	04.8	38.607	N	141.711	E	58	D	4.6		1.0	41	NEAR EAST COAST OF HONSHU, JAPAN
08	00	09	54.8*	29.992	S	178.749	W	300	G	4.3		0.9	17	KERMADEC ISLANDS, NEW ZEALAND
08	00	16	04.2&	17.883	N	103.780	W	16					31	NEAR COAST OF MICHOACAN, MEXICO. <UNM>. MD 4.6 (UNM).
08	00	23	52.5&	32.788	S	71.602	W	16					11	NEAR COAST OF CENTRAL CHILE. <GUC>.
08	00	35	42.1	20.585	N	122.142	E	158	D	5.5		0.9	288	PHILIPPINE ISLANDS REGION. Mw 5.8 (GS), 5.7 (HRV). Moment Tensor (GS): Dep 152; Principal axes (scale 10**17 Nm): (T) Val=5.63, Plg=16, Azm=275; (N) Val=0.04, Plg=30, Azm=176; (P) Val=-5.67, Plg=55, Azm=29; Best double couple: Mo=5.6*10**17 Nm; NP1: Strike=40, Dip=39, Slip=-38; NP2: Strike=161, Dip=67, Slip=-123. Centroid, Moment Tensor (HRV): Centroid origin time 00:35:46.7; Lat 20.70 N; Lon 122.06 E; Dep 158.9; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=4.60, Plg=20, Azm=270; (N) Val=0.13, Plg=28, Azm=169; (P) Val=-4.73, Plg=55, Azm=30; Best double couple: Mo=4.7*10**17 Nm; NP1: Strike=37, Dip=35, Slip=-36; NP2: Strike=158, Dip=70, Slip=-120.
08	00	50	27.6&	33.606	S	71.949	W	14					10	NEAR COAST OF CENTRAL CHILE. <GUC>.
08	01	06	54.9&	46.000	N	6.100	E	2					17	SWITZERLAND. <LDG>. ML 2.5 (LDG).
08	01	47	50.9&	36.070	N	117.636	W	1					13	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS).
08	01	50	54.5&	60.325	N	152.184	W	99					53	SOUTHERN ALASKA. <AEIC>.
08	02	29	50.5	12.597	N	88.033	W	56	D	4.8		1.1	77	OFF COAST OF CENTRAL AMERICA
08	02	51	30.7?	23.57	S	179.94	W	500	G	4.1		1.1	13	SOUTH OF FIJI ISLANDS
08	03	03	07.5&	36.074	N	117.621	W	1					36	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
08	03	39	05.5&	33.581	S	72.007	W	11					10	OFF COAST OF CENTRAL CHILE. <GUC>.
08	03	44	12.2&	37.260	N	2.780	W	1					7	SPAIN. <MDD>. mbLg 1.7 (MDD).
08	04	00	44.1&	16.048	N	98.467	W	16					13	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.1 (UNM).
08	04	46	48.8	36.087	N	139.604	E	69		4.6		1.0	78	EASTERN HONSHU, JAPAN. Felt (IV JMA) in northern Saitama and southern Tochigi Prefectures; (III JMA) in Gumma, southern Ibaraki, southern Saitama and northern Tochigi Prefectures. Also felt in parts of Chiba, Fukushima, Kanagawa, Tokyo and Yamanashi Prefectures.

08	04	59	08.3	6.154	N	73.940	W	33	N	5.1 4.1	0.9	135	NORTHERN COLOMBIA. Felt in much of central and northern Colombia.
08	06	17	23.5	9.112	N	125.612	E	100	G	4.5	1.1	34	MINDANAO, PHILIPPINE ISLANDS
08	06	42	03.7*	54.639	N	160.505	E	100	G	3.9	0.8	16	NEAR EAST COAST OF KAMCHATKA
08	07	10	49.9&	40.640	N	29.129	E	8				4	TURKEY. <ISK>. MD 2.6 (ISK).
08	07	44	08.7&	34.504	S	72.318	W	35				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
08	07	57	14.8&	36.071	N	117.633	W	1				44	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.4 (PAS).
08	08	05	23.0&	32.240	S	70.577	W	101				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
08	08	09	43.3*	20.444	S	69.649	W	100	G	3.8	0.6	6	NORTHERN CHILE
08	09	14	58.7*	48.034	N	153.639	E	100	G		0.9	10	KURIL ISLANDS
08	09	46	22.1*	32.871	N	141.749	E	33	N		1.2	12	SOUTH OF HONSHU, JAPAN
08	10	07	38.3	51.643	N	16.103	E	5	G		1.0	20	POLAND. ML 3.9 (GRF), 3.6 (VIE), 3.2 (WAR).
08	10	18	39.4*	25.739	N	100.467	E	54	*	4.0	1.0	14	YUNNAN, CHINA
08	10	47	29.8*	44.880	N	80.894	E	100	G	3.9	0.8	15	KAZAKHSTAN-XINJIANG BORDER REG.
08	11	17	21.1*	36.998	S	177.591	E	100	G	4.3	0.6	15	OFF E. COAST OF N. ISLAND, N.Z.
08	11	42	16.6	46.543	N	153.257	E	33	N	4.7 4.4	1.0	95	KURIL ISLANDS
08	12	55	33.9*	15.383	S	71.797	W	145	D	3.4	0.7	9	SOUTHERN PERU
08	13	00	21.6	63.654	N	150.575	W	33	N		1.1	9	CENTRAL ALASKA. ML 2.9 (PMR).
08	14	00	55.9*	30.562	S	177.787	W	33	N	5.1 5.1	1.3	58	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:01:01.2; Lat 30.20 S; Lon 177.45 W; Dep 46.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.13, Plg=72, Azm=303; (N) Val=0.62, Plg=5, Azm=198; (P) Val=-7.75, Plg=17, Azm=107; Best double couple: Mo=7.4*10**16 Nm; NP1: Strike=190, Dip=28, Slip=80; NP2: Strike=21, Dip=63, Slip=95.
08	14	29	05.0&	33.277	S	71.147	W	56				10	NEAR COAST OF CENTRAL CHILE. <GUC>.
08	14	40	26.4&	60.359	N	152.229	W	79				74	SOUTHERN ALASKA. <AEIC>.
08	14	45	12.3	30.913	S	71.366	W	62	D		1.0	26	NEAR COAST OF CENTRAL CHILE
08	14	54	20.4*	36.376	N	71.102	E	100	G	3.3	0.8	10	AFGHANISTAN-TAJIKISTAN BORD REG.
08	15	02	13.5&	39.760	N	29.444	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
08	15	04	31.4&	62.815	N	149.075	W	63				64	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.1 (PMR).
08	15	14	33.1&	40.635	N	29.129	E	10	G			6	TURKEY. <ISK>. MD 2.7 (ISK).
08	15	15	15.3&	40.631	N	29.103	E	5				8	TURKEY. <ISK>. MD 2.9 (ISK).
08	15	28	09.1&	40.631	N	29.114	E	5				8	TURKEY. <ISK>. MD 3.0 (ISK).
08	15	28	41.9&	36.075	N	117.617	W	1				56	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.9 (PAS).
08	15	35	51.6&	36.980	N	2.850	W	20				10	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.2 (MDD).
08	16	54	44.1&	40.629	N	29.126	E	5				7	TURKEY. <ISK>. MD 2.9 (ISK).
08	19	28	20.2&	65.661	N	145.096	W	14				63	NORTHERN ALASKA. <AEIC>. ML 3.8 (AEIC), 4.2 (PMR). Felt at Fairbanks.
08	19	49	07.4*	29.303	N	141.014	E	100	G	4.0	0.9	13	SOUTH OF HONSHU, JAPAN
08	19	50	17.1&	36.570	N	5.620	W	0				14	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
08	20	05	24.8*	31.662	S	68.818	W	33	N		1.3	14	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (GUC).
08	20	26	12.6&	33.560	S	71.980	W	15				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
08	20	36	11.6&	40.648	N	29.117	E	5				7	TURKEY. <ISK>. MD 3.0 (ISK).
08	20	39	55.3&	40.629	N	29.120	E	7				7	TURKEY. <ISK>. MD 2.9 (ISK).
08	21	29	15.2&	65.763	N	147.940	W	11				18	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
08	21	45	13.9&	17.881	N	103.504	W	20		3.9		28	NEAR COAST OF MICHOACAN, MEXICO. <UNM>. MD 4.6 (UNM).
08	22	42	43.5&	35.954	N	117.624	W	2				12	CENTRAL CALIFORNIA. <PAS-P>. MD 2.9 (PAS).
08	23	17	05.6&	63.204	N	150.703	W	134		2.8		69	CENTRAL ALASKA. <AEIC>.
08	23	40	08.1*	38.447	N	29.831	W	10	G	4.0	0.7	9	AZORES ISLANDS
09	01	16	29.3*	2.687	S	140.571	E	33	N	4.4	1.3	22	NEAR NORTH COAST OF IRIAN JAYA. MD 5.1 (DJA).
09	01	28	48.7&	33.694	S	72.384	W	41				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
09	02	07	43.7	6.793	N	73.099	W	161	*	4.2	1.0	53	NORTHERN COLOMBIA
09	02	17	29.4	47.309	N	11.369	E	10	G		1.1	50	AUSTRIA. ML 3.3 (GRF), 2.9 (FBB), 2.9 (FUR), 2.9 (LDG), 2.6 (VIE). Felt (III) at Innsbruck.
09	02	49	32.8	47.297	N	11.352	E	10	G		1.0	44	AUSTRIA. ML 3.0 (GRF), 2.7 (LDG), 2.6 (FUR), 2.4 (VIE).
09	03	24	15.5	47.293	N	11.296	E	5	G		1.0	7	AUSTRIA. ML 1.9 (VIE).
09	04	13	24.4&	32.319	S	70.888	W	67				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
09	04	20	31.3&	55.381	N	159.347	W	62				39	ALASKA PENINSULA. <AEIC>. ML 3.9 (AEIC).
09	04	32	17.0&	9.089	N	78.435	W	50				5	PANAMA. <UPA>. MD 3.5 (UPA).
09	05	01	29.1*	0.720	N	17.458	E	10	G		1.2	16	CONGO
09	05	05	58.0&	46.490	N	81.070	W	1	G	3.9		9	ONTARIO, CANADA. <OTT-P>. mbLg 3.9 (OTT), 3.8 (GS). Probable rockburst.
09	05	31	43.9*	14.250	S	167.015	E	195	?	4.2	1.0	45	VANUATU ISLANDS
09	05	42	31.5&	39.080	N	27.835	E	5				4	TURKEY. <ISK>. MD 2.8 (ISK).
09	06	12	10.4&	34.000	S	71.366	W	53				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
09	06	21	15.2&	15.609	N	97.529	W	39				16	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.4 (UNM).
09	06	38	03.5?	36.37	N	71.16	E	119	?	3.7	1.2	9	AFGHANISTAN-TAJIKISTAN BORD REG.
09	06	40	13.5*	11.482	S	165.764	E	33	N	4.0	1.3	16	SANTA CRUZ ISLANDS
09	07	41	17.9*	22.487	N	78.016	E	10	G	4.3	1.1	12	SOUTHERN INDIA
09	07	49	46.0*	6.667	S	129.882	E	150	G	4.0	1.3	9	BANDA SEA
09	08	18	32.6&	44.118	N	7.140	E	12				19	NORTHERN ITALY. <GEN>. ML 2.6 (GEN), 2.2 (STR).
09	08	52	58.1	10.113	S	117.100	E	33	N	3.2	1.2	8	SOUTH OF SUMBAWA, INDONESIA
09	09	26	26.9&	47.000	N	2.300	E	2				6	FRANCE. <LDG>. ML 2.3 (LDG).
09	10	26	48.1*	20.735	N	146.043	E	100	G	3.8	0.9	16	MARIANA ISLANDS REGION
09	10	44	57.6&	40.234	N	28.933	E	10	G			4	TURKEY. <ISK>. MD 2.5 (ISK).
09	11	21	20.3	36.024	N	28.388	E	72	D	5.1	1.1	342	DODECANESE ISLANDS. Mw 5.4 (CSEM), 5.2 (HRV). MD 4.8 (ISK). Felt in Mugla and other parts of southwestern Turkey. Also felt in the Limassol and Paphos areas and by people in high-rise buildings at Nicosia, Cyprus. Centroid, Moment Tensor (HRV): Centroid origin time 11:21:20.4; Lat 35.66 N; Lon 28.12 E; Dep 53.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.95, Plg=14, Azm=299; (N) Val=-1.07, Plg=14, Azm=32; (P) Val=-5.88, Plg=70, Azm=165; Best double couple: Mo=6.4*10**16 Nm; NP1: Strike=10, Dip=33, Slip=-116; NP2: Strike=220, Dip=60, Slip=-74. Moment Tensor (CSEM): Dep 80; Principal axes: (T) Plg=57, Azm=250; (N) Plg=13, Azm=1; (P) Plg=30, Azm=98; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=221, Dip=19, Slip=132; NP2: Strike=357, Dip=76, Slip=77.
09	11	26	25.7	30.723	S	69.072	W	33	N		1.3	19	CHILE-ARGENTINA BORDER REGION. MD 4.1 (GUC).

09	11	38	00.3&	45.200	N	6.500	E	2					7	FRANCE. <LDG>. ML 2.1 (LDG).
09	11	42	03.7&	47.900	N	1.400	W	3					9	FRANCE. <LDG>. ML 2.7 (LDG).
09	11	58	48.5&	59.381	N	153.537	W	111					39	SOUTHERN ALASKA. <AEIC>.
09	12	10	14.1?	17.71	S	167.32	E	33	N	3.2		0.9	8	VANUATU ISLANDS
09	12	26	30.9*	3.003	S	141.297	E	33	N	4.0		0.6	11	NEW GUINEA, PAPUA NEW GUINEA
09	12	46	46.9	2.717	S	141.084	E	33	N	4.7	4.2	1.0	47	NEAR N COAST OF NEW GUINEA, PNG.
09	13	43	26.1*	2.573	S	140.954	E	33	N	4.0		1.5	8	NEAR NORTH COAST OF IRIAN JAYA
09	14	28	01.6*	3.664	S	141.844	E	33	N	3.5		1.4	9	NEW GUINEA, PAPUA NEW GUINEA
09	14	34	52.9	59.905	S	22.893	W	33	N	5.0	4.1	1.0	43	SOUTH SANDWICH ISLANDS REGION. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:34:54.3; Lat 60.06 S; Lon 22.65 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.58, Plg=12, Azm=163; (N) Val=0.36, Plg=9, Azm=256; (P) Val=-3.94, Plg=74, Azm=22; Best double couple: Mo=3.8*10**16 Nm; NP1: Strike=241, Dip=34, Slip=-107; NP2: Strike=81, Dip=58, Slip=-79.
09	14	39	39.3*	21.669	N	142.984	E	341	*	4.2		1.2	27	MARIANA ISLANDS REGION
09	14	46	58.1	4.283	S	143.985	E	78		4.1		1.1	19	NEW GUINEA, PAPUA NEW GUINEA
09	14	49	24.0&	33.523	S	72.908	W	33					12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
09	15	03	47.3	10.071	N	122.201	E	75	*	4.6		1.0	47	PANAY, PHILIPPINE ISLANDS
09	15	30	48.3	51.490	N	174.173	W	33	N	4.6	4.7	0.9	33	ANDREANOF ISLANDS, ALEUTIAN IS.
09	15	33	32.3&	45.200	N	5.500	E	0					7	FRANCE. <LDG>. ML 1.9 (LDG).
09	15	58	10.4*	51.662	N	174.222	W	33	N	4.0		1.5	13	ANDREANOF ISLANDS, ALEUTIAN IS.
09	17	18	52.6&	40.620	N	29.108	E	10	G				7	TURKEY. <ISK>. MD 3.2 (ISK).
09	17	31	02.8&	63.202	N	151.208	W	9					60	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
09	18	15	42.2*	15.237	S	173.315	W	77	D	4.4		0.8	28	TONGA ISLANDS
09	18	43	45.3&	40.117	N	27.187	E	5					6	TURKEY. <ISK>. MD 2.9 (ISK).
09	18	46	15.1*	37.003	N	141.746	E	43	D	4.4		1.0	12	NEAR EAST COAST OF HONSHU, JAPAN
09	18	56	52.0&	32.223	S	70.462	W	112					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
09	19	01	14.7&	36.495	N	28.721	E	15					6	DODECANESE ISLANDS. <ISK>. MD 3.5 (ISK).
09	19	41	01.2*	6.388	S	146.025	E	124	*			0.8	6	EASTERN NEW GUINEA REG., P.N.G.
09	20	18	42.8&	38.367	N	26.917	E	5					5	AEGEAN SEA. <ISK>. MD 3.0 (ISK).
09	21	15	39.9&	32.588	S	70.480	W	93					15	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC).
09	21	46	07.6*	22.798	S	66.101	W	264		4.3		1.1	18	JUJUY PROVINCE, ARGENTINA
09	22	48	13.2?	7.89	N	137.40	E	33	N	4.2		1.3	8	WESTERN CAROLINE ISLANDS
09	23	21	35.5	36.510	N	71.054	E	239	D	4.6		0.8	155	AFGHANISTAN-TAJIKISTAN BORD REG. Felt at Chitral, Pakistan.
09	23	47	13.2&	33.423	S	70.500	W	97					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
10	00	09	21.6*	24.305	N	122.073	E	173	?	3.3		0.9	8	TAIWAN REGION
10	00	20	15.9	58.651	S	25.387	W	33	N	4.6		0.8	32	SOUTH SANDWICH ISLANDS REGION
10	00	44	11.1&	54.853	N	161.506	W	88					15	ALASKA PENINSULA. <AEIC>.
10	00	55	05.5&	40.647	N	29.156	E	10					6	TURKEY. <ISK>. MD 3.0 (ISK).
10	03	22	55.4&	7.026	N	79.880	W	25					6	SOUTH OF PANAMA. <UPA>. MD 3.8 (UPA).
10	04	00	30.5*	8.267	N	83.851	W	33	N			1.2	13	COSTA RICA. MD 4.4 (UPA).
10	04	09	11.4*	16.778	S	176.530	W	121	?	3.9		0.3	9	FIJI ISLANDS REGION
10	04	19	40.0*	3.467	N	126.503	E	151	*	4.5		1.1	32	TALAUD ISLANDS, INDONESIA
10	04	30	33.9	36.030	N	26.019	E	142	D	4.6		1.0	155	DODECANESE ISLANDS
10	05	15	06.9&	15.778	N	96.424	W	49					5	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.0 (UNM).
10	05	20	30.0&	40.640	N	29.158	E	5					6	TURKEY. <ISK>. MD 2.9 (ISK).
10	05	47	12.7	32.613	S	71.690	W	33	N	4.9		1.4	46	NEAR COAST OF CENTRAL CHILE. MD 4.9 (GUC). Felt (V) at Valparaiso and Vina del Mar; (IV) at La Ligua, Papudo and Zapallar; (III) at Illapel, Los Vilos, Quillota and Santiago; (II) at San Antonio.
10	05	51	01.1	6.797	N	73.138	W	169	D	4.2		1.1	40	NORTHERN COLOMBIA
10	06	40	04.4&	31.085	S	71.388	W	25					14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
10	06	54	03.0	41.739	N	22.851	E	10	G			1.2	8	NORTHWESTERN BALKAN REGION
10	07	38	24.5?	14.02	N	58.19	E	10	G	4.9		0.7	11	ARABIAN SEA
10	08	43	27.9*	5.930	S	76.955	W	33	N	3.7		1.1	13	NORTHERN PERU
10	09	36	05.8?	52.38	N	30.80	W	10	G	3.9		1.4	11	NORTHERN MID-ATLANTIC RIDGE
10	09	42	19.0?	29.73	N	139.60	E	355	?	3.6		0.9	9	SOUTH OF HONSHU, JAPAN
10	10	30	08.3&	36.079	N	117.634	W	3					41	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS).
10	10	48	56.8&	39.389	N	28.072	E	10	G				6	TURKEY. <ISK>. MD 2.8 (ISK).
10	10	54	47.0*	48.984	N	150.635	E	350	G	4.2		1.0	13	NORTHWEST OF KURIL ISLANDS
10	11	45	45.0*	21.836	S	68.391	W	147	*	4.1		0.8	19	CHILE-BOLIVIA BORDER REGION
10	12	36	42.9?	5.61	S	146.20	E	33	N	3.7		1.2	6	EASTERN NEW GUINEA REG., P.N.G.
10	13	03	53.0&	59.709	N	151.077	W	45					63	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
10	13	20	13.4&	28.810	N	51.984	E	33	N			1.3	11	SOUTHERN IRAN
10	13	32	57.5	9.607	S	113.946	E	33	N	3.9		1.2	21	SOUTH OF JAWA, INDONESIA
10	13	45	14.3&	33.223	S	71.948	W	16					13	NEAR COAST OF CENTRAL CHILE. <GUC>.
10	13	57	22.8?	24.27	N	125.14	E	30	D	3.8		1.3	6	SOUTHWESTERN RYUKYU ISLANDS
10	14	06	34.4	54.752	N	161.290	E	33	N	4.8		1.0	63	NEAR EAST COAST OF KAMCHATKA
10	14	08	07.7&	39.648	N	29.656	E	13					4	TURKEY. <ISK>. MD 2.6 (ISK).
10	14	20	52.6*	30.586	N	141.574	E	33	N	4.1		1.0	14	SOUTH OF HONSHU, JAPAN
10	15	28	57.7*	85.850	N	23.364	E	10	G	4.3	4.0	1.3	13	NORTH OF SVALBARD
10	15	33	12.3&	39.160	N	27.471	E	13					5	TURKEY. <ISK>. MD 2.9 (ISK).
10	15	37	01.6&	63.215	N	150.160	W	111					75	CENTRAL ALASKA. <AEIC>.
10	17	03	36.4&	37.641	N	118.901	W	7					13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
10	17	40	47.4	8.484	S	74.271	W	157	D	5.0		0.9	153	PERU-BRAZIL BORDER REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:40:53.1; Lat 8.11 S; Lon 73.89 W; Dep 161.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.88, Plg=20, Azm=112; (N) Val=2.41, Plg=11, Azm=18; (P) Val=-9.29, Plg=67, Azm=261; Best double couple: Mo=8.1*10**16 Nm; NP1: Strike=221, Dip=27, Slip=-65; NP2: Strike=13, Dip=66, Slip=-102.
10	17	52	37.6*	32.909	N	141.592	E	33	N	3.8		1.1	17	SOUTH OF HONSHU, JAPAN
10	17	53	16.2&	40.609	N	29.103	E	6					6	TURKEY. <ISK>. MD 3.0 (ISK).
10	18	19	06.6&	9.170	N	79.566	W	0					5	PANAMA. <UPA>. MD 3.0 (UPA).
10	18	33	45.5?	4.82	S	76.04	W	105	?	3.1		0.5	8	NORTHERN PERU
10	19	16	50.6*	17.716	S	69.462	W	149	*	4.1		0.8	9	PERU-BOLIVIA BORDER REGION
10	20	21	30.8?	17.18	S	174.99	W	170	*	4.1		0.4	11	TONGA ISLANDS
10	20	30	46.3&	39.330	N	27.999	E	11					4	TURKEY. <ISK>. MD 2.7 (ISK).
10	20	37	02.9?	47.30	N	152.19	E	33	N	3.4		0.8	7	KURIL ISLANDS
10	20	57	45.0	10.930	S	74.524	W	33	N	5.3	4.6	1.0	223	CENTRAL PERU. Mw 5.3 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 20:57:45.2; Lat 10.95 S; Lon 74.40 W; Dep 47.2; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.88, Plg=77, Azm=183; (N) Val=0.16, Plg=9, Azm=313; (P) Val=-1.03, Plg=10, Azm=45; Best double couple: Mo=9.5*10**16 Nm; NP1: Strike=146, Dip=36, Slip=105; NP2: Strike=307, Dip=56, Slip=79.

10	21	00	54.4*	10.809	S	74.293	W	33	N		0.4	10	CENTRAL PERU
10	21	39	32.6	6.310	S	150.879	E	52	*	4.3	0.9	25	NEW BRITAIN REGION, P.N.G.
10	22	03	39.0&	46.500	N	122.400	W	15				74	WASHINGTON. <SEA-P>. MD 2.8 (SEA).
10	22	59	59.2&	33.974	S	71.000	W	70				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.2 (GUC).
10	23	03	48.9	5.940	S	146.714	E	69		4.5	1.1	28	EASTERN NEW GUINEA REG., P.N.G.
10	23	10	26.2&	60.254	N	153.321	W	144				77	SOUTHERN ALASKA. <AEIC>.
10	23	26	09.1?	9.52	N	126.00	E	200	G	3.9	1.1	10	MINDANAO, PHILIPPINE ISLANDS
10	23	32	43.7	11.672	S	57.002	W	10	G	5.2 4.6	0.9	122	BRAZIL. Felt (VI) in Mato Grosso.
10	23	44	32.8&	44.300	N	6.900	E	2				19	FRANCE. <LDG>. ML 2.3 (GEN), 2.1 (LDG), 1.9 (STR).
10	23	48	31.9&	18.040	N	65.600	W	1				6	PUERTO RICO REGION. <MPR>. MD 3.2 (MPR).
10	23	52	39.9&	42.030	N	7.490	W	0	G			7	SPAIN. <MDD>. mbLg 2.8 (MDD).
11	00	03	13.4?	30.08	N	68.01	E	33	N	3.8	1.4	6	PAKISTAN
11	00	15	58.0	7.319	S	129.475	E	131	*	4.5	1.3	25	BANDA SEA
11	00	35	55.3	6.324	N	126.563	E	33	N	4.7	1.1	32	MINDANAO, PHILIPPINE ISLANDS
11	00	37	38.1	6.293	N	126.335	E	33	N	5.4 5.2	1.0	97	MINDANAO, PHILIPPINE ISLANDS. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:37:45.2; Lat 6.36 N; Lon 126.70 E; Dep 34.0 Bdy; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.58, Plg=50, Azm=224; (N) Val=0.93, Plg=31, Azm=1; (P) Val=-4.51, Plg=22, Azm=105; Best double couple: Mo=4.1*10**17 Nm; NP1: Strike=238, Dip=36, Slip=152; NP2: Strike=351, Dip=74, Slip=57.
11	00	56	11.0	6.397	N	126.485	E	33	N	4.9	1.2	44	MINDANAO, PHILIPPINE ISLANDS
11	01	27	52.5?	5.86	N	125.10	E	33	N	4.3	1.1	10	MINDANAO, PHILIPPINE ISLANDS
11	02	06	32.1&	21.603	N	99.387	W	5				17	CENTRAL MEXICO. <UNM>. MD 4.1 (UNM).
11	02	08	31.0*	8.182	N	126.424	E	121	?	4.2	1.0	15	MINDANAO, PHILIPPINE ISLANDS
11	02	16	30.7&	31.706	S	71.912	W	11				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
11	02	45	18.0*	17.860	S	178.409	W	600	G	4.0	0.8	14	FIJI ISLANDS REGION
11	02	57	06.1&	31.870	S	71.708	W	28				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
11	03	27	55.0*	36.356	S	140.559	E	10	G	3.0	1.1	7	NEAR SOUTH COAST OF AUSTRALIA. Felt at Padthaway, South Australia.
11	03	39	28.0&	36.080	N	117.629	W	2				19	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS), 3.1 (GS).
11	03	41	21.0	19.180	N	64.762	W	33	N	4.5	0.9	30	VIRGIN ISLANDS. MD 4.6 (MPR).
11	03	48	14.3&	16.893	N	100.335	W	11				4	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
11	04	29	35.9&	33.798	S	70.393	W	106				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
11	04	38	22.6?	43.26	N	17.34	E	10	G		0.8	18	NORTHWESTERN BALKAN REGION. ML 3.4 (VIE). Felt at Imotski, Croatia.
11	04	45	24.1?	5.89	N	125.77	E	33	N	4.5	1.2	8	MINDANAO, PHILIPPINE ISLANDS
11	06	00	08.6	22.308	N	122.528	E	33	N	4.3	1.2	21	TAIWAN REGION
11	06	56	26.8&	39.576	N	29.605	E	10				4	TURKEY. <ISK>. MD 2.6 (ISK).
11	07	00	45.1*	18.697	S	178.000	W	450	G	4.1	0.9	29	FIJI ISLANDS REGION
11	07	26	56.3&	63.696	N	149.817	W	137				50	CENTRAL ALASKA. <AEIC>.
11	07	56	33.0?	4.45	S	146.19	E	33	N	4.2	1.1	8	EASTERN NEW GUINEA REG., P.N.G.
11	07	56	40.4&	40.901	N	28.332	E	10				4	TURKEY. <ISK>. MD 2.8 (ISK).
11	08	02	00.1?	41.98	S	88.21	E	10	G		0.6	7	SOUTHEAST INDIAN RIDGE
11	09	05	34.0&	38.886	N	26.231	E	10	G			6	AEGEAN SEA. <ISK>. MD 2.9 (ISK).
11	09	37	15.2&	59.882	N	152.153	W	77		2.6		69	SOUTHERN ALASKA. <AEIC>.
11	10	48	50.0&	8.341	N	82.862	W	7				4	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.2 (UPA).
11	11	52	29.2&	16.104	N	97.997	W	20				16	OAXACA, MEXICO. <UNM>. MD 4.3 (UNM).
11	12	18	51.8&	34.024	N	117.230	W	15		4.0		66	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.5 (PAS), 4.4 (BRK). Felt in Los Angeles, Orange, Riverside, San Bernardino and San Diego Counties.
11	13	07	36.4&	36.070	N	117.620	W	1				17	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS), 3.2 (GS).
11	13	25	02.0&	18.568	N	102.068	W	16				13	MICHOACAN, MEXICO. <UNM>. MD 4.2 (UNM).
11	13	33	52.9	11.759	N	143.760	E	33	N	4.2	1.1	27	SOUTH OF MARIANA ISLANDS
11	14	07	22.6?	21.59	S	169.64	E	33	N	3.9	1.4	20	LOYALTY ISLANDS REGION
11	14	13	12.7&	17.037	N	100.116	W	37				24	GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
11	14	16	44.0&	36.340	N	7.920	W	29				34	STRAIT OF GIBRALTAR. <MDD>. mbLg 3.3 (MDD).
11	14	38	18.4*	46.256	N	15.714	E	10	G		0.5	5	NORTHWESTERN BALKAN REGION. ML 2.7 (VIE).
11	15	04	58.3&	43.100	N	0.200	E	2				4	FRANCE. <LDG>.
11	15	33	47.1	8.810	S	115.094	E	66		3.3	1.0	17	BALI REGION, INDONESIA
11	15	34	06.9	25.210	N	95.100	E	98	D	4.5	0.8	43	MYANMAR-INDIA BORDER REGION
11	15	39	45.4	27.656	N	61.566	E	33	N	4.4	0.8	20	SOUTHERN IRAN
11	15	49	38.6&	31.202	S	69.298	W	231				16	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.9 (GUC).
11	16	18	43.7	5.360	S	145.583	E	77		4.0	1.0	24	EASTERN NEW GUINEA REG., P.N.G.
11	16	23	20.9&	21.437	N	99.513	W	20				6	CENTRAL MEXICO. <UNM>. MD 3.7 (UNM).
11	16	35	40.8	6.402	S	128.568	E	332		4.1	1.0	26	BANDA SEA
11	17	21	56.2	22.276	N	122.495	E	33	N	4.5	1.3	37	TAIWAN REGION
11	18	38	30.8*	43.227	N	127.516	W	10	G		0.4	40	OFF COAST OF OREGON
11	18	47	32.7&	43.200	N	5.100	E	5				18	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 3.0 (LDG).
11	19	25	36.5&	36.690	N	121.318	W	4				14	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM).
11	19	27	07.7	37.700	N	142.240	E	33	N	5.2 4.8	0.8	139	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.1 (HRV). Felt (III JMA) in eastern Fukushima Prefecture; (II JMA) in parts of Iwate, Miyagi and Tochigi Prefectures. Also felt (I JMA) in Ibaraki, eastern Saitama and eastern Yamagata Prefectures. Centroid, Moment Tensor (HRV): Centroid origin time 19:27:05.8; Lat 37.11 N; Lon 142.26 E; Dep 31.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.77, Plg=62, Azm=18; (N) Val=-0.51, Plg=25, Azm=226; (P) Val=-4.26, Plg=11, Azm=130; Best double couple: Mo=4.5*10**16 Nm; NP1: Strike=192, Dip=40, Slip=48; NP2: Strike=61, Dip=61, Slip=119.
11	19	40	25.3	17.272	S	177.033	W	33	N	5.0 5.2	1.0	81	FIJI ISLANDS REGION. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time

19:40:31.0; Lat 16.82 S; Lon 176.97 W; Dep 18.6; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.39, Plg=11, Azm=269; (N) Val=-0.06, Plg=78, Azm=66; (P) Val=-3.34, Plg=5, Azm=178; Best double couple: Mo=3.4*10**17 Nm; NP1: Strike=313, Dip=79, Slip=175; NP2: Strike=44, Dip=85, Slip=11.

11	19	44	34.7*	16.660	S	177.359	W	33	N	4.9		1.1	26	FIJI ISLANDS REGION
11	20	52	07.9	37.297	N	142.012	E	33	N	4.2		1.0	23	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in eastern Fukushima Prefecture.
11	23	16	47.8&	59.487	N	153.039	W	95					58	SOUTHERN ALASKA. <AEIC>.
12	02	03	20.9*	22.938	N	120.770	E	33	N	4.4		0.8	10	TAIWAN
12	02	10	04.6	50.311	N	19.017	E	5	G			0.9	7	POLAND. ML 3.0 (WAR), 3.0 (VIE).
12	02	47	42.1&	44.090	N	8.080	E	6					8	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
12	02	54	23.8&	17.680	N	68.760	W	62					9	MONA PASSAGE. <MPR>. MD 3.5 (MPR).
12	03	15	25.0?	16.51	S	177.56	W	100	G	3.6		1.0	12	FIJI ISLANDS REGION
12	03	52	13.4&	34.353	S	70.189	W	10					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC).
12	04	28	21.0*	14.504	S	167.350	E	150	G	3.6		1.0	20	VANUATU ISLANDS
12	04	34	59.8*	29.124	N	139.544	E	33	N	3.7		0.3	9	SOUTH OF HONSHU, JAPAN
12	05	02	24.0*	2.960	S	133.835	E	33	N			1.1	9	IRIAN JAYA REGION, INDONESIA
12	05	11	11.3*	13.634	N	91.389	W	33	N	4.2		1.3	34	NEAR COAST OF GUATEMALA. MD 4.6 (UNM).
12	05	17	42.5*	1.598	S	119.407	E	33	N	4.6		1.4	27	SULAWESI, INDONESIA
12	06	11	10.9&	18.140	N	66.700	W	60					9	PUERTO RICO REGION. <MPR>. MD 3.5 (MPR).
12	06	47	41.8&	18.667	N	104.110	W	5					14	NEAR COAST OF JALISCO, MEXICO. <UNM>. MD 4.2 (UNM).
12	07	47	26.9*	16.107	S	173.152	W	33	N	4.0		0.9	17	TONGA ISLANDS
12	08	23	07.0	8.788	N	39.756	W	10	G	5.1	4.5	0.8	161	CENTRAL MID-ATLANTIC RIDGE
12	08	38	42.2?	13.48	N	91.35	W	10	G	4.0		1.1	20	NEAR COAST OF GUATEMALA. MD 4.5 (UNM).
12	08	57	07.9	6.299	N	126.357	E	56	*	5.0		1.2	50	MINDANAO, PHILIPPINE ISLANDS
12	11	00	50.2*	28.275	N	139.101	E	500	G	4.1		1.1	24	BONIN ISLANDS REGION
12	11	49	52.9?	11.74	S	75.77	W	33	N	3.5		0.5	5	CENTRAL PERU
12	12	23	19.5?	2.87	S	142.01	E	33	N	3.3		0.8	7	NEAR N COAST OF NEW GUINEA, PNG.
12	12	38	48.1&	59.893	N	153.870	W	145					60	SOUTHERN ALASKA. <AEIC>.
12	13	19	26.2*	45.675	N	12.778	E	10	G			0.4	9	NORTHERN ITALY. ML 2.9 (VIE).
12	13	33	13.2&	44.899	N	6.614	E	4					19	FRANCE. <GEN>. ML 2.5 (GEN), 2.1 (LDG).
12	13	47	15.6&	60.739	N	151.636	W	74		3.0			97	KENAI PENINSULA, ALASKA. <AEIC>.
12	13	55	35.0	57.729	N	156.619	W	33	N	3.8		1.0	18	ALASKA PENINSULA. ML 3.9 (PMR).
12	14	00	14.4&	39.428	N	29.999	E	10	G				5	TURKEY. <ISK>. MD 2.7 (ISK).
12	14	16	09.1*	36.583	N	70.901	E	217	D	3.9		1.1	15	HINDU KUSH REGION, AFGHANISTAN
12	15	17	47.6*	14.549	S	167.264	E	33	N			0.7	8	VANUATU ISLANDS
12	15	23	55.7	14.256	N	92.757	W	33	N	4.9	4.4	1.0	127	NEAR COAST OF CHIAPAS, MEXICO. Mw 5.1 (HRV). MD 4.9 (UNM). Centroid, Moment Tensor (HRV): Centroid origin time 15:24:01.1; Lat 14.32 N; Lon 93.33 W; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.49, Plg=65, Azm=11; (N) Val=-0.76, Plg=1, Azm=104; (P) Val=-4.73, Plg=25, Azm=195; Best double couple: Mo=5.1*10**16 Nm; NP1: Strike=288, Dip=20, Slip=94; NP2: Strike=103, Dip=70, Slip=88.
12	16	04	21.2	39.037	N	26.161	E	10	G			0.7	12	TURKEY. MD 3.5 (ISK).
12	16	06	40.7?	14.26	N	92.54	W	33	N	3.9		0.6	9	NEAR COAST OF CHIAPAS, MEXICO
12	16	13	11.5?	14.48	N	92.88	W	33	N	3.9		1.3	13	NEAR COAST OF CHIAPAS, MEXICO
12	16	17	18.9&	59.485	N	152.929	W	98					90	SOUTHERN ALASKA. <AEIC>.
12	16	44	59.1	8.375	N	126.727	E	33	N	4.4		0.7	15	MINDANAO, PHILIPPINE ISLANDS
12	17	01	32.9&	44.678	N	8.779	E	1					11	NORTHERN ITALY. <GEN>. ML 2.4 (GEN).
12	17	23	55.7&	53.872	N	164.238	W	37					17	UNIMAK ISLAND REGION. <AEIC>. ML 3.4 (AEIC).
12	17	32	27.4	9.863	N	126.271	E	33	N	4.5		1.0	38	MINDANAO, PHILIPPINE ISLANDS
12	17	54	30.5*	37.788	N	87.827	E	33	N	4.3		0.7	11	SOUTHERN XINJIANG, CHINA
12	18	08	25.8&	40.647	N	29.138	E	7					7	TURKEY. <ISK>. MD 2.7 (ISK).
12	18	53	56.2	58.236	N	142.656	W	10	G			1.0	56	GULF OF ALASKA. ML 3.1 (AEIC).
12	18	57	05.6&	59.162	N	152.023	W	55					64	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
12	19	56	03.5&	44.288	N	7.312	E	14					6	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
12	20	08	31.2&	38.813	N	25.747	E	10					6	AEGEAN SEA. <ISK>. MD 3.2 (ISK).
12	22	15	53.5&	38.933	N	26.141	E	10	G				6	AEGEAN SEA. <ISK>. MD 3.2 (ISK).
12	22	43	16.1&	61.159	N	145.144	W	10					78	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.5 (PMR).
12	22	49	03.0?	17.49	S	176.83	E	33	N	4.4		1.2	10	FIJI ISLANDS REGION
12	22	55	27.2	46.432	N	13.147	E	10	G			1.0	10	AUSTRIA. ML 2.2 (VIE).
12	23	33	00.1*	6.938	N	72.846	W	156	*	3.6		1.0	9	NORTHERN COLOMBIA
13	00	05	44.5*	13.893	N	144.592	E	139		4.4		0.9	26	MARIANA ISLANDS. Felt (III) on Saipan.
13	00	16	46.4?	8.56	S	128.71	E	150	G	4.4		0.9	10	TIMOR SEA
13	00	23	21.5&	62.081	N	149.968	W	48		4.2			112	CENTRAL ALASKA. <AEIC>. ML 4.2 (AEIC), 4.2 (PMR). Felt strongly at Talkeetna. Also felt in the Palmer-Wasilla area.
13	00	41	03.3&	40.688	N	29.740	E	5					8	TURKEY. <ISK>. MD 2.9 (ISK).
13	00	44	19.4	22.712	S	66.120	W	247		5.1		0.9	155	JUJUY PROVINCE, ARGENTINA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:44:25.5; Lat 22.67 S; Lon 66.17 W; Dep 253.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.96, Plg=51, Azm=107; (N) Val=0.01, Plg=18, Azm=353; (P) Val=-9.97, Plg=33, Azm=251; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=292, Dip=20, Slip=28; NP2: Strike=176, Dip=81, Slip=108.
13	01	52	01.4&	44.288	N	7.669	E	6					17	NORTHERN ITALY. <GEN>. ML 2.5 (LDG), 2.3 (GEN).
13	02	03	56.3&	45.500	N	6.000	E	2					8	FRANCE. <LDG>. ML 2.0 (LDG).
13	02	42	43.6*	63.882	N	147.731	W	33	N			1.0	7	CENTRAL ALASKA. ML 2.5 (PMR).
13	02	54	50.2	41.718	N	19.243	E	10	G			0.6	16	ALBANIA. ML 3.0 (ROM).
13	03	33	34.2*	14.909	S	174.262	W	33	N	3.9		0.7	12	SAMOA ISLANDS REGION
13	03	49	52.8?	15.22	N	146.47	E	140	?	3.5		1.1	7	MARIANA ISLANDS
13	04	22	12.7	34.849	S	70.696	W	112	D	4.7		1.2	52	CHILE-ARGENTINA BORDER REGION. Felt (IV) at Rancagua and Santiago; (III) at San Antonio and San Fernando; (II) at Colbun, Curico, Hualane, Licanten, San Javier, Talca, Villa Alegre and Vina del Mar, Chile.
13	04	22	38.8&	15.969	N	97.889	W	5					10	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.1 (UNM).
13	04	39	06.1&	43.100	N	10.900	E	2					21	CENTRAL ITALY. <LDG>. ML 2.9 (LDG), 2.5 (VIE).
13	05	05	23.0&	37.611	N	118.868	W	4					12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
13	05	24	37.5	14.368	N	92.901	W	33	N	5.2	5.0	1.1	208	NEAR COAST OF CHIAPAS, MEXICO. Mw 5.5 (GS), 5.5 (HRV). MD

												5.2 (UNM). Moment Tensor (GS): Dep 9; Principal axes (scale 10**17 Nm): (T) Val=2.07, Plg=69, Azm=28; (N) Val=0.05, Plg=5, Azm=285; (P) Val=-2.11, Plg=20, Azm=193; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=274, Dip=25, Slip=78; NP2: Strike=107, Dip=66, Slip=96. Centroid, Moment Tensor (HRV): Centroid origin time 05:24:38.2; Lat 14.11 N; Lon 93.38 W; Dep 17.4; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.87, Plg=65, Azm=30; (N) Val=-0.05, Plg=2, Azm=295; (P) Val=-1.82, Plg=25, Azm=204; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=289, Dip=20, Slip=84; NP2: Strike=116, Dip=70, Slip=92.
13	05	30	42.7&	39.473	N	27.972	E	14			6	TURKEY. <ISK>. MD 2.7 (ISK).
13	05	34	12.5*	14.523	N	92.714	W	33	N	4.7	1.1 48	NEAR COAST OF CHIAPAS, MEXICO
13	05	37	01.0&	40.200	N	26.603	E	10	G		6	TURKEY. <ISK>. MD 2.9 (ISK).
13	06	20	01.3	17.633	S	178.463	W	500	G	4.4	0.8 45	FIJI ISLANDS REGION
13	06	33	36.6?	37.53	N	13.63	W	10	G		0.6 22	NORTH ATLANTIC OCEAN. mbLg 3.1 (MDD).
13	06	57	26.6&	31.445	S	122.461	E	10	G	3.3	0.6 7	WESTERN AUSTRALIA
13	07	26	07.8&	58.958	N	153.627	W	87		4.3	136	KODIAK ISLAND REGION. <AEIC>.
13	07	44	10.4&	37.562	N	118.849	W	10			11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.0 (GS).
13	08	12	33.1&	10.768	N	62.410	W	50			6	NEAR COAST OF VENEZUELA. <TRN>. MD 3.5 (TRN).
13	09	03	23.8*	2.974	S	142.050	E	33	N		1.3 8	NEAR N COAST OF NEW GUINEA, PNG.
13	09	45	32.1&	39.552	N	29.533	E	10			6	TURKEY. <ISK>. MD 2.6 (ISK).
13	10	05	19.9*	7.475	N	72.045	W	33	N	4.2	0.9 21	NORTHERN COLOMBIA
13	10	35	00.0&	48.600	N	0.800	W	2			11	FRANCE. <LDG>. ML 2.4 (LDG).
13	11	04	32.9&	44.500	N	7.600	E	2			4	NORTHERN ITALY. <LDG>. ML 2.3 (LDG).
13	11	09	08.8*	46.241	N	15.721	E	10	G		0.4 5	NORTHWESTERN BALKAN REGION. ML 1.9 (VIE), 1.5 (LJU).
13	11	17	47.2*	9.098	S	111.968	E	105	*	3.4	1.0 13	SOUTH OF JAWA, INDONESIA
13	12	00	38.7&	46.211	N	15.791	E	10	G		0.7 5	NORTHWESTERN BALKAN REGION. ML 1.4 (LJU).
13	12	57	39.5&	60.987	N	151.369	W	87			47	KENAI PENINSULA, ALASKA. <AEIC>.
13	13	04	01.4&	37.754	N	122.115	W	12			14	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK).
13	13	14	37.5	45.612	N	26.299	E	154	D	5.0	1.0 288	ROMANIA. Mw 5.2 (HRV). Felt (IV) at Cahul, Chisinau and Leova, Moldova. Centroid, Moment Tensor (HRV): Centroid origin time 13:14:42.6; Lat 45.61 N Fix; Lon 26.30 E Fix; Dep 151.2; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.82, Plg=57, Azm=310; (N) Val=1.25, Plg=1, Azm=42; (P) Val=-8.07, Plg=33, Azm=133; Best double couple: Mo=7.4*10**16 Nm; NP1: Strike=227, Dip=12, Slip=96; NP2: Strike=42, Dip=78, Slip=89.
13	13	25	38.5*	1.408	S	14.345	W	10	G	4.6	1.5 18	NORTH OF ASCENSION ISLAND
13	13	26	27.0*	37.638	N	134.755	E	403		3.2	0.9 11	SEA OF JAPAN
13	13	27	10.7*	14.121	N	92.981	W	33	N	4.1	1.1 22	NEAR COAST OF CHIAPAS, MEXICO
13	13	50	53.8&	17.431	N	97.375	W	71			11	OAXACA, MEXICO. <UNM>. MD 4.3 (UNM).
13	14	00	48.2*	45.865	S	72.532	W	33	N	4.9	1.0 35	SOUTHERN CHILE
13	14	18	10.2	6.375	N	126.561	E	33	N	4.7	1.1 44	MINDANAO, PHILIPPINE ISLANDS
13	14	19	44.6?	52.62	N	168.26	W	33	N	3.6	1.2 8	FOX ISLANDS, ALEUTIAN ISLANDS
13	14	42	26.2*	42.242	N	21.257	E	10	G		0.7 6	NORTHWESTERN BALKAN REGION. Felt (IV) in the Skopje area.
13	14	44	36.1?	28.86	N	130.21	E	139	?	3.1	0.8 7	RYUKYU ISLANDS
13	14	47	38.9&	38.808	N	122.804	W	4			16	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK), 3.1 (GS). Felt strongly at Cobb.
13	14	57	43.2	18.485	N	102.555	W	46		4.4	1.2 71	MICHOACAN, MEXICO. MD 4.7 (UNM).
13	15	03	20.6?	36.68	N	141.88	E	33	N		0.5 5	NEAR EAST COAST OF HONSHU, JAPAN
13	15	14	56.8	45.594	N	14.199	E	10	G		1.2 166	NORTHWESTERN BALKAN REGION. ML 5.2 (GRF), 5.0 (FUR), 4.9 (VIE), 4.6 (FBB), 4.6 (LDG). Felt (V) at Ilirska Bistrica, Slovenia. Felt throughout Slovenia. Felt at Rijeka and Zagreb, Croatia and Trieste, Italy. Also felt in Karnten and eastern Tirol, Austria.
13	15	16	48.9&	40.203	N	29.244	E	10	G		4	TURKEY. <ISK>. MD 2.4 (ISK).
13	15	21	10.8	45.599	N	14.234	E	10	G		0.3 7	NORTHWESTERN BALKAN REGION. ML 3.2 (VIE).
13	15	24	27.8&	39.613	N	29.534	E	10	G		5	TURKEY. <ISK>. MD 2.6 (ISK).
13	15	29	06.9*	24.679	N	62.231	E	33	N	3.8	1.0 11	OFF COAST OF PAKISTAN
13	16	25	49.0*	15.399	S	177.953	W	405	*	3.6	0.4 17	FIJI ISLANDS REGION
13	16	48	29.6&	65.167	N	148.438	W	18			7	NORTHERN ALASKA. <AEIC>. ML 2.1 (AEIC), 2.7 (PMR).
13	17	18	38.2	5.606	S	130.846	E	44		4.8	1.0 51	BANDA SEA
13	19	12	10.0&	44.278	N	7.408	E	16			13	NORTHERN ITALY. <GEN>. ML 2.1 (GEN), 1.8 (LDG).
13	19	34	29.9*	19.337	S	177.904	W	500	G	4.0	0.7 17	FIJI ISLANDS REGION
13	20	19	19.0&	48.804	N	121.738	W	28			7	WASHINGTON. <SEA-P>. MD 2.7 (SEA).
13	20	23	26.2*	34.900	N	23.400	E	33	N		0.9 10	CRETE
13	21	08	13.7&	34.015	N	116.780	W	15			27	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
13	21	21	47.3?	6.04	S	128.12	E	432	?	4.2	1.3 12	BANDA SEA
13	22	25	01.1&	8.932	N	80.382	W	0			6	PANAMA. <UPA>. MD 3.3 (UPA).
13	23	07	29.0	43.111	N	18.181	E	10	G	4.0	1.4 144	NORTHWESTERN BALKAN REGION. ML 4.1 (ROM). Some damage at Nevesinje, Bosnia and Herzegovina. Felt in southwestern Bosnia and Herzegovina. Also felt at Dubrovnik, Croatia.
13	23	28	36.9*	15.495	N	94.235	E	33	N	3.6	0.6 6	NEAR SOUTH COAST OF MYANMAR
14	01	09	52.3&	45.508	N	14.165	E	5	G		0.4 5	NORTHWESTERN BALKAN REGION. ML 1.6 (LJU).
14	01	42	25.1?	23.86	S	179.62	E	600	G	4.2	0.7 13	SOUTH OF FIJI ISLANDS
14	01	51	38.2	12.835	N	143.329	E	112	*	4.9	1.1 63	SOUTH OF MARIANA ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:51:40.0; Lat 13.00 N; Lon 143.46 E; Dep 92.4; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.12, Plg=41, Azm=124; (N) Val=3.95, Plg=12, Azm=24; (P) Val=-9.07, Plg=46, Azm=280; Best double couple: Mo=7.1*10**16 Nm; NP1: Strike=281, Dip=12, Slip=-12; NP2: Strike=23, Dip=87, Slip=-102.
14	02	17	05.6&	60.047	N	152.842	W	90			67	SOUTHERN ALASKA. <AEIC>.
14	02	37	08.5	6.273	S	145.717	E	123		4.1	0.9 29	NEW GUINEA, PAPUA NEW GUINEA
14	03	21	02.1	55.684	N	160.996	E	100	G	4.3	1.1 36	KAMCHATKA
14	03	48	05.9	9.818	N	126.131	E	100	G	4.8	1.2 58	MINDANAO, PHILIPPINE ISLANDS
14	03	55	50.7	9.800	N	126.200	E	127	*	4.5	1.1 36	MINDANAO, PHILIPPINE ISLANDS

14	04	41	41.2&	61.127	N	152.298	W	125				64	SOUTHERN ALASKA. <AEIC>.
14	05	10	22.4&	19.540	N	63.590	W	66		3.7		17	LEEWARD ISLANDS. <MPR>. MD 4.1 (MPR).
14	05	10	48.6*	8.584	N	127.179	E	33	N	4.1	1.4	12	PHILIPPINE ISLANDS REGION
14	05	37	20.6&	42.890	N	0.250	E	6				45	PYRENEES. <STR>. ML 3.4 (LDG). mbLg 2.7 (MDD). Felt (III) in the Bigorre region, France.
14	06	24	54.2*	7.837	N	70.775	W	33	N	4.1	1.2	8	VENEZUELA
14	07	33	05.3*	27.576	S	119.797	E	33	N		1.2	7	WESTERN AUSTRALIA
14	08	33	25.5*	42.296	S	88.520	E	10	G	4.7	1.2	20	SOUTHEAST INDIAN RIDGE
14	09	05	18.8&	38.128	N	28.679	E	10	G			7	TURKEY. <ISK>. MD 3.0 (ISK).
14	09	35	08.7&	43.100	N	0.200	E	2				5	FRANCE. <LDG>. ML 2.6 (LDG).
14	09	54	35.4	11.426	S	165.474	E	33	N	5.0 4.8	1.0	74	SANTA CRUZ ISLANDS
14	10	10	18.9&	15.636	N	99.223	W	7				11	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 4.1 (UNM).
14	10	52	27.9&	37.377	N	122.266	W	10				12	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 3.0 (BRK).
14	11	29	35.0	42.005	S	88.345	E	10	G	5.0	0.8	24	SOUTHEAST INDIAN RIDGE. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:29:43.1; Lat 41.81 S; Lon 88.08 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.92, Plg=1, Azm=354; (N) Val=-0.23, Plg=71, Azm=262; (P) Val=-1.69, Plg=19, Azm=84; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=127, Dip=76, Slip=-13; NP2: Strike=221, Dip=77, Slip=-166.
14	11	37	28.7&	47.700	N	2.800	W	2				6	FRANCE. <LDG>. ML 1.8 (LDG).
14	11	44	14.2*	36.392	N	70.910	E	150	G	3.7	1.2	16	HINDU KUSH REGION, AFGHANISTAN
14	11	47	00.8	37.153	N	142.805	E	33	N	4.9 5.0	1.0	98	OFF EAST COAST OF HONSHU, JAPAN
14	12	44	43.0&	43.540	N	6.680	W	0	G			8	SPAIN. <MDD>. mbLg 2.6 (MDD).
14	13	12	46.9&	63.321	N	152.006	W	1				67	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.7 (PMR).
14	14	06	42.9*	39.736	N	73.717	E	33	N	3.6	1.3	13	TAJIKISTAN-XINJIANG BORDER REG.
14	14	35	16.5	9.362	S	75.686	W	33	N	4.7	0.9	79	CENTRAL PERU
14	15	33	21.4*	28.257	N	53.074	E	33	N	4.0	1.0	21	SOUTHERN IRAN
14	16	00	57.8&	40.196	N	29.077	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
14	16	13	05.5*	42.841	N	12.276	E	10	G		1.3	12	CENTRAL ITALY
14	16	38	17.4	6.247	S	154.750	E	33	N	4.3	1.0	31	SOLOMON ISLANDS
14	17	03	32.8	58.612	N	157.514	E	33	N	4.5 4.3	1.0	67	KAMCHATKA
14	17	27	08.8	47.217	N	9.495	E	5	G		1.0	17	GERMANY. ML 2.3 (LDG), 2.3 (VIE), 2.1 (FBB).
14	17	28	17.8*	0.408	S	20.025	W	10	G	4.1	1.4	15	CENTRAL MID-ATLANTIC RIDGE
14	17	47	23.0&	12.133	N	44.023	E	12				5	WESTERN ARABIAN PENINSULA. <ARO>. ML 3.6 (ARO).
14	18	33	31.8	7.517	S	156.133	E	74	*	5.0	1.0	79	SOLOMON ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:33:34.1; Lat 7.46 S; Lon 156.16 E; Dep 22.0 Bdy; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.55, Plg=84, Azm=50; (N) Val=0.02, Plg=2, Azm=303; (P) Val=-1.57, Plg=6, Azm=212; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=300, Dip=39, Slip=87; NP2: Strike=124, Dip=51, Slip=92.
14	18	52	58.9*	22.681	N	121.795	E	33	N	4.0	1.0	9	TAIWAN REGION
14	19	14	27.9*	36.301	S	72.983	W	33	N	3.6	1.5	8	NEAR COAST OF CENTRAL CHILE
14	19	40	27.0	30.154	N	57.605	E	9	G	5.9 6.9	1.2	395	NORTHERN IRAN. Mw 6.6 (GS), 6.6 (HRV). Me 6.6 (GS). Five people killed, 50 injured, 10,000 homeless, 2,000 houses destroyed, 1,200 livestock killed and utilities disrupted in the Golbaf area. Felt at Baft and Kerman. Broadband Source Parameters (GS): Dep 9; NP1: Strike=70, Dip=88, Slip=-30; NP2: Strike=161, Dip=60, Slip=-178; Radiated energy 1.7*10**14 Nm. Moment Tensor (GS): Dep 8; Principal axes (scale 10**18 Nm): (T) Val=7.66, Plg=21, Azm=106; (N) Val=0.03, Plg=58, Azm=234; (P) Val=-7.70, Plg=23, Azm=6; Best double couple: Mo=7.7*10**18 Nm; NP1: Strike=146, Dip=58, Slip=-179; NP2: Strike=56, Dip=89, Slip=-32. Centroid, Moment Tensor (HRV): Centroid origin time 19:40:34.2; Lat 29.95 N; Lon 57.60 E; Dep 15.0 Fix; Half-duration 5.0 sec; Principal axes (scale 10**19 Nm): (T) Val=1.07, Plg=19, Azm=112; (N) Val=-0.26, Plg=57, Azm=233; (P) Val=-0.81, Plg=27, Azm=12; Best double couple: Mo=9.4*10**18 Nm; NP1: Strike=154, Dip=57, Slip=-174; NP2: Strike=61, Dip=85, Slip=-33. Scalar Moment (PPT): Mo=1.3*10**19 Nm.
14	19	49	10.6&	43.900	N	6.800	E	7				7	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.2 (LDG).
14	19	56	04.4&	43.996	N	8.744	E	3				9	CORSICA. <GEN>. ML 2.0 (GEN).
14	20	21	49.0?	30.36	N	57.66	E	10	G	3.7	1.2	8	NORTHERN IRAN
14	21	10	06.5&	45.600	N	3.700	E	5				28	FRANCE. <LDG>. ML 2.8 (LDG).
14	21	57	40.6*	30.097	N	57.773	E	10	G	4.1	1.3	21	NORTHERN IRAN
14	23	31	53.7?	33.80	S	179.39	W	100	G	4.5	1.2	18	SOUTH OF KERMADEC ISLANDS
14	23	34	22.7*	30.184	N	57.378	E	10	G	4.0	1.5	14	NORTHERN IRAN
14	23	39	25.7&	58.555	N	155.536	W	150		3.3		85	ALASKA PENINSULA. <AEIC>.
15	00	00	13.1	46.087	N	13.050	E	5	G		1.0	18	AUSTRIA. ML 2.7 (VIE), 2.7 (GRF), 2.1 (LJU).
15	00	07	26.3&	60.614	N	150.979	W	60				64	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
15	00	07	52.9?	30.09	N	57.74	E	10	G	4.4	1.4	34	NORTHERN IRAN
15	00	17	47.6&	15.964	N	98.271	W	5				9	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
15	00	44	44.1?	11.43	S	165.54	E	33	N	4.2	1.3	11	SANTA CRUZ ISLANDS
15	01	56	15.1&	37.378	N	29.026	E	9	G			6	TURKEY. <ISK>. MD 3.1 (ISK).
15	02	01	50.6&	19.517	N	100.342	W	15				26	MICHOACAN, MEXICO. <UNM>. MD 4.2 (UNM).
15	02	02	20.8&	61.413	N	146.651	W	13				64	SOUTHERN ALASKA. <AEIC>. ML 2.4 (AEIC).
15	02	35	26.0&	45.200	N	6.500	E	2				6	FRANCE. <LDG>. ML 1.8 (LDG).
15	02	39	18.9*	35.025	S	15.209	W	10	G	4.8	0.9	12	TRISTAN DA CUNHA REGION
15	03	00	34.5&	60.232	N	152.507	W	80				70	SOUTHERN ALASKA. <AEIC>.
15	03	41	40.0*	29.992	N	41.948	W	10	G	3.8	0.9	8	NORTHERN MID-ATLANTIC RIDGE
15	04	11	35.9&	15.921	N	98.265	W	5		3.4		19	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 4.1 (UNM).
15	04	37	39.1&	41.050	N	27.984	E	5				4	TURKEY. <ISK>. MD 2.7 (ISK).
15	06	35	01.8&	15.948	N	98.291	W	5				24	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 4.4 (UNM).
15	06	35	56.1*	31.247	N	140.313	E	33	N	4.0	1.1	12	SOUTH OF HONSHU, JAPAN
15	06	50	29.7&	36.829	N	121.550	W	5				11	CENTRAL CALIFORNIA. <GM-P>. ML 3.0 (GS). Two events about 27 seconds apart. Hypocenter is for the first event and magnitude for the second and larger event.

15	06	56	46.0&	36.430	N	89.520	W	5					11	NEW MADRID, MISSOURI REGION. <TEIC>. MD 2.5 (TEIC). mbLg 2.6 (GS).
15	06	58	10.1?	15.91	S	72.84	W	113	D			0.6	8	SOUTHERN PERU
15	07	15	29.9&	47.300	N	2.700	E	2					5	FRANCE. <LDG>. ML 1.6 (LDG).
15	07	36	49.2&	44.313	N	7.400	E	19					30	NORTHERN ITALY. <GEN>. ML 2.7 (GEN), 2.4 (LDG).
15	08	00	15.3&	9.303	N	80.434	W	55					5	PANAMA. <UPA>. MD 3.1 (UPA).
15	08	08	21.3	6.954	N	127.183	E	33	N	4.4		1.0	22	PHILIPPINE ISLANDS REGION
15	08	30	06.7*	42.532	N	12.543	E	10	G			1.3	16	CENTRAL ITALY. ML 3.2 (LDG).
15	08	41	11.7&	37.040	N	3.760	W	38					8	SPAIN. <MDD>.
15	09	13	32.6&	18.020	N	67.650	W	5					4	MONA PASSAGE. <MPR>. MD 2.4 (MPR).
15	09	56	21.4&	59.508	N	149.639	W	48					60	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
15	10	03	33.7&	18.300	N	66.210	W	62					5	PUERTO RICO REGION. <MPR>. MD 2.6 (MPR).
15	11	26	16.2*	14.910	S	167.398	E	100	G	3.9		1.1	37	VANUATU ISLANDS
15	12	18	02.7?	6.99	S	155.85	E	33	N	3.8		1.5	10	SOLOMON ISLANDS
15	14	47	08.6&	15.944	N	98.330	W	5					15	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 4.1 (UNM).
15	16	12	23.6&	18.220	N	66.550	W	28					5	PUERTO RICO REGION. <MPR>. MD 2.5 (MPR).
15	16	14	58.2&	43.000	N	0.300	E	13					5	FRANCE. <LDG>. ML 2.3 (LDG).
15	16	33	10.5	20.018	S	68.861	W	117	D	4.4		1.1	31	CHILE-BOLIVIA BORDER REGION
15	16	42	53.0	10.146	N	121.320	E	33	N	4.7	4.5	1.3	58	PANAY, PHILIPPINE ISLANDS
15	17	14	54.3&	63.027	N	151.106	W	122					59	CENTRAL ALASKA. <AEIC>.
15	19	28	37.5&	35.880	N	1.650	W	1					8	NORTHERN ALGERIA. <MDD>. mbLg 2.8 (MDD).
15	19	31	25.8	4.222	N	95.756	E	100	G	4.4		1.1	23	NORTHERN SUMATERA, INDONESIA
15	20	35	29.3*	28.554	N	86.886	E	33	N	4.4		1.0	14	XIZANG
15	21	16	13.3*	8.954	N	93.809	E	100	G	4.0		1.4	11	NICOBAR ISLANDS, INDIA
15	21	45	26.4&	59.626	N	153.079	W	100					38	SOUTHERN ALASKA. <AEIC>.
15	22	08	23.5?	20.25	S	177.75	W	500	G	3.7		0.7	10	FIJI ISLANDS REGION
15	22	17	40.0&	13.483	N	92.532	W	61		4.2			14	OFF COAST OF CHIAPAS, MEXICO. <UNM>. MD 4.4 (UNM).
15	22	19	11.2&	13.703	N	93.326	W	16		4.5			41	OFF COAST OF CHIAPAS, MEXICO. <UNM>. MD 4.7 (UNM).
15	23	10	38.9&	37.571	N	38.255	E	10	G				4	TURKEY. <ISK>. MD 3.9 (ISK).
15	23	15	11.8&	45.900	N	3.400	E	2					7	FRANCE. <LDG>. ML 1.4 (LDG).
16	00	04	09.7&	59.991	N	153.810	W	146					103	SOUTHERN ALASKA. <AEIC>.
16	00	13	26.3?	23.44	S	179.91	E	600	G	4.2		0.8	17	SOUTH OF FIJI ISLANDS
16	00	28	00.5	16:958	N	94.099	W	178	D			1.3	33	OAXACA, MEXICO. MD 4.8 (UNM).
16	00	36	01.2	11.165	S	111.151	E	33	N			0.7	6	SOUTH OF JAWA, INDONESIA. MD 4.5 (DJA).
16	00	39	21.1*	3.395	S	139.406	E	50	G	3.9		1.2	12	IRIAN JAYA, INDONESIA
16	01	26	31.2&	61.907	N	150.914	W	0					80	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
16	04	16	13.8*	30.275	N	57.568	E	10	G	4.1		1.2	16	NORTHERN IRAN
16	04	31	34.8*	36.389	N	71.173	E	269	*	3.5		1.3	13	AFGHANISTAN-TAJIKISTAN BORD REG.
16	04	33	54.3&	37.627	N	118.854	W	10					17	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
16	05	27	34.3&	37.972	N	112.496	W	5	G	3.1			35	UTAH. <SLC-P>. ML 3.7 (SLC). Felt at Kanarraville and Panguitch.
16	05	33	10.5	58.337	N	157.580	E	33	N	4.6	4.3	1.1	57	KAMCHATKA
16	05	36	14.7&	62.591	N	149.446	W	61					9	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.8 (PMR).
16	06	22	55.9*	44.625	N	148.474	E	57	D	3.9		1.2	12	KURIL ISLANDS
16	06	27	25.3&	35.440	S	71.334	W	113					14	CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
16	07	46	43.9?	42.73	N	12.51	E	10	G			0.9	9	CENTRAL ITALY. ML 2.9 (LDG).
16	07	49	33.6?	42.66	N	12.45	E	10	G			1.5	8	CENTRAL ITALY. ML 3.0 (LDG).
16	08	02	15.0&	31.425	S	70.112	W	174					14	CHILE-ARGENTINA BORDER REGION. <GUC>.
16	08	08	53.0&	37.625	N	118.855	W	10					20	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM).
16	09	03	06.7?	36.37	N	70.69	E	241	?			1.4	7	HINDU KUSH REGION, AFGHANISTAN
16	09	14	51.9&	33.435	N	116.422	W	4					24	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
16	10	18	07.5*	22.249	S	69.098	W	10	G			0.2	5	NORTHERN CHILE
16	10	35	02.0?	26.92	N	89.68	E	33	N	3.8		1.3	6	INDIA-BANGLADESH BORDER REGION
16	11	32	42.2*	16.130	S	175.948	W	350	G	3.7		0.5	11	TONGA ISLANDS
16	14	18	29.6&	37.649	N	118.848	W	8					10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
16	14	45	32.8&	37.648	N	118.848	W	8					16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK).
16	15	22	27.3*	57.646	N	142.911	W	10	G			0.6	13	GULF OF ALASKA. ML 2.5 (AEIC).
16	15	24	13.6*	8.293	S	119.617	E	188	*	4.2		0.9	15	FLORES REGION, INDONESIA
16	15	41	17.6?	9.76	N	126.08	E	33	N	4.2		0.6	8	MINDANAO, PHILIPPINE ISLANDS
16	15	51	12.8&	16.157	N	97.422	W	16					19	OAXACA, MEXICO. <UNM>. MD 4.3 (UNM).
16	16	41	40.6	49.437	N	156.007	E	61	D	5.7		0.8	440	KURIL ISLANDS. Mw 5.4 (GS), 5.4 (HRV). Felt (III) at Severo-Kurilsk. Moment Tensor (GS): Dep 47; Principal axes (scale 10**17 Nm): (T) Val=1.51, Plg=86, Azm=71; (N) Val=-0.04, Plg=0, Azm=335; (P) Val=-1.47, Plg=4, Azm=245; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=335, Dip=41, Slip=89; NP2: Strike=156, Dip=49, Slip=91. Centroid, Moment Tensor (HRV): Centroid origin time 16:41:41.0; Lat 49.33 N; Lon 156.24 E; Dep 55.4; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.48, Plg=72, Azm=347; (N) Val=-0.22, Plg=14, Azm=127; (P) Val=-1.26, Plg=11, Azm=219; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=327, Dip=36, Slip=114; NP2: Strike=117, Dip=58, Slip=73.
16	16	44	50.8&	38.660	N	1.120	W	0	G				11	SPAIN. <MDD>. mbLg 2.6 (MDD). Felt (II) at Yecla.
16	16	46	50.5*	36.307	N	70.216	E	232	*	4.1		0.8	20	HINDU KUSH REGION, AFGHANISTAN
16	17	07	49.8&	37.650	N	118.852	W	12					13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.2 (GS). Small precursor about 4 seconds prior to this event.
16	17	46	03.0?	22.14	S	178.35	W	450	G	4.1		1.1	18	SOUTH OF FIJI ISLANDS
16	17	59	16.6&	18.130	N	67.990	W	109					5	MONA PASSAGE. <MPR>. MD 3.2 (MPR).
16	18	47	20.0?	53.30	N	169.45	W	117	?			1.5	6	FOX ISLANDS, ALEUTIAN ISLANDS
16	19	21	20.7&	31.737	S	70.303	W	126					13	CHILE-ARGENTINA BORDER REGION. <GUC>.
16	19	55	25.5&	63.081	N	151.104	W	10					8	CENTRAL ALASKA. <AEIC>. ML 2.2 (AEIC), 2.7 (PMR).
16	20	29	43.2*	30.173	N	57.586	E	10	G	3.9		1.2	14	NORTHERN IRAN
16	21	29	51.5?	6.99	N	73.14	W	152	*	4.3		1.3	15	NORTHERN COLOMBIA
16	23	03	37.4	37.070	N	141.181	E	52	D	4.7		1.1	55	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in eastern Fukushima, southern Miyagi and western Tochigi; (I JMA) in much of Ibaraki, northern Chiba, northern Miyagi and eastern Saitama Prefectures.
16	23	16	18.1*	34.397	N	45.120	E	152	*	4.3		1.1	34	IRAN-IRAQ BORDER REGION
17	00	38	59.3*	16.579	S	72.871	W	74	*	4.2		0.9	20	NEAR COAST OF PERU. Felt (II) at Arequipa.
17	01	39	49.3&	38.822	N	122.804	W	5					27	NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.5 (BRK).

17	01	42	04.2&	44.400	N	7.200	E	2				22	NORTHERN ITALY. <LDG>. ML 2.4 (GEN), 2.1 (LDG).
17	02	00	00.5	8.690	S	118.363	E	129 *	4.3		1.0	19	SUMBAWA REGION, INDONESIA
17	02	19	57.7?	20.75	S	11.27	W	10 G			1.4	11	SOUTHERN MID-ATLANTIC RIDGE
17	02	41	36.1	30.621	S	179.857	W	450 G	4.8		1.1	48	KERMADEC ISLANDS REGION
17	02	48	53.7&	42.600	N	1.000	E	2				11	PYRENEES. <LDG>. ML 2.5 (LDG). mbLg 2.1 (MDD).
17	02	57	53.8*	19.721	S	176.473	W	300 G	4.0		1.0	33	FIJI ISLANDS REGION
17	03	07	41.2*	52.792	S	100.157	E	10 G	4.7		1.0	25	SOUTHEAST INDIAN RIDGE
17	03	15	35.9*	53.750	N	35.304	W	10 G	4.3		1.0	16	NORTH ATLANTIC OCEAN
17	03	28	30.8&	33.454	S	70.986	W	68				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
17	04	15	53.1?	23.61	S	66.82	W	236 ?			0.6	6	JUJUY PROVINCE, ARGENTINA
17	04	24	23.6	3.520	S	138.178	E	73	4.7		1.1	63	IRIAN JAYA, INDONESIA
17	04	44	18.1	6.144	N	94.914	E	33 N	4.3		1.0	23	NICOBAR ISLANDS, INDIA
17	04	53	12.7*	30.324	N	56.953	E	33 N	3.5		1.1	8	NORTHERN IRAN
17	05	03	44.6&	46.800	N	6.700	E	2				9	SWITZERLAND. <LDG>. ML 2.0 (LDG).
17	05	49	13.1*	12.832	N	123.655	E	33 N	3.7		1.1	10	LUZON, PHILIPPINE ISLANDS
17	06	18	25.0&	33.933	S	72.042	W	15				10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
17	06	27	05.0	43.840	N	56.465	W	10 G	4.3		0.9	37	NORTH ATLANTIC OCEAN
17	06	29	16.7&	32.175	S	71.521	W	35				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
17	07	52	41.4*	35.823	N	141.198	E	33 N	4.4		0.7	8	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in northern Chiba Prefecture.
17	09	44	05.9	46.406	N	15.025	E	10 G			0.9	7	NORTHWESTERN BALKAN REGION. ML 2.3 (VIE).
17	09	46	53.0?	26.16	S	176.43	W	33 N	4.1		1.4	13	SOUTH OF FIJI ISLANDS
17	10	03	28.2*	3.907	S	77.146	W	100 G	4.0		1.1	13	PERU-ECUADOR BORDER REGION
17	10	10	27.5*	18.105	S	69.332	W	137 *	4.2		1.0	17	NORTHERN CHILE
17	10	25	09.6&	18.950	N	64.450	W	42				7	VIRGIN ISLANDS. <MPR>. MD 3.7 (MPR).
17	11	17	11.4	9.059	S	123.751	E	33 N	3.8		1.3	17	TIMOR REGION, INDONESIA
17	11	47	50.5	32.531	N	132.451	E	33 N			0.4	8	SHIKOKU, JAPAN
17	12	07	07.7&	31.962	S	68.485	W	0				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 4.5 (GUC).
17	13	10	59.2*	30.314	S	176.542	W	33 N	4.5		1.4	26	KERMADEC ISLANDS REGION
17	13	36	32.2&	18.860	N	64.400	W	49	3.8			14	VIRGIN ISLANDS. <MPR>. MD 4.0 (MPR).
17	13	53	23.9&	15.877	N	98.268	W	18				17	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
17	14	02	37.7	8.893	S	124.007	E	54 *	4.2		1.3	24	TIMOR REGION, INDONESIA
17	14	03	09.7&	36.910	N	28.683	E	5				4	DODECANESE ISLANDS. <ISK>. MD 3.0 (ISK).
17	15	11	07.5&	44.400	N	7.400	E	5				25	NORTHERN ITALY. <LDG>. ML 2.7 (LDG), 2.4 (GEN).
17	15	27	30.6&	44.098	N	8.126	E	9				4	NORTHERN ITALY. <GEN>. ML 1.4 (GEN).
17	16	13	32.3&	32.279	S	117.390	E	10 G			0.1	5	WESTERN AUSTRALIA
17	16	15	46.9?	28.41	N	56.24	E	10 G	3.7		1.6	14	SOUTHERN IRAN
17	16	26	08.8&	32.249	S	71.723	W	29				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
17	16	49	38.8?	9.30	S	110.01	E	10 G	3.6		0.8	9	SOUTH OF JAWA, INDONESIA
17	17	05	22.6&	30.758	S	71.935	W	33 N				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
17	17	27	01.2&	45.900	N	1.000	E	2				4	FRANCE. <LDG>. ML 2.1 (LDG).
17	17	29	17.4&	17.362	N	100.823	W	28				8	GUERRERO, MEXICO. <UNM>. MD 3.8 (UNM).
17	18	00	17.3&	16.301	N	98.364	W	9	3.4			22	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.1 (UNM).
17	18	41	14.4*	51.652	N	175.227	W	33 N	4.4		1.0	23	ANDREANOF ISLANDS, ALEUTIAN IS.
17	19	14	36.7*	6.953	S	129.640	E	150 G	3.8		1.3	12	BANDA SEA
17	19	38	05.5*	14.413	S	167.306	E	33 N	4.4		1.3	63	VANUATU ISLANDS
17	20	36	18.3&	37.623	N	118.913	W	5				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
17	21	04	49.5*	53.359	N	153.471	E	500 G	4.1		1.1	13	SEA OF OKHOTSK
17	21	17	35.4&	40.778	N	29.952	E	7				8	TURKEY. <ISK>. MD 3.1 (ISK).
17	21	18	48.6*	15.502	S	167.626	E	100 G	4.6		1.0	58	VANUATU ISLANDS
17	21	45	35.2&	55.233	N	160.951	W	67	4.4			34	ALASKA PENINSULA. <AEIC>. ML 4.3 (AEIC), 4.1 (PMR).
17	21	48	00.3*	14.035	S	167.505	E	100 G	4.6		1.0	49	VANUATU ISLANDS
17	23	08	38.3?	14.67	N	93.96	W	33 N	4.3		0.8	7	NEAR COAST OF CHIAPAS, MEXICO
18	00	02	01.7	46.324	N	12.834	E	5 G			1.3	16	NORTHERN ITALY. ML 2.5 (FUR), 2.4 (VIE), 1.9 (LJU).
18	00	30	04.3&	31.397	S	69.362	W	187				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.4 (GUC).
18	00	52	19.0&	44.960	N	116.910	W	8				19	WESTERN IDAHO. <BSE-P>. ML 2.9 (BSE), 3.0 (BUT). MD 2.9 (SEA). Felt.
18	01	47	15.6?	8.67	S	67.38	E	10 G			1.5	11	MID-INDIAN RIDGE
18	02	34	24.2&	44.500	N	10.800	E	2				14	NORTHERN ITALY. <LDG>. ML 2.6 (LDG).
18	02	45	07.6&	55.315	N	162.401	W	153				16	ALASKA PENINSULA. <AEIC>.
18	02	54	54.3	13.929	N	91.054	W	33 N	4.5		1.1	38	NEAR COAST OF GUATEMALA
18	03	30	02.6	11.020	S	166.841	E	33 N	4.6	5.0	1.0	39	SANTA CRUZ ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:30:03.9; Lat 10.76 S; Lon 166.95 E; Dep 25.3; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=0.90, Plg=9, Azm=60; (N) Val=0.51, Plg=61, Azm=314; (P) Val=-1.42, Plg=27, Azm=154; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=194, Dip=64, Slip=-14; NP2: Strike=290, Dip=77, Slip=-154.
18	04	51	29.2	2.902	N	99.158	E	200 G	4.3		1.0	23	NORTHERN SUMATERA, INDONESIA
18	05	36	52.4	27.804	N	54.178	E	33 N	4.4		0.7	33	SOUTHERN IRAN
18	06	30	45.5*	30.046	N	138.548	E	468 *	3.9		1.0	27	SOUTH OF HONSHU, JAPAN
18	06	58	39.2&	41.211	N	123.474	W	39				16	NORTHERN CALIFORNIA. <GM-P>. Mw 3.6 (BRK). ML 3.5 (GM), 3.5 (BRK). Moment Tensor (BRK): Dep 39; Principal axes (scale 10**14 Nm): (T) Val=2.95, Plg=19, Azm=86; (N) Val=0.00, Plg=1, Azm=355; (P) Val=-2.95, Plg=71, Azm=263; Best double couple: Mo=3.0*10**14 Nm; NP1: Strike=355, Dip=64, Slip=-91; NP2: Strike=177, Dip=26, Slip=-88.
18	07	33	22.4&	18.800	N	64.580	W	43				4	VIRGIN ISLANDS. <MPR>. MD 3.4 (MPR).
18	07	52	27.2&	31.276	N	115.619	W	12 G				1	BAJA CALIFORNIA, MEXICO. <ECX>. MD 3.1 (ECX). ML 2.8 (PAS).
18	07	58	08.0	22.916	S	175.375	W	39 D	5.0	5.2	1.1	86	TONGA ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:58:09.9; Lat 22.94 S; Lon 174.55 W; Dep 21.0 Bdy; Half-duration 1.2 sec: Principal axes (scale 10**17 Nm): (T) Val=1.32, Plg=72, Azm=305; (N) Val=0.21, Plg=6, Azm=196; (P) Val=-1.53, Plg=17, Azm=104; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=185, Dip=29, Slip=77; NP2: Strike=19, Dip=62, Slip=97.
18	08	19	05.7	15.354	S	174.033	W	33 N	4.9	5.2	0.9	104	TONGA ISLANDS
18	09	06	54.2*	6.921	S	155.814	E	100 G	4.0		1.0	14	SOLOMON ISLANDS
18	10	13	03.0&	37.960	N	112.500	W	7				15	UTAH. <SLC-P>. ML 3.0 (SLC), 2.8 (GS).
18	11	09	59.7&	33.486	S	69.896	W	15				16	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.4 (GUC).

18	11	42	57.7&	33.354	S	71.258	W	56					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.5 (GUC).
18	11	53	38.7*	36.067	N	71.215	E	111	*	4.1		0.9	15	AFGHANISTAN-TAJIKISTAN BORD REG.
18	13	35	21.4*	35.400	N	73.888	E	63	D	3.3		1.1	7	NORTHWESTERN KASHMIR
18	15	28	25.3&	44.100	N	10.800	E	2					4	NORTHERN ITALY. <LDG>. ML 2.7 (LDG).
18	15	32	24.9*	54.881	N	35.352	W	10	G	3.3		0.4	7	NORTH ATLANTIC OCEAN
18	15	42	44.7*	10.101	S	161.589	E	104	*	4.4		1.1	34	SOLOMON ISLANDS
18	16	03	05.9*	58.260	S	26.697	W	200	G	4.1		0.3	8	SOUTH SANDWICH ISLANDS REGION
18	17	29	54.1*	27.734	N	52.441	E	10	G	4.2		1.1	20	SOUTHERN IRAN
18	18	08	35.1&	40.370	N	1.410	W	4					15	SPAIN. <MDD>. ML 3.0 (LDG). mbLg 2.9 (MDD). Felt (II) at Gea de Albarracin.
18	18	12	18.9*	27.368	N	88.334	E	33	N	4.0		1.1	11	SIKKIM, INDIA
18	18	13	43.6&	36.080	N	117.615	W	1					35	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS).
18	19	09	28.8*	23.136	S	169.740	E	33	N	4.2		1.3	21	LOYALTY ISLANDS REGION
18	19	43	11.1*	35.003	N	86.551	E	33	N			1.3	10	XIZANG
18	20	05	20.0&	40.340	N	1.430	W	0					18	SPAIN. <MDD>. ML 3.0 (LDG). mbLg 2.8 (MDD).
18	20	06	32.0&	36.075	N	117.621	W	1					50	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.8 (PAS), 3.9 (BRK), 3.7 (GS).
18	20	11	51.1&	36.077	N	117.625	W	1					10	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.7 (PAS), 2.9 (GS).
18	20	22	08.2&	35.200	N	84.200	W	5	G				4	TENNESSEE. <MACRO>. mbLg 2.5 (GS). Felt at Unaka, North Carolina.
18	21	58	57.3	7.609	S	128.826	E	150	G	4.3		1.2	16	BANDA SEA
18	22	43	58.0*	19.132	S	176.834	W	250	G	4.1		1.0	26	FIJI ISLANDS REGION
18	23	29	13.6	29.808	N	68.218	E	33	N	4.4		1.0	40	PAKISTAN. Felt at Sibi.
19	01	43	36.7&	49.330	N	124.628	W	1					47	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.0 (PGC). Felt in the Parksville, Port Alberni and Qualicum areas.
19	01	47	07.8&	18.860	N	66.020	W	56					9	PUERTO RICO REGION. <MPR>. MD 3.1 (MPR).
19	02	31	21.6&	38.490	N	1.330	W	9					14	SPAIN. <MDD>. mbLg 2.4 (MDD).
19	02	54	39.3*	43.420	N	147.163	E	100	G	4.5		1.0	18	KURIL ISLANDS
19	03	53	01.5&	65.205	N	148.432	W	13					13	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
19	04	16	25.3&	63.517	N	147.605	W	13					41	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
19	04	25	13.1	60.036	S	27.517	W	71	D	4.7		0.8	24	SOUTH SANDWICH ISLANDS REGION
19	04	52	41.0	19.333	S	176.317	W	33	N	4.9	5.3	0.9	75	FIJI ISLANDS REGION. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:52:43.8; Lat 19.46 S; Lon 176.08 W; Dep 15.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=5.95, Plg=3, Azm=261; (N) Val=-0.42, Plg=85, Azm=132; (P) Val=-5.53, Plg=4, Azm=351; Best double couple: Mo=5.7*10**17 Nm; NP1: Strike=36, Dip=85, Slip=-1; NP2: Strike=126, Dip=89, Slip=-175.
19	05	05	40.3&	36.072	N	117.621	W	1					14	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS), 3.1 (GS).
19	05	49	52.1&	19.220	N	67.940	W	60					5	MONA PASSAGE. <MPR>. MD 3.2 (MPR).
19	06	16	23.5?	11.81	N	86.97	W	33	N	4.2		1.4	10	NEAR COAST OF NICARAGUA
19	06	34	09.7*	5.538	S	128.620	E	314	*	4.1		1.3	21	BANDA SEA
19	06	49	53.3&	37.419	N	118.432	W	0					23	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.3 (BRK), 3.3 (GS). Felt at Bishop, California.
19	08	10	55.9	8.127	S	147.408	E	35	*	4.4		1.0	22	EASTERN NEW GUINEA REG., P.N.G.
19	08	33	29.2	29.910	N	56.045	E	33	N	4.7	4.3	1.3	73	SOUTHERN IRAN. Felt at Golbaf.
19	08	35	55.8	11.564	N	141.832	E	45	D	5.6	5.1	0.9	214	WESTERN CAROLINE ISLANDS. Mw 5.5 (GS), 5.5 (HRV). Moment Tensor (GS): Dep 39; Principal axes (scale 10**17 Nm): (T) Val=2.16, Plg=82, Azm=177; (N) Val=0.01, Plg=7, Azm=323; (P) Val=-2.17, Plg=4, Azm=54; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=151, Dip=41, Slip=100; NP2: Strike=318, Dip=50, Slip=81. Centroid, Moment Tensor (HRV): Centroid origin time 08:35:59.7; Lat 11.39 N; Lon 141.87 E; Dep 68.4; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.12, Plg=86, Azm=88; (N) Val=0.13, Plg=3, Azm=310; (P) Val=-2.25, Plg=3, Azm=220; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=307, Dip=43, Slip=86; NP2: Strike=133, Dip=48, Slip=94.
19	08	48	18.4?	31.69	N	138.78	E	272	*	3.2		0.7	8	SOUTH OF HONSHU, JAPAN
19	08	49	32.5?	11.95	N	86.83	W	33	N			1.0	7	NEAR COAST OF NICARAGUA
19	08	58	42.2&	35.906	N	33.736	E	5					4	CYPRUS REGION. <ISK>. MD 3.4 (ISK).
19	10	00	25.3*	18.071	N	145.863	E	99	D	4.6		1.1	45	MARIANA ISLANDS
19	10	16	33.6*	4.160	N	126.001	E	136	?	4.5		1.3	21	TALAUD ISLANDS, INDONESIA
19	10	18	32.1?	13.15	N	88.11	W	150	G	3.8		1.2	16	EL SALVADOR
19	11	16	44.0&	63.365	N	151.552	W	35		2.9			50	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.1 (PMR).
19	12	55	37.2*	6.317	S	148.661	E	77	*	4.2		1.2	19	NEW BRITAIN REGION, P.N.G.
19	13	02	29.4?	8.32	S	74.07	W	150	G	3.2		0.5	6	PERU-BRAZIL BORDER REGION
19	13	51	33.7	39.977	N	76.731	E	33	N	5.4	5.6	0.9	265	SOUTHERN XINJIANG, CHINA. Mw 5.6 (GS), 5.6 (HRV). About 400 houses destroyed and some livestock killed 90 km northeast of Artux. Felt at Artux and Kashi. Also felt at Almaty, Kazakhstan. Moment Tensor (GS): Dep 13; Principal axes (scale 10**17 Nm): (T) Val=3.04, Plg=45, Azm=351; (N) Val=-0.02, Plg=2, Azm=259; (P) Val=-3.01, Plg=45, Azm=167; Best double couple: Mo=3.0*10**17 Nm; NP1: Strike=165, Dip=2, Slip=-3; NP2: Strike=259, Dip=90, Slip=-92. Centroid, Moment Tensor (HRV): Centroid origin time 13:51:38.7; Lat 39.94 N; Lon 76.88 E; Dep 32.7 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.13, Plg=67, Azm=354; (N) Val=0.26, Plg=4, Azm=253; (P) Val=-3.39, Plg=22, Azm=162; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=243, Dip=23, Slip=79; NP2: Strike=75, Dip=68, Slip=95.
19	14	36	17.0&	60.889	N	146.638	W	20					43	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
19	15	22	40.8*	23.418	S	68.365	W	150	G	3.9		1.0	14	NORTHERN CHILE
19	15	28	12.3*	30.771	N	142.097	E	33	N	4.1		1.4	19	SOUTH OF HONSHU, JAPAN
19	15	28	21.0*	39.967	N	76.422	E	33	N	3.6		0.9	7	SOUTHERN XINJIANG, CHINA
19	16	21	47.6&	61.602	N	151.589	W	85					54	SOUTHERN ALASKA. <AEIC>.
19	16	32	57.1*	39.753	N	76.658	E	33	N	4.2		1.1	15	SOUTHERN XINJIANG, CHINA

19	17	01	32.7*	31.210	N	77.829	E	33	N	3.9		1.3	11	NORTHERN INDIA
19	17	10	53.4&	39.330	N	0.100	W	0	G				13	SPAIN. <MDD>. mbLg 2.5 (MDD).
19	17	13	19.6*	31.027	N	77.643	E	33	N	3.9		0.3	8	NORTHERN INDIA
19	17	23	52.9&	60.835	N	151.566	W	9					48	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
19	17	58	17.6*	33.903	N	141.646	E	46	*	4.4		0.9	21	OFF EAST COAST OF HONSHU, JAPAN
19	18	08	57.5&	29.859	N	68.082	E	33	N			1.1	12	PAKISTAN
19	19	13	15.1?	4.62	S	152.48	E	33	N	3.8		0.7	7	NEW BRITAIN REGION, P.N.G.
19	20	20	36.0	30.084	S	176.157	W	100	G	4.8	5.1	1.1	61	KERMADEC ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:20:28.3; Lat 30.16 S; Lon 175.30 W; Dep 16.5; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.47, Plg=19, Azm=278; (N) Val=-0.07, Plg=15, Azm=183; (P) Val=-1.40, Plg=66, Azm=56; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=31, Dip=30, Slip=-58; NP2: Strike=176, Dip=65, Slip=-107.
19	20	31	13.2	41.440	N	20.109	E	10	G			1.3	9	ALBANIA. ML 3.2 (ROM).
19	20	46	07.4&	49.970	N	117.903	W	0	G				13	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 3.0 (PGC). Felt strongly at Burton.
19	20	46	10.4&	36.817	N	31.493	E	10	G				5	TURKEY. <ISK>. MD 3.4 (ISK).
19	20	57	03.5*	3.898	S	128.535	E	100	G	4.0		1.0	15	SERAM, INDONESIA
19	21	08	03.3?	32.34	S	178.95	W	33	N	4.5		1.1	9	SOUTH OF KERMADEC ISLANDS
19	21	11	01.2?	15.69	S	176.88	W	350	G	3.5		1.0	20	FIJI ISLANDS REGION
19	21	26	30.3&	25.108	N	125.441	E	33	N			1.0	6	SOUTHWESTERN RYUKYU ISLANDS
19	21	29	03.1	36.817	N	114.487	W	5	G			1.0	10	SOUTHERN NEVADA. ML 2.9 (GS).
19	21	40	35.4&	37.020	N	4.070	W	0	G				5	SPAIN. <MDD>. mbLg 1.5 (MDD).
19	21	51	37.9*	4.136	N	124.794	E	300	G	4.4		0.8	13	CELEBES SEA
19	23	34	27.3*	32.543	N	76.210	E	70	?	3.5		0.6	7	KASHMIR-INDIA BORDER REGION
20	00	05	25.4&	39.295	N	27.717	E	10	G				5	TURKEY. <ISK>. MD 2.9 (ISK).
20	00	12	13.1?	27.68	N	59.06	E	33	N	3.9		0.9	10	SOUTHERN IRAN
20	00	12	18.1&	44.291	N	7.412	E	16					6	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
20	00	35	19.3&	31.444	S	69.387	W	185					12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.5 (GUC).
20	01	03	41.5*	32.635	N	76.191	E	33	N	3.8		0.8	7	KASHMIR-INDIA BORDER REGION
20	01	07	19.5?	28.00	S	177.29	W	33	N	3.7		0.8	7	KERMADEC ISLANDS REGION
20	01	15	38.2*	4.603	N	127.509	E	115	*	4.6		0.7	20	TALAUD ISLANDS, INDONESIA
20	01	52	40.2	10.670	N	143.130	E	33	N	4.6	4.2	0.9	27	SOUTH OF MARIANA ISLANDS
20	02	25	11.2&	38.387	N	26.677	E	10	G				4	AEGEAN SEA. <ISK>. MD 2.8 (ISK).
20	02	27	11.6&	45.500	N	7.800	E	2					4	NORTHERN ITALY. <LDG>. ML 1.7 (LDG).
20	03	02	46.4*	19.184	N	93.471	E	33	N	3.9		0.5	7	MYANMAR
20	03	11	43.0&	47.190	N	9.700	E	5					67	GERMANY. <FBB>. ML 3.3 (VIE), 3.3 (GRF), 3.1 (FBB), 3.0 (FUR), 3.0 (LDG). Felt (V) at Bludesch, Austria.
20	03	29	16.4&	62.245	N	152.372	W	0					81	CENTRAL ALASKA. <AEIC>. ML 3.5 (AEIC), 3.9 (PMR).
20	03	45	08.1*	35.514	N	140.559	E	33	N			0.8	10	NEAR EAST COAST OF HONSHU, JAPAN
20	04	00	27.2	51.642	N	16.236	E	5	G			0.7	32	POLAND. ML 3.8 (VIE), 3.7 (FUR), 3.6 (WAR), 3.5 (CLL).
20	04	18	56.2	62.304	N	152.447	W	33	N			1.2	10	CENTRAL ALASKA. ML 2.8 (PMR).
20	04	20	15.4&	32.784	S	71.696	W	44					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
20	04	34	05.8&	36.840	N	8.440	W	30	G				7	WEST OF GIBRALTAR. <MDD>. mbLg 2.7 (MDD).
20	05	56	07.6	51.374	N	176.878	W	33	N	4.5	4.5	1.1	55	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.0 (PMR). Felt on Adak.
20	06	46	28.5	51.473	N	176.951	W	33	N	4.5	4.2	1.2	68	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR). Felt on Adak.
20	06	50	20.4*	18.906	S	167.471	E	33	N	3.9		1.2	13	VANUATU ISLANDS
20	07	16	07.2&	39.296	N	123.243	W	8					15	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 2.9 (BRK), 3.0 (GS). Felt at Ukiah and Willits.
20	07	22	53.7*	3.307	S	138.777	E	33	N	3.8		0.7	8	IRIAN JAYA, INDONESIA
20	07	56	59.7&	32.270	S	71.951	W	32					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
20	08	20	53.9*	18.557	S	177.942	W	600	G	4.0		0.8	11	FIJI ISLANDS REGION
20	08	22	28.9*	8.308	S	71.672	W	550	G	3.4		0.9	13	WESTERN BRAZIL
20	09	45	28.2?	17.66	S	69.00	W	171	?			1.5	7	PERU-BOLIVIA BORDER REGION
20	09	48	23.3?	6.37	S	148.00	E	67	*	3.0		1.3	10	EASTERN NEW GUINEA REG., P.N.G.
20	10	00	35.4?	8.97	N	71.14	W	33	N	4.1		1.1	10	VENEZUELA
20	10	31	41.4	43.973	N	16.761	E	10	G			1.2	82	NORTHWESTERN BALKAN REGION. ML 3.4 (ROM).
20	10	43	04.5	37.854	N	118.197	W	5	G			1.1	65	CALIFORNIA-NEVADA BORDER REGION. Mw 4.4 (BRK). ML 4.7 (GM), 4.6 (BRK). Moment Tensor (BRK): Dep 12; Principal axes (scale 10**15 Nm): (T) Val=4.00, Plg=12, Azm=115; (N) Val=0.00, Plg=69, Azm=352; (P) Val=-4.00, Plg=17, Azm=209; Best double couple: Mo=4.0*10**15 Nm; NP1: Strike=342, Dip=86, Slip=-159; NP2: Strike=251, Dip=69, Slip=-4.
20	11	01	59.7	12.121	S	77.615	W	49	D	5.1	4.3	0.8	131	NEAR COAST OF PERU. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:02:02.3; Lat 12.23 S; Lon 77.84 W; Dep 59.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.50, Plg=47, Azm=306; (N) Val=2.65, Plg=43, Azm=123; (P) Val=-8.15, Plg=2, Azm=214; Best double couple: Mo=6.8*10**16 Nm; NP1: Strike=339, Dip=58, Slip=144; NP2: Strike=90, Dip=60, Slip=38.
20	11	02	46.1&	38.147	N	30.087	E	10	G	4.0			62	TURKEY. <ISK>. MD 3.8 (ISK).
20	12	09	47.5&	44.711	N	6.640	E	1					69	FRANCE. <GEN>. ML 3.4 (LDG), 3.0 (GEN).
20	12	27	20.6*	50.829	N	16.071	E	5	G			0.1	5	POLAND. ML 2.6 (WAR).
20	13	04	55.0&	40.327	N	25.866	E	9					20	AEGEAN SEA. <ISK>. MD 3.3 (ISK).
20	13	29	56.6&	31.594	S	68.864	W	198					12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.7 (GUC).
20	13	45	24.4&	54.158	N	164.186	W	8					18	UNIMAK ISLAND REGION. <AEIC>. ML 3.3 (AEIC).
20	13	55	39.6*	17.550	N	60.941	W	33	N	4.1		0.9	16	LEEWARD ISLANDS
20	14	14	45.7?	24.47	S	179.92	E	500	G	4.2		1.1	24	SOUTH OF FIJI ISLANDS
20	14	32	44.1?	20.02	S	177.20	W	500	G	4.0		0.7	12	FIJI ISLANDS REGION
20	14	57	43.0&	41.325	N	27.281	E	10	G				4	TURKEY. <ISK>. MD 2.8 (ISK).
20	15	13	42.4*	11.550	S	116.037	E	33	N	3.4		1.0	5	SOUTH OF SUMBAWA, INDONESIA
20	15	19	57.8&	63.268	N	151.110	W	12					57	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.4 (PMR).
20	15	33	49.6&	31.476	S	69.520	W	190					12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.2 (GUC).
20	15	38	18.8	19.345	N	146.448	E	33	N	4.7		1.0	61	MARIANA ISLANDS REGION
20	15	54	03.4*	45.731	N	142.578	E	329	*	3.0		1.3	7	HOKKAIDO, JAPAN REGION
20	15	59	36.0*	11.613	S	115.900	E	33	N	3.6		1.1	6	SOUTH OF BALI, INDONESIA
20	15	59	51.7	54.597	N	160.577	W	33	N	3.2		1.2	30	ALASKA PENINSULA. ML 3.8 (AEIC).
20	16	05	23.0*	40.604	N	26.041	E	10	G			1.5	7	TURKEY
20	16	07	47.0	40.367	N	25.727	E	10	G			0.8	14	AEGEAN SEA. MD 3.5 (ISK).

20	16	45	51.5&	40.997	N	121.595	W	9				8	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.1 (BRK).
20	17	13	15.6*	5.088	S	153.298	E	100	G	3.7	1.1	14	NEW IRELAND REGION, P.N.G.
20	17	28	11.3&	38.175	N	30.173	E	10	G			11	TURKEY. <ISK>. MD 3.4 (ISK).
20	18	07	17.7*	40.347	N	25.887	E	10	G		1.1	6	AEGEAN SEA
20	19	43	07.2*	14.744	S	166.994	E	83	D	4.0	1.2	21	VANUATU ISLANDS
20	21	00	12.5	4.624	N	127.952	E	33	N	5.1	1.2	61	TALAUD ISLANDS, INDONESIA
20	21	08	08.5	50.008	S	163.107	E	10	G	5.8 6.1	1.3	118	AUCKLAND ISLANDS REGION. Mw 6.7 (GS), 6.7 (HRV).
													Moment Tensor (GS): Dep 16; Principal axes (scale 10**19 Nm): (T) Val=1.18, Plg=11, Azm=16; (N) Val=0.04, Plg=77, Azm=158; (P) Val=-1.21, Plg=8, Azm=284; Best double couple: Mo=1.2*10**19 Nm; NP1: Strike=60, Dip=77, Slip=178; NP2: Strike=150, Dip=88, Slip=13.
													Centroid, Moment Tensor (HRV): Centroid origin time 21:08:20.2; Lat 50.06 S; Lon 162.89 E; Dep 15.0 Fix; Half-duration 5.1 sec; Principal axes (scale 10**19 Nm): (T) Val=1.29, Plg=14, Azm=4; (N) Val=0.03, Plg=75, Azm=167; (P) Val=-1.32, Plg=4, Azm=273; Best double couple: Mo=1.3*10**19 Nm; NP1: Strike=48, Dip=77, Slip=173; NP2: Strike=139, Dip=83, Slip=13.
20	21	35	00.0&	49.170	N	6.640	E	1	G			9	GERMANY. <FBB>. ML 2.2 (FBB), 2.2 (UCC). Mining induced event in the Lorraine region, France.
20	21	53	16.5*	27.779	S	177.314	W	150	G	4.6	1.0	35	KERMADEC ISLANDS REGION
20	21	59	55.8&	17.183	N	100.683	W	35				9	GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
20	22	25	58.4	1.659	S	119.519	E	46	*	4.8	1.1	38	SULAWESI, INDONESIA
20	22	33	09.5&	17.231	N	94.957	W	87				8	CHIAPAS, MEXICO. <UNM>. MD 3.9 (UNM).
21	00	17	26.2&	36.590	N	4.450	W	94				11	STRAIT OF GIBRALTAR. <MDD>.
21	01	04	43.2	7.841	S	74.450	W	150	D	4.4	0.9	37	PERU-BRAZIL BORDER REGION
21	01	29	08.6*	54.639	S	135.362	W	10	G	4.9 5.0	1.3	28	PACIFIC-ANTARCTIC RIDGE. Mw 5.5 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 01:29:15.8; Lat 54.67 S; Lon 135.35 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.24, Plg=13, Azm=146; (N) Val=-0.11, Plg=69, Azm=18; (P) Val=-2.13, Plg=16, Azm=240; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=282, Dip=69, Slip=-2; NP2: Strike=13, Dip=88, Slip=-159.
21	02	11	39.6&	42.160	N	8.050	W	21				36	SPAIN. <MDD>. mbLg 3.3 (MDD). Felt (III) in southern Orense Province.
21	02	18	54.0	4.253	S	80.709	W	33	N	5.0 4.8	0.8	145	PERU-ECUADOR BORDER REGION
21	02	36	36.6	44.540	N	114.012	W	5	G		0.6	29	WESTERN IDAHO. ML 3.2 (GS).
21	03	59	31.7	1.136	N	126.997	E	33	N	4.4	1.2	30	NORTHERN MOLUCCA SEA
21	05	09	36.0&	47.170	N	9.700	E	5	G			14	GERMANY. <FBB>. ML 2.4 (VIE), 2.3 (FBB), 2.2 (LDG).
21	05	30	55.9&	34.575	S	72.108	W	16				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
21	06	08	16.4&	63.526	N	150.931	W	10				71	CENTRAL ALASKA. <AEIC>. ML 3.5 (AEIC), 3.7 (PMR).
21	06	59	44.0*	21.535	N	120.263	E	33	N	4.0	1.4	13	TAIWAN REGION
21	07	20	14.6&	40.625	N	29.078	E	5				4	TURKEY. <ISK>. MD 2.9 (ISK).
21	07	37	46.1&	63.432	N	151.026	W	9				45	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PMR).
21	08	43	16.6&	31.266	S	69.338	W	217				13	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 4.0 (GUC).
21	09	00	10.5&	30.945	S	71.623	W	15				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
21	09	28	06.3&	37.874	N	29.699	E	11				5	TURKEY. <ISK>. MD 3.0 (ISK).
21	09	33	35.5&	32.050	S	71.515	W	26				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
21	09	46	50.5	24.200	N	125.308	E	33	N	3.9	1.0	21	SOUTHWESTERN RYUKYU ISLANDS
21	10	02	19.9&	60.305	N	151.933	W	83				57	KENAI PENINSULA, ALASKA. <AEIC>.
21	10	31	09.6&	30.558	S	70.089	W	205				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
21	10	48	36.1&	44.300	N	7.700	E	2				5	NORTHERN ITALY. <LDG>. ML 1.9 (LDG).
21	11	30	04.7&	46.100	N	7.500	E	2				5	SWITZERLAND. <LDG>. ML 1.9 (LDG).
21	11	37	00.1&	34.305	S	70.483	W	120				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
21	11	50	40.9&	39.651	N	29.372	E	5				4	TURKEY. <ISK>. MD 2.6 (ISK).
21	12	02	54.4	14.319	N	90.088	W	218	D	4.3	1.2	47	GUATEMALA
21	12	05	38.7&	32.828	S	70.011	W	120				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
21	14	04	47.5&	31.922	N	115.790	W	13				2	BAJA CALIFORNIA, MEXICO. <ECX>. MD 3.0 (ECX). ML 3.3 (PAS).
21	14	16	16.6?	13.52	N	120.64	E	200	G	4.4	0.8	12	MINDORO, PHILIPPINE ISLANDS
21	14	27	53.2&	59.660	N	152.495	W	72				86	SOUTHERN ALASKA. <AEIC>.
21	14	37	50.1*	17.424	N	60.970	W	33	N	3.7	0.6	7	LEEWARD ISLANDS
21	15	52	54.9*	13.614	S	166.795	E	33	N	4.6	1.3	38	VANUATU ISLANDS
21	16	29	39.6*	18.897	N	146.095	E	100	G	3.7	0.5	9	MARIANA ISLANDS
21	16	33	11.0	79.888	N	1.856	E	10	G	5.9 6.1	1.0	175	GREENLAND SEA. Mw 6.2 (HRV), 6.2 (CSEM), 6.1 (GS). Me 6.7 (GS). Ms 6.2 (BRK).
													Broadband Source Parameters (GS): Dep 8; NP1: Strike=140, Dip=80, Slip=175; NP2: Strike=231, Dip=85, Slip=10; Radiated energy 2.2*10**14 Nm.
													Moment Tensor (GS): Dep 28; Principal axes (scale 10**18 Nm): (T) Val=1.70, Plg=5, Azm=254; (N) Val=0.20, Plg=85, Azm=102; (P) Val=-1.90, Plg=2, Azm=344; Best double couple: Mo=1.8*10**18 Nm; NP1: Strike=29, Dip=85, Slip=1; NP2: Strike=299, Dip=89, Slip=175.
													Centroid, Moment Tensor (HRV): Centroid origin time 16:33:18.8; Lat 79.84 N; Lon 1.58 E; Dep 20.7 Fix; Half-duration 3.2 sec; Principal axes (scale 10**18 Nm): (T) Val=2.66, Plg=2, Azm=81; (N) Val=-0.14, Plg=88, Azm=244; (P) Val=-2.52, Plg=1, Azm=351; Best double couple: Mo=2.6*10**18 Nm; NP1: Strike=126, Dip=88, Slip=179; NP2: Strike=216, Dip=89, Slip=2.
													Moment Tensor (CSEM): Dep 15; Principal axes: (T) Plg=27, Azm=278; (N) Plg=58, Azm=63; (P) Plg=16, Azm=179; Best double couple: Mo=2.4*10**18 Nm; NP1: Strike=316, Dip=59, Slip=171; NP2: Strike=51, Dip=82, Slip=31.
21	16	45	09.5&	42.958	N	12.879	E	10		4.3		191	CENTRAL ITALY. <ROM>. ML 4.7 (STR), 4.7 (TRI), 4.7 (VIE), 4.3 (LDG). Felt as far south as Rome and east to the Adriatic coast.
21	16	58	07.9&	34.189	S	70.099	W	8				9	CHILE-ARGENTINA BORDER REGION. <GUC>.
21	16	58	51.5*	42.850	N	13.010	E	10	G		0.9	17	CENTRAL ITALY. ML 3.2 (LDG).
21	17	07	46.0*	42.890	N	12.900	E	10	G		0.6	13	CENTRAL ITALY. ML 3.2 (LDG).
21	17	57	52.6&	42.948	N	12.831	E	10				123	CENTRAL ITALY. <ROM>. ML 4.5 (VIE), 4.3 (TRI), 4.1 (STR).

21	18	22	28.4	36.433	N	70.133	E	228	D	5.8	0.9	522	HINDU KUSH REGION, AFGHANISTAN. Mw 6.0 (CSEM), 5.9 (GS), 5.9 (HRV). Me 5.7 (GS). Felt strongly in the epicentral area. Felt at Chitral, Islamabad, Lahore, Peshawar, Rawalpindi and in parts of Northern Areas, Pakistan. Also felt at Dushanbe, Tajikistan. Broadband Source Parameters (GS): Dep 233; NP1: Strike=90, Dip=70, Slip=90; NP2: Strike=270, Dip=20, Slip=90; Radiated energy 9.0*10**12 Nm. Moment Tensor (GS): Dep 226; Principal axes (scale 10**17 Nm): (T) Val=7.44, Plg=57, Azm=4; (N) Val=-0.24, Plg=2, Azm=98; (P) Val=-7.20, Plg=33, Azm=189; Best double couple: Mo=7.3*10**17 Nm; NP1: Strike=289, Dip=12, Slip=102; NP2: Strike=97, Dip=78, Slip=87. Centroid, Moment Tensor (HRV): Centroid origin time 18:22:32.4; Lat 36.46 N; Lon 70.00 E; Dep 236.3; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=7.96, Plg=59, Azm=5; (N) Val=0.60, Plg=3, Azm=270; (P) Val=-8.56, Plg=31, Azm=178; Best double couple: Mo=8.3*10**17 Nm; NP1: Strike=259, Dip=14, Slip=78; NP2: Strike=91, Dip=76, Slip=93. Moment Tensor (CSEM): Dep 225; Principal axes: (T) Plg=55, Azm=9; (N) Plg=19, Azm=129; (P) Plg=28, Azm=229; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=0, Dip=24, Slip=144; NP2: Strike=124, Dip=76, Slip=70.
21	18	35	10.0&	33.588	S	68.632	W	12				11	MENDOZA PROVINCE, ARGENTINA. <GUC>.
21	19	17	10.4*	27.954	N	54.904	E	33	N	3.9	1.2	16	SOUTHERN IRAN
21	20	11	24.1	51.591	N	16.132	E	5	G		1.3	11	POLAND. ML 3.2 (VIE), 3.0 (WAR).
21	20	48	44.5&	44.821	N	6.649	E	6				32	FRANCE. <GEN>. ML 2.5 (GEN), 2.2 (LDG), 2.2 (STR).
21	21	20	12.1*	43.121	N	12.586	E	5	G		1.1	9	CENTRAL ITALY. ML 3.0 (LDG).
21	21	31	11.8?	43.09	N	12.10	E	10	G		1.3	10	CENTRAL ITALY
21	21	45	39.6&	44.810	N	6.599	E	3				49	FRANCE. <GEN>. ML 2.9 (GEN), 2.9 (LDG), 2.7 (STR).
21	21	55	45.9&	44.840	N	6.607	E	12				9	FRANCE. <GEN>. ML 1.9 (GEN), 1.8 (LDG).
21	21	59	33.4&	19.112	N	98.596	W	5				8	CENTRAL MEXICO. <UNM>. MD 4.1 (UNM).
21	21	59	33.5&	44.813	N	6.618	E	0				36	FRANCE. <GEN>. ML 2.4 (GEN), 2.4 (LDG), 2.4 (STR).
21	22	00	42.2&	44.842	N	6.666	E	14				13	FRANCE. <GEN>. ML 2.0 (LDG), 1.9 (GEN).
21	22	07	30.0	51.553	N	16.350	E	5	G		0.6	15	POLAND. ML 3.7 (VIE), 3.2 (WAR).
21	22	35	43.4&	43.100	N	0.300	W	15				6	PYRENEES. <LDG>. ML 2.4 (LDG).
21	22	50	39.4*	42.961	N	12.824	E	10	G		0.6	16	CENTRAL ITALY. ML 3.0 (LDG).
21	22	52	58.1*	29.976	N	57.604	E	33	N	3.8	1.4	11	SOUTHERN IRAN
21	22	59	26.2&	44.840	N	6.593	E	10				12	FRANCE. <GEN>. ML 1.9 (LDG), 1.8 (GEN).
21	23	31	49.6?	51.88	N	176.94	E	33	N	3.5	1.4	7	RAT ISLANDS, ALEUTIAN ISLANDS
21	23	41	59.6&	33.968	S	70.323	W	102				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
22	00	34	12.5&	45.000	N	6.100	E	2				6	FRANCE. <LDG>. ML 1.5 (LDG).
22	00	59	26.2	9.515	S	123.440	E	88		5.1	1.3	62	TIMOR REGION, INDONESIA
22	01	02	46.2*	37.984	N	142.585	E	33	N	4.5	1.2	25	OFF EAST COAST OF HONSHU, JAPAN
22	01	08	57.4	11.430	S	66.245	E	10	G	5.4 6.1	0.9	302	MID-INDIAN RIDGE. Mw 6.1 (HRV), 5.9 (GS). Me 5.7 (GS). Broadband Source Parameters (GS): Radiated energy 8.3*10**12 Nm. Moment Tensor (GS): Dep 5; Principal axes (scale 10**17 Nm): (T) Val=7.99, Plg=2, Azm=240; (N) Val=0.47, Plg=9, Azm=330; (P) Val=-8.47, Plg=81, Azm=137; Best double couple: Mo=8.2*10**17 Nm; NP1: Strike=321, Dip=44, Slip=-103; NP2: Strike=158, Dip=48, Slip=-78. Centroid, Moment Tensor (HRV): Centroid origin time 01:09:04.0; Lat 11.35 S; Lon 66.24 E; Dep 15.0 Fix; Half-duration 2.6 sec; Principal axes (scale 10**18 Nm): (T) Val=1.53, Plg=5, Azm=254; (N) Val=-0.09, Plg=2, Azm=344; (P) Val=-1.43, Plg=85, Azm=98; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=342, Dip=40, Slip=-93; NP2: Strike=166, Dip=50, Slip=-87.
22	01	22	31.8*	1.539	S	119.689	E	33	N	4.4	1.2	9	SULAWESI, INDONESIA
22	02	01	26.4&	59.028	N	152.898	W	66				56	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
22	02	31	51.4&	46.100	N	7.000	E	2				6	SWITZERLAND. <LDG>. ML 2.0 (LDG).
22	03	12	44.9*	7.002	S	106.923	E	100	G	4.9	1.0	30	JAWA, INDONESIA
22	03	19	57.9*	44.404	N	149.587	E	33	N	4.7	1.1	50	KURIL ISLANDS
22	03	43	47.2*	43.071	N	12.798	E	10	G		1.1	16	CENTRAL ITALY. ML 3.2 (LDG).
22	03	56	37.2	39.261	N	93.381	E	33	N	3.8	1.2	25	SOUTHERN XINJIANG, CHINA
22	04	27	31.3&	27.700	N	17.670	W	0	G	3.9		13	CANARY ISLANDS REGION. <MDD>. mbLg 3.8 (MDD). Felt (III) on Ferro.
22	05	09	59.0&	18.180	N	66.890	W	18				8	PUERTO RICO REGION. <MPR>. MD 2.5 (MPR).
22	05	12	35.1*	10.605	S	116.001	E	33	N	3.6	1.6	13	SOUTH OF SUMBAWA, INDONESIA
22	05	17	09.2	8.046	S	111.455	E	166		4.5	1.0	29	JAWA, INDONESIA
22	05	33	54.3&	46.100	N	7.000	E	2				7	SWITZERLAND. <LDG>. ML 1.9 (LDG).
22	06	15	51.7&	32.242	S	71.717	W	36				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
22	07	01	22.5?	6.20	S	129.71	E	200	G	4.9	0.8	10	BANDA SEA
22	07	26	24.4&	15.588	N	99.124	W	12				16	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
22	07	31	42.0	37.218	N	31.085	E	129		3.8	0.8	30	TURKEY
22	07	31	58.3&	18.419	N	101.241	W	86				24	GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
22	08	30	00.7*	27.410	N	143.145	E	33	N	3.7	1.1	11	BONIN ISLANDS REGION
22	09	12	01.5&	44.296	N	7.318	E	13				6	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
22	10	03	47.5&	34.493	S	70.746	W	103				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
22	10	17	30.9&	44.517	N	7.266	E	11				4	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
22	10	35	13.7*	46.049	N	14.175	E	10	G		0.4	5	NORTHWESTERN BALKAN REGION. ML 1.2 (LJU).
22	12	06	59.5*	7.916	S	117.914	E	200	G	4.5	0.9	18	BALI SEA
22	12	48	36.9*	35.022	N	25.616	E	33	N	4.0	1.2	27	CRETE. MD 3.8 (ISK).
22	12	52	38.1&	63.074	N	151.122	W	132				56	CENTRAL ALASKA. <AEIC>.
22	12	55	31.6&	44.482	N	6.991	E	7				22	FRANCE. <GEN>. ML 2.2 (GEN), 2.1 (LDG), 1.9 (STR).
22	13	02	24.7&	43.026	N	12.890	E	10	G	3.6		81	CENTRAL ITALY. <ROM>. ML 4.1 (VIE), 3.8 (STR), 3.8 (TRI), 3.6 (LDG). MD 3.7 (ROM).
22	13	14	50.6*	36.591	N	70.339	E	200	G	3.6	1.4	14	HINDU KUSH REGION, AFGHANISTAN
22	13	21	33.9*	23.005	N	124.388	E	33	N		0.6	9	SOUTHWESTERN RYUKYU ISLANDS
22	13	50	14.2&	40.727	N	29.664	E	11				4	TURKEY. <ISK>. MD 2.8 (ISK).
22	14	03	11.0&	34.835	S	70.338	W	0				8	CHILE-ARGENTINA BORDER REGION. <GUC>.

22	14	46	32.7&	33.797	S	71.027	W	64					8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.6 (GUC).
22	14	46	38.0*	12.753	N	145.006	E	71	*	4.4		0.9	22	SOUTH OF MARIANA ISLANDS
22	17	53	38.7*	31.455	S	122.334	E	10	G	3.8		1.2	11	WESTERN AUSTRALIA
22	18	18	05.1&	32.530	S	71.649	W	30					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
22	18	51	00.3	21.296	S	68.459	W	112	D	4.7		1.0	33	CHILE-BOLIVIA BORDER REGION
22	19	12	13.2&	45.072	N	8.982	E	1					48	NORTHERN ITALY. <GEN>. ML 3.0 (GEN), 3.0 (STR), 2.7 (LDG).
22	20	12	09.3*	35.675	N	78.279	E	33	N	3.7		1.1	11	EASTERN KASHMIR
22	22	05	00.3*	11.066	N	62.563	W	33	N	4.1		1.0	12	WINDWARD ISLANDS
22	23	01	36.9	41.107	N	19.801	E	33	N			1.0	21	ALBANIA. ML 3.3 (ROM).
22	23	44	18.6&	38.852	N	122.842	W	2					11	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
23	00	48	16.7?	6.86	S	129.39	E	148	?	4.0		0.9	7	BANDA SEA
23	01	07	16.3*	39.693	N	73.381	E	33	N			1.0	6	TAJIKISTAN-XINJIANG BORDER REG.
23	02	11	29.4?	52.15	N	179.07	W	33	N	3.6		1.0	6	ANDREANOF ISLANDS, ALEUTIAN IS.
23	02	23	44.4&	18.288	N	93.402	W	78		3.9			16	BAY OF CAMPECHE. <UNM>. MD 4.4 (UNM).
23	02	28	10.8	43.440	N	127.088	W	10	G	5.0	4.7	0.8	222	OFF COAST OF OREGON. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:28:11.0; Lat 42.94 N; Lon 127.35 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.35, Plg=17, Azm=247; (N) Val=-0.69, Plg=71, Azm=94; (P) Val=-7.66, Plg=8, Azm=340; Best double couple: Mo=8.0*10**16 Nm; NP1: Strike=25, Dip=72, Slip=7; NP2: Strike=293, Dip=84, Slip=162.
23	02	32	48.1	19.833	N	121.436	E	38	D	4.9		1.0	41	PHILIPPINE ISLANDS REGION
23	03	07	23.0?	7.18	N	73.14	W	137	?	3.7		1.6	7	NORTHERN COLOMBIA
23	03	26	54.7?	44.01	N	125.90	W	10	G			0.4	13	OFF COAST OF OREGON
23	03	40	36.2&	60.127	N	152.875	W	115		3.2			92	SOUTHERN ALASKA. <AEIC>.
23	03	43	52.4&	32.277	S	71.664	W	29					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
23	04	30	52.4	42.938	N	12.921	E	10	G	3.4		1.2	64	CENTRAL ITALY. ML 4.1 (VIE), 3.8 (TRI), 3.5 (LDG).
23	04	41	59.9	27.408	N	139.925	E	462	D	4.6		1.0	76	BONIN ISLANDS REGION
23	04	54	19.0	56.337	N	156.590	W	33	N	3.7		1.0	13	ALASKA PENINSULA
23	05	24	34.1	46.284	N	14.550	E	10	G			1.0	9	NORTHWESTERN BALKAN REGION. ML 2.3 (VIE), 1.9 (LJU).
23	05	31	26.2*	12.037	N	146.536	E	33	N	4.0		1.2	11	SOUTH OF MARIANA ISLANDS
23	05	46	52.6&	32.340	S	69.907	W	135					12	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.3 (GUC).
23	05	54	14.0&	34.064	S	70.379	W	9					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
23	05	59	08.4&	46.800	N	6.700	E	2					7	SWITZERLAND. <LDG>. ML 2.0 (LDG).
23	06	02	45.3*	24.359	S	69.298	W	78	D	4.0		0.7	13	NORTHERN CHILE
23	06	38	10.2&	20.083	N	99.193	W	3					12	CENTRAL MEXICO. <UNM>. MD 3.4 (UNM).
23	06	56	13.6&	33.966	S	70.380	W	107					8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.4 (GUC).
23	07	04	43.5&	30.737	S	71.528	W	59					14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
23	07	51	47.3?	11.52	S	166.23	E	33	N	3.9		1.1	12	SANTA CRUZ ISLANDS
23	08	29	56.2*	7.129	S	129.660	E	156	*	4.6		0.9	22	BANDA SEA
23	08	37	41.3&	33.533	S	70.294	W	107					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
23	09	24	11.1	42.932	N	12.953	E	10				1.2	43	CENTRAL ITALY. ML 4.0 (VIE), 3.7 (STR), 3.7 (TRI), 3.5 (LDG).
23	09	33	40.1&	32.701	S	72.025	W	32					13	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
23	09	35	59.5*	1.918	N	125.801	E	100	G	4.8		1.2	19	NORTHERN MOLUCCA SEA
23	09	37	09.1	36.317	N	141.075	E	42	D	5.1	4.9	0.8	175	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.5 (HRV). Felt (III JMA) in northern Chiba, eastern Saitama and much of Ibaraki and Tochigi Prefectures; (II JMA) in other parts of Chiba, eastern Fukushima and eastern Gumma Prefectures; (I JMA) as far west as Nagano Prefecture and as far north as Miyagi Prefecture. Centroid, Moment Tensor (HRV): Centroid origin time 09:37:12.2; Lat 36.29 N; Lon 141.28 E; Dep 35.0 Bdy; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.84, Plg=67, Azm=297; (N) Val=0.35, Plg=3, Azm=200; (P) Val=-2.19, Plg=23, Azm=109; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=193, Dip=23, Slip=82; NP2: Strike=21, Dip=68, Slip=93.
23	10	09	26.9&	34.556	S	70.433	W	135					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
23	10	11	52.6*	38.940	N	70.631	E	33	N	4.4		1.2	26	AFGHANISTAN-TAJIKISTAN BORD REG.
23	10	17	08.6	14.395	S	167.179	E	199	D	4.9		1.2	160	VANUATU ISLANDS
23	10	26	22.5*	42.883	N	12.895	E	10	G			1.2	16	CENTRAL ITALY. ML 3.3 (LDG), 3.3 (TRI).
23	10	32	27.5?	35.80	N	69.11	E	121	?	3.9		0.9	9	HINDU KUSH REGION, AFGHANISTAN
23	12	00	23.2?	50.61	N	2.67	W	5	G			1.1	23	UNITED KINGDOM. ML 2.9 (LDG).
23	12	45	43.5&	37.878	N	29.579	E	10	G				7	TURKEY. <ISK>. MD 3.2 (ISK).
23	13	01	55.3?	8.33	N	82.68	W	33	N	4.3		1.3	11	PANAMA-COSTA RICA BORDER REGION
23	13	07	19.0&	47.120	N	9.100	E	10	G				93	GERMANY. <FBB>. ML 3.6 (VIE), 3.4 (FBB), 3.4 (FUR), 3.4 (GRF), 3.4 (LDG), 3.3 (STR).
23	13	19	07.3*	1.709	N	99.142	E	125		4.7		1.1	17	NORTHERN SUMATERA, INDONESIA
23	14	55	38.3&	59.389	N	151.530	W	70					57	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
23	14	56	30.5&	37.444	N	118.872	W	9					5	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
23	15	26	02.5&	32.709	S	72.042	W	32					12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
23	15	28	35.0	46.862	N	151.072	E	189	*	4.4		0.9	56	KURIL ISLANDS
23	15	31	55.9*	36.401	N	70.229	E	227	D	4.0		0.9	15	HINDU KUSH REGION, AFGHANISTAN
23	16	02	41.0*	35.444	N	135.734	E	364		3.4		0.9	9	WESTERN HONSHU, JAPAN
23	16	59	54.7?	6.48	S	153.67	E	33	N	4.0		0.7	7	NEW BRITAIN REGION, P.N.G.
23	17	23	53.0&	39.360	N	26.367	E	5					8	TURKEY. <ISK>. MD 3.3 (ISK).
23	17	41	24.3&	37.626	N	118.856	W	10					13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
23	17	43	56.2&	32.688	S	72.013	W	34					10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
23	18	45	41.3*	42.815	N	13.037	E	10	G	3.4		1.2	21	CENTRAL ITALY. ML 3.4 (VIE), 3.2 (TRI), 3.1 (LDG).
23	18	50	33.5&	31.402	S	69.757	W	171					10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.4 (GUC).
23	18	56	14.1&	34.453	N	119.488	W	19					28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.1 (GS).
23	18	58	51.0*	30.483	N	138.774	E	424	*	3.8		0.7	16	SOUTH OF HONSHU, JAPAN
23	19	27	21.4	43.170	N	17.402	E	5	G			1.1	17	NORTHWESTERN BALKAN REGION
23	19	30	13.7	71.493	N	4.564	W	10	G	5.3	4.9	0.9	233	JAN MAYEN ISLAND REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:30:18.2; Lat 71.54 N; Lon 5.24 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.45, Plg=23, Azm=134; (N) Val=-0.62, Plg=6, Azm=42; (P) Val=-0.83, Plg=67, Azm=298; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=236, Dip=23, Slip=-75; NP2: Strike=39, Dip=68, Slip=-96.
23	19	43	50.7&	32.712	S	72.018	W	33					12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).

23	20	17	45.5&	47.400	N	2.100	W	2				7	FRANCE. <LDG>. ML 2.1 (LDG).
23	20	19	27.6	71.516	N	4.592	W	10	G	5.2	4.5	0.9 197	JAN MAYEN ISLAND REGION
23	20	24	45.8	13.068	N	121.143	E	100	G	4.8		1.2 49	MINDORO, PHILIPPINE ISLANDS
23	20	24	49.9&	43.370	N	3.160	W	0				10	SPAIN. <MDD>. mbLg 2.3 (MDD).
23	20	29	23.0	71.481	N	4.198	W	10	G	4.5		1.3 36	JAN MAYEN ISLAND REGION
23	20	41	36.2*	71.419	N	3.844	W	10	G	4.3		1.1 16	JAN MAYEN ISLAND REGION
23	20	45	20.1*	42.790	N	13.000	E	10	G			0.9 18	CENTRAL ITALY. ML 3.3 (TRI), 3.2 (LDG).
23	20	46	01.7*	43.194	N	12.126	E	10	G			0.9 13	CENTRAL ITALY. ML 3.3 (LDG).
23	21	18	30.8&	43.760	N	8.511	E	7				10	CORSICA. <GEN>. ML 2.4 (GEN).
23	21	19	59.3&	36.409	N	28.113	E	33	N			10	DODECANESE ISLANDS. <ISK>. MD 3.6 (ISK).
23	21	30	46.7	11.930	N	125.347	E	72	*	4.9		1.0 53	SAMAR, PHILIPPINE ISLANDS
23	21	34	56.6&	18.570	N	68.110	W	92				6	MONA PASSAGE. <MPR>. MD 3.1 (MPR).
23	21	59	22.6*	5.284	S	129.695	E	200	G	3.9		0.6 9	BANDA SEA
23	22	40	59.6	43.134	N	127.263	W	10	G			0.4 27	OFF COAST OF OREGON
23	23	07	36.5*	2.015	S	137.157	E	33	N	4.1		1.2 14	IRIAN JAYA, INDONESIA
23	23	22	16.0&	49.380	N	6.950	E	1	G			8	GERMANY. <FBB>. ML 2.1 (FBB), 1.6 (UCC).
23	23	32	37.2&	46.362	N	118.848	W	26				14	WASHINGTON. <SEA-P>. MD 2.7 (SEA).
23	23	42	23.0&	20.128	N	99.207	W	3				9	CENTRAL MEXICO. <UNM>. MD 3.3 (UNM).
23	23	58	37.1&	42.100	N	1.800	E	2				10	PYRENEES. <LDG>. ML 2.3 (LDG).
24	00	00	12.2*	46.430	N	15.298	E	10	G			0.7 6	NORTHWESTERN BALKAN REGION. ML 2.0 (VIE).
24	00	18	59.1&	19.423	N	98.858	W	4				10	CENTRAL MEXICO. <UNM>. MD 3.7 (UNM).
24	01	20	14.3	3.557	N	97.889	E	139		4.5		0.8 44	NORTHERN SUMATERA, INDONESIA
24	01	40	34.7&	40.634	N	29.144	E	10	G			7	TURKEY. <ISK>. MD 2.9 (ISK).
24	01	49	18.8*	4.461	N	125.373	E	33	N	4.2		0.3 14	TALAUD ISLANDS, INDONESIA
24	01	51	44.9&	40.635	N	29.114	E	7				7	TURKEY. <ISK>. MD 2.7 (ISK).
24	01	54	39.2&	59.924	N	153.470	W	126				61	SOUTHERN ALASKA. <AEIC>.
24	02	16	17.8?	33.38	N	139.19	E	169	*			1.3 9	SOUTH OF HONSHU, JAPAN
24	02	24	52.0&	40.530	N	124.980	W	9				11	NEAR COAST OF NORTHERN CALIF. <GM-P>. Mw 3.8 (BRK). ML 3.6 (GM), 3.7 (BRK).
													Moment Tensor (BRK): Dep 14; Principal axes (scale 10**14 Nm): (T) Val=5.43, Plg=23, Azm=75; (N) Val=0.00, Plg=64, Azm=226; (P) Val=-5.43, Plg=11, Azm=340; Best double couple: Mo=5.4*10**14 Nm; NP1: Strike=209, Dip=82, Slip=25; NP2: Strike=115, Dip=65, Slip=171.
24	02	32	24.9&	40.631	N	29.110	E	7				9	TURKEY. <ISK>. MD 3.1 (ISK).
24	03	07	47.1&	40.629	N	29.129	E	12				7	TURKEY. <ISK>. MD 2.7 (ISK).
24	03	08	43.2	13.934	N	120.883	E	200	G	4.6		0.8 23	MINDORO, PHILIPPINE ISLANDS
24	03	26	12.7&	38.779	N	25.891	E	10				8	AEGEAN SEA. <ISK>. MD 3.1 (ISK).
24	03	28	57.5?	10.86	S	165.17	E	82	?			0.9 6	SANTA CRUZ ISLANDS
24	03	34	48.2?	6.76	S	129.85	E	147	?	4.5		0.8 9	BANDA SEA
24	03	48	35.4&	39.081	N	26.497	E	10				5	TURKEY. <ISK>. MD 3.2 (ISK).
24	04	25	42.9*	32.462	N	73.901	E	43	D	4.0		1.0 14	PAKISTAN
24	04	49	09.9&	37.062	S	72.552	W	147				12	CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
24	05	07	15.0*	14.404	S	167.511	E	33	N	4.3		0.8 26	VANUATU ISLANDS
24	05	33	13.0*	43.300	N	126.711	W	10	G	2.9		0.8 32	OFF COAST OF OREGON
24	06	41	08.1	35.138	N	23.208	E	40		4.3		1.2 94	CRETE
24	06	59	59.9	40.276	N	127.168	W	10	G			0.7 58	OFF COAST OF NORTHERN CALIFORNIA. ML 4.4 (BRK), 4.0 (GS).
24	07	03	54.9&	59.822	N	151.966	W	62				78	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
24	07	14	54.4*	15.383	N	95.361	W	10	G			1.2 9	NEAR COAST OF OAXACA, MEXICO. MD 4.4 (UNM).
24	07	40	22.7&	18.107	N	100.861	W	43				17	GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
24	07	48	37.5?	23.93	S	66.91	W	193	?			0.7 6	JUJUY PROVINCE, ARGENTINA
24	07	53	13.3?	1.58	N	124.80	E	200	G	4.5		0.9 13	MINAHASSA PENINSULA, SULAWESI
24	09	35	56.9&	44.816	N	6.607	E	2				35	FRANCE. <GEN>. ML 2.8 (LDG), 2.6 (GEN).
24	10	04	52.3&	40.472	N	29.193	E	11				4	TURKEY. <ISK>. MD 2.7 (ISK).
24	10	59	34.5	6.068	N	94.622	E	76	D	4.5		0.9 26	NICOBAR ISLANDS, INDIA
24	11	27	20.6*	48.165	N	148.414	E	418	*	4.4		1.4 18	NORTHWEST OF KURIL ISLANDS
24	12	01	13.9*	71.600	N	3.724	W	10	G			0.8 7	JAN MAYEN ISLAND REGION
24	12	30	02.3?	14.44	S	167.02	E	33	N			1.0 6	VANUATU ISLANDS
24	14	53	19.4&	39.570	N	29.559	E	12				4	TURKEY. <ISK>. MD 2.5 (ISK).
24	15	08	47.6?	4.36	N	128.34	E	33	N	3.7		1.2 5	NORTH OF HALMAHERA, INDONESIA
24	15	10	31.7&	39.228	N	27.509	E	5				6	TURKEY. <ISK>. MD 2.7 (ISK).
24	15	23	36.4*	21.521	N	143.339	E	347	?	3.5		0.6 9	MARIANA ISLANDS REGION
24	15	28	27.9	34.370	N	31.879	E	33	N			0.7 20	CYPRUS REGION. ML 3.4 (GII).
24	16	11	03.0&	39.460	N	29.529	E	8				5	TURKEY. <ISK>. MD 2.6 (ISK).
24	17	54	56.9?	43.34	N	127.98	W	10	G			0.4 30	OFF COAST OF OREGON
24	18	15	02.9&	62.714	N	150.559	W	86				59	CENTRAL ALASKA. <AEIC>.
24	19	25	39.3	51.826	N	176.974	W	56		4.4		0.9 25	ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak.
24	19	35	26.8	38.220	N	73.965	E	167	*	4.1		0.7 21	TAJIKISTAN-XINJIANG BORDER REG.
24	19	44	36.0&	44.517	N	7.194	E	13				38	NORTHERN ITALY. <GEN>. ML 2.8 (GEN), 2.7 (LDG), 2.5 (STR).
24	20	33	41.1	45.830	N	15.204	E	10	G			0.3 7	NORTHWESTERN BALKAN REGION. ML 1.9 (VIE), 1.7 (LJU). Felt (III) at Novo Mesto, Slovenia.
24	20	54	35.4&	36.950	N	31.055	E	15				7	TURKEY. <ISK>. MD 3.3 (ISK).
24	21	19	43.0?	55.63	S	123.96	W	10	G	3.8		0.8 8	SOUTHERN EAST PACIFIC RISE
24	21	53	15.4&	35.214	N	118.116	W	6				27	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
25	00	00	10.7	3.516	S	138.291	E	69	*	4.1		0.9 21	IRIAN JAYA, INDONESIA
25	00	35	23.3&	38.051	N	30.121	E	10	G			6	TURKEY. <ISK>. MD 3.2 (ISK).
25	01	13	39.3*	5.954	S	150.566	E	33	N	4.2		0.8 14	NEW BRITAIN REGION, P.N.G.
25	01	18	20.1*	20.170	S	69.286	W	126	*	4.1		0.9 10	NORTHERN CHILE
25	02	44	16.9	7.349	S	128.680	E	150	G	5.4		0.8 197	BANDA SEA
25	03	12	25.0	62.877	S	149.527	E	10	G	6.6	8.0	1.1 418	BALLENY ISLANDS REGION. Mw 8.1 (HRV), 7.8 (GS). Me 8.8 (GS). Ms 8.1 (BRK). Believed to be the largest instrumentally recorded earthquake in this area to date.
													Broadband Source Parameters (GS): Dep 18; NP1: Strike=185, Dip=88, Slip=-179; NP2: Strike=95, Dip=89, Slip=-2; Radiated energy 3.3*10**17 Nm. Complex earthquake, with a larger event occurring about 10 seconds after onset. Depth based on second event.
													Moment Tensor (GS): Dep 34; Principal axes (scale 10**20 Nm): (T) Val=6.28, Plg=8, Azm=140; (N) Val=-0.56, Plg=82, Azm=331; (P) Val=-5.72, Plg=2, Azm=230; Best double couple: Mo=6.0*10**20 Nm; NP1: Strike=275, Dip=83, Slip=5; NP2: Strike=185, Dip=85, Slip=173.
													Centroid, Moment Tensor (HRV): Centroid origin time

03:13:02.5; Lat 62.99 S; Lon 148.64 E; Dep 28.8 Fix; Half-duration 29.1 sec; Principal axes (scale 10**21 Nm): (T) Val=2.14, Plg=16, Azm=146; (N) Val=-0.88, Plg=72, Azm=300; (P) Val=-1.25, Plg=7, Azm=54; Best double couple: Mo=1.7*10**21 Nm; NP1: Strike=189, Dip=73, Slip=174; NP2: Strike=281, Dip=84, Slip=17.
Scalar Moment (PPT): Mo=9.0*10**20 Nm.

25	03	19	05.1*	61.301	S	143.342	E	10	G		1.0	32	SOUTH OF AUSTRALIA
25	03	21	10.5*	61.916	S	151.043	E	33	N	5.2	1.1	44	BALLENY ISLANDS REGION
25	03	34	08.4?	62.31	S	149.61	E	10	G	4.3	1.5	9	BALLENY ISLANDS REGION
25	03	38	56.0*	62.708	S	144.832	E	10	G	4.6	0.8	13	SOUTH OF AUSTRALIA
25	04	01	32.5?	62.66	S	147.68	E	10	G	4.1	1.0	7	SOUTH OF AUSTRALIA
25	04	10	19.9*	63.176	S	146.838	E	10	G	3.9	0.7	9	SOUTH OF AUSTRALIA
25	04	14	25.8*	63.718	S	148.129	E	10	G	4.5	1.2	12	BALLENY ISLANDS REGION
25	05	02	37.1*	54.518	S	132.234	W	10	G	5.0	1.4	19	PACIFIC-ANTARCTIC RIDGE
25	05	04	14.7&	36.460	N	4.510	W	44				36	STRAIT OF GIBRALTAR. <MDD>.
25	05	06	35.6	56.376	S	146.818	E	10	G	4.9	0.8	61	WEST OF MACQUARIE ISLAND
25	05	11	22.3*	6.352	S	155.223	E	33	N	4.0	0.9	16	SOLOMON ISLANDS
25	05	42	54.7*	63.027	S	144.604	E	10	G	4.7	1.3	35	SOUTH OF AUSTRALIA
25	05	52	42.1*	54.577	S	132.702	W	10	G	5.0	1.3	36	PACIFIC-ANTARCTIC RIDGE
25	06	00	27.8	62.625	S	149.345	E	10	G	4.5	0.8	26	BALLENY ISLANDS REGION
25	06	06	14.6*	63.046	S	147.695	E	10	G	4.3	1.0	10	SOUTH OF AUSTRALIA
25	06	19	30.8&	31.558	S	69.967	W	149				15	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.7 (GUC).
25	07	12	17.3*	62.869	S	145.389	E	10	G	4.3	0.8	19	SOUTH OF AUSTRALIA
25	07	19	17.8*	62.970	S	144.337	E	10	G	4.6	1.1	20	SOUTH OF AUSTRALIA
25	07	32	00.1	62.892	S	145.643	E	10	G	4.8	1.1	40	SOUTH OF AUSTRALIA
25	08	21	55.9*	62.817	S	144.413	E	10	G	4.8	1.2	37	SOUTH OF AUSTRALIA
25	08	27	01.7&	19.380	N	67.090	W	25		4.9		94	MONA PASSAGE. <MPR>. MD 4.7 (MPR). Felt (IV) at Mayaguez, Puerto Rico. Also felt at Morovis, Puerto Rico.
25	08	28	12.1?	61.86	S	142.43	E	10	G	4.0	1.5	9	SOUTH OF AUSTRALIA
25	09	04	24.6*	62.304	S	145.189	E	10	G	4.3	1.1	12	SOUTH OF AUSTRALIA
25	09	34	59.4	5.848	S	115.894	E	33	N	4.1	1.2	20	JAVA SEA
25	10	16	35.4	16.411	S	174.264	W	147	D	4.5	1.1	79	TONGA ISLANDS
25	10	26	08.6&	35.930	N	4.740	W	15		3.5		47	STRAIT OF GIBRALTAR. <MDD>. mbLg 3.7 (MDD).
25	10	52	42.2&	43.900	N	7.200	E	2				6	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.1 (LDG).
25	11	00	31.7&	44.400	N	7.500	E	2				4	NORTHERN ITALY. <LDG>. ML 2.2 (LDG).
25	11	45	12.7	62.848	S	150.178	E	10	G	4.9	0.9	38	BALLENY ISLANDS REGION
25	12	09	08.8*	3.123	S	140.610	E	33	N	3.7	0.6	9	IRIAN JAYA, INDONESIA
25	12	13	30.5&	39.473	N	28.819	E	8				9	TURKEY. <ISK>. MD 2.7 (ISK).
25	12	17	02.4	24.194	S	66.804	W	184	*	4.7	0.8	41	SALTA PROVINCE, ARGENTINA
25	12	17	22.5	63.612	S	147.937	E	10	G	5.8 6.1	0.9	225	SOUTH OF AUSTRALIA. Mw 6.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:17:29.6; Lat 63.63 S; Lon 147.57 E; Dep 15.0 Fix; Half-duration 3.6 sec; Principal axes (scale 10**18 Nm): (T) Val=4.51, Plg=0, Azm=316; (N) Val=-0.21, Plg=86, Azm=48; (P) Val=-4.30, Plg=4, Azm=226; Best double couple: Mo=4.4*10**18 Nm; NP1: Strike=1, Dip=87, Slip=-177; NP2: Strike=271, Dip=87, Slip=-3.
25	12	22	12.0&	44.780	N	110.940	W	5				28	YELLOWSTONE REGION, WYOMING. <SLC-P>. ML 3.0 (GS), 3.0 (BUT).
25	12	32	58.4&	20.109	N	99.293	W	11				9	CENTRAL MEXICO. <UNM>. MD 3.2 (UNM).
25	12	46	16.0&	39.750	N	122.850	W	2				8	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
25	12	55	54.8	37.015	N	116.642	W	5	G		1.3	7	SOUTHERN NEVADA. ML 3.3 (GS). Felt at Beatty.
25	13	04	59.2	55.694	S	25.047	W	33	N	5.0	0.8	43	SOUTH SANDWICH ISLANDS REGION
25	13	14	59.0	63.561	S	147.862	E	10	G	5.4 5.8	0.8	131	SOUTH OF AUSTRALIA
25	13	19	58.0*	62.760	S	149.146	E	10	G	4.4	1.2	16	BALLENY ISLANDS REGION
25	14	21	08.4	63.613	S	147.956	E	10	G	4.7	1.1	45	SOUTH OF AUSTRALIA
25	15	11	15.0*	5.935	S	128.266	E	385	*	4.6	1.1	14	BANDA SEA
25	15	12	43.2*	35.947	N	70.607	E	108	D	4.2	0.5	14	HINDU KUSH REGION, AFGHANISTAN
25	15	15	40.0&	62.925	N	151.343	W	111				43	CENTRAL ALASKA. <AEIC>.
25	15	57	10.5*	23.538	S	179.784	W	550	G	4.3	0.9	26	SOUTH OF FIJI ISLANDS
25	16	17	48.5&	19.570	N	67.680	W	20				5	MONA PASSAGE. <MPR>. MD 3.3 (MPR).
25	16	20	22.4*	20.460	S	177.973	W	500	G	4.0	0.9	20	FIJI ISLANDS REGION
25	16	36	42.8*	31.809	N	100.615	E	33	N	4.7	1.1	21	SICHUAN, CHINA. ML 4.4 (BJI).
25	17	05	36.3*	32.095	N	100.907	E	33	N	4.6	1.1	20	SICHUAN, CHINA. ML 4.4 (BJI).
25	17	15	57.0*	62.977	S	146.037	E	10	G	3.9	1.0	10	SOUTH OF AUSTRALIA
25	17	41	31.0*	51.584	N	16.094	E	10	G		0.6	9	POLAND. ML 3.3 (VIE).
25	18	06	54.8*	63.137	S	151.490	E	10	G	3.7	1.2	9	BALLENY ISLANDS REGION
25	18	35	47.2*	27.677	N	52.456	E	33	N	3.7	0.7	10	SOUTHERN IRAN
25	18	46	10.6	2.300	S	12.357	W	10	G	5.0 4.9	0.8	71	NORTH OF ASCENSION ISLAND
25	19	00	07.0&	33.127	S	70.283	W	11				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
25	19	16	18.0&	60.053	N	152.855	W	110				71	SOUTHERN ALASKA. <AEIC>.
25	19	18	41.1*	35.885	N	137.732	E	248		4.1	1.0	12	EASTERN HONSHU, JAPAN
25	19	36	26.7&	15.073	N	97.391	W	20				6	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.0 (UNM).
25	19	36	40.3*	62.752	S	145.152	E	10	G	4.7	0.7	20	SOUTH OF AUSTRALIA
25	20	11	14.7?	47.62	S	103.03	E	10	G	4.3	0.9	8	SOUTHEAST INDIAN RIDGE
25	20	14	48.0&	40.300	N	124.410	W	9				11	NEAR COAST OF NORTHERN CALIF. <GM-P>. ML 3.2 (GM), 3.3 (BRK). Felt (III) at Petrolia.
25	20	28	55.8&	30.919	S	71.421	W	22				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
25	21	02	55.6	24.336	S	66.990	W	197	D	5.2	1.0	230	SALTA PROVINCE, ARGENTINA. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:03:02.8; Lat 23.93 S; Lon 66.97 W; Dep 208.4; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=3.17, Plg=17, Azm=87; (N) Val=-0.91, Plg=18, Azm=351; (P) Val=-2.26, Plg=65, Azm=218; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=201, Dip=32, Slip=-55; NP2: Strike=342, Dip=64, Slip=-110.
25	22	20	16.3*	10.047	N	126.177	E	33	N	3.5	1.1	9	PHILIPPINE ISLANDS REGION
25	22	47	45.7&	60.123	N	153.125	W	127		2.5		52	SOUTHERN ALASKA. <AEIC>.
25	23	11	17.8?	47.17	N	152.03	E	33	N	3.7	1.0	9	KURIL ISLANDS
26	00	02	16.0*	7.888	S	106.577	E	33	N	3.6	1.1	10	JAWA, INDONESIA
26	00	14	30.0&	37.993	N	32.011	E	5				5	TURKEY. <ISK>. MD 3.3 (ISK).
26	00	40	48.6&	31.748	N	115.848	W	12				4	BAJA CALIFORNIA, MEXICO. <ECX>. MD 3.2 (ECX). ML 3.7 (PAS).
26	00	46	48.8&	45.065	N	26.817	E	33	N		0.8	5	ROMANIA

26	00	59	18.6*	62.866	S	148.570	E	10	G	4.5	1.3	32	BALLENY ISLANDS REGION
26	01	08	33.8	37.309	N	9.566	W	10	G		0.8	60	PORTUGAL. mbLg 3.7 (MDD). Felt in the Algarve region.
26	01	29	52.9&	61.783	N	150.028	W	38				70	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 2.9 (PMR).
26	01	45	15.4	51.651	N	16.156	E	5	G		0.6	26	POLAND. ML 4.0 (GRF), 3.6 (VIE), 3.5 (WAR).
26	02	12	41.3	41.766	N	22.813	E	10	G		0.7	8	NORTHWESTERN BALKAN REGION
26	02	43	41.9	43.509	N	147.100	E	56	D	4.9	0.8	126	KURIL ISLANDS. Felt (II JMA) in eastern Hokkaido. Also felt (II) at Yuzhno-Kurilsk, Kunashir.
26	03	14	09.8?	5.54	S	152.81	E	33	N	3.6	1.2	7	NEW BRITAIN REGION, P.N.G.
26	03	31	36.1*	55.223	N	161.200	E	200	G	3.7	1.0	11	NEAR EAST COAST OF KAMCHATKA
26	03	42	20.6*	63.976	N	149.116	W	10	G		1.3	7	CENTRAL ALASKA. ML 2.8 (PMR).
26	04	04	39.5&	16.570	N	95.704	W	50				20	OAXACA, MEXICO. <UNM>. MD 4.2 (UNM).
26	04	19	11.4*	1.189	N	127.634	E	150	G	4.1	0.7	7	HALMAHERA, INDONESIA
26	04	41	54.7&	43.110	N	1.630	W	2				7	PYRENEES. <STR>. ML 2.5 (LDG).
26	05	06	26.7&	32.277	S	71.877	W	21				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
26	06	02	13.8&	42.900	N	2.200	E	2				4	PYRENEES. <LDG>. ML 2.0 (LDG).
26	06	05	28.6*	62.692	S	147.604	E	10	G	4.2	1.0	22	SOUTH OF AUSTRALIA
26	06	06	57.3?	43.28	N	128.22	W	10	G		0.4	23	OFF COAST OF OREGON
26	06	07	01.6?	40.35	S	173.66	E	150	G		0.7	7	COOK STRAIT, NEW ZEALAND
26	06	30	02.0?	37.42	S	179.64	W	33	N	3.6	0.3	9	EAST OF NORTH ISLAND, N.Z.
26	06	33	10.4	37.581	N	142.977	E	33	N	4.4	1.2	26	OFF EAST COAST OF HONSHU, JAPAN
26	06	41	31.9*	61.872	N	157.640	E	10	G	4.3	0.9	14	EASTERN SIBERIA, RUSSIA
26	06	42	47.4*	3.684	S	151.311	E	10	G	3.7	1.1	8	NEW IRELAND REGION, P.N.G.
26	06	56	53.2*	3.441	S	127.835	E	100	G	4.2	0.6	11	SERAM, INDONESIA
26	07	13	40.3&	34.088	S	70.466	W	122				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
26	07	24	25.4&	32.617	S	71.472	W	25				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
26	08	00	35.0&	34.359	S	70.216	W	8				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
26	08	53	53.4*	63.189	S	150.386	E	10	G	4.5	0.6	15	BALLENY ISLANDS REGION
26	09	18	34.0&	31.989	S	70.291	W	118				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
26	09	52	41.2&	43.900	N	7.200	E	2				6	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.2 (LDG).
26	10	07	40.5	36.251	N	33.934	W	10	G	4.5	0.6	24	AZORES ISLANDS REGION
26	12	09	07.9?	21.65	S	169.93	E	33	N	3.6	1.2	12	LOYALTY ISLANDS REGION
26	12	24	43.2	43.569	N	127.330	W	10	G	3.8	0.8	85	OFF COAST OF OREGON
26	12	25	12.5	62.817	S	145.776	E	10	G	5.4 5.2	0.9	72	SOUTH OF AUSTRALIA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:25:19.2; Lat 62.73 S; Lon 145.69 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.99, Plg=10, Azm=331; (N) Val=1.88, Plg=70, Azm=91; (P) Val=-9.87, Plg=17, Azm=238; Best double couple: Mo=8.9*10**16 Nm; NP1: Strike=15, Dip=71, Slip=-175; NP2: Strike=284, Dip=86, Slip=-19.
26	13	07	21.3&	32.466	S	71.498	W	27				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
26	13	07	46.3	37.588	N	142.767	E	33	N	4.6	1.2	48	OFF EAST COAST OF HONSHU, JAPAN
26	13	52	41.6&	38.420	N	28.285	E	9				4	TURKEY. <ISK>. MD 2.8 (ISK).
26	13	54	09.9&	38.371	N	28.238	E	10				4	TURKEY. <ISK>. MD 2.9 (ISK).
26	14	00	21.6*	4.636	S	153.093	E	65	*	4.2	0.8	18	NEW IRELAND REGION, P.N.G.
26	14	21	53.2	38.332	S	176.340	E	5	G		1.0	11	NORTH ISLAND, NEW ZEALAND. ML 4.5 (WEL).
26	14	34	06.9*	37.201	N	71.318	E	104	D	3.8	1.1	15	AFGHANISTAN-TAJIKISTAN BORD REG.
26	14	37	04.8&	34.688	S	70.235	W	0				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.2 (GUC).
26	14	51	08.1*	62.654	S	146.032	E	10	G	4.3	0.8	15	SOUTH OF AUSTRALIA
26	15	09	37.6*	11.744	S	166.058	E	33	N	4.2	1.3	16	SANTA CRUZ ISLANDS
26	15	18	00.2&	37.792	S	73.946	W	32				7	NEAR COAST OF CENTRAL CHILE. <GUC>.
26	16	12	50.4?	3.12	S	79.67	W	100	G	4.2	1.5	15	NEAR COAST OF ECUADOR
26	16	26	11.5	43.255	N	12.969	E	10	G	5.4 4.8	1.3	377	CENTRAL ITALY. Mw 5.4 (HRV). ML 5.6 (STR), 5.6 (VIE), 5.5 (FBB), 5.5 (LDG), 5.0 (LJU), 5.0 (ROM). One person died of a heart attack at Perugia. Additional minor damage (VII) to buildings weakened by earthquakes of September 26, 1997 and their aftershocks. Damage occured at Camerino, Sant Ippolito and Urbino. Felt from Bologna to Rome. Felt (IV) at Ljubljana, Slovenia and felt throughout Slovenia. Also felt in parts of Salzburg and Tirol, Austria. Centroid, Moment Tensor (HRV): Centroid origin time 16:26:22.2; Lat 43.48 N; Lon 12.90 E; Dep 49.6; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.76, Plg=29, Azm=65; (N) Val=-0.45, Plg=18, Azm=325; (P) Val=-1.31, Plg=55, Azm=207; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=196, Dip=23, Slip=-37; NP2: Strike=320, Dip=76, Slip=-109.
26	18	21	15.6	43.942	N	28.661	W	10	G	4.5 4.0	1.0	59	NORTHERN MID-ATLANTIC RIDGE
26	19	03	27.6*	37.411	N	143.169	E	33	N	4.4	1.2	13	OFF EAST COAST OF HONSHU, JAPAN
26	19	43	28.4&	40.428	S	176.786	E	100	G		0.3	8	NORTH ISLAND, NEW ZEALAND
26	19	45	43.0	37.453	N	143.083	E	33	N	4.2	0.9	16	OFF EAST COAST OF HONSHU, JAPAN
26	19	56	08.5*	22.394	N	143.348	E	200	G	4.1	0.7	16	VOLCANO ISLANDS REGION
26	20	38	02.0	41.313	N	22.719	E	10	G		0.9	9	NORTHWESTERN BALKAN REGION. Felt (III) in the Valandovo-Gevgelija area.
26	20	52	04.5&	56.250	N	3.750	W	5				12	UNITED KINGDOM. <BGS>. ML 2.2 (BGS). Felt (III) in the Blackford area.
26	21	08	49.9*	15.452	N	91.681	W	208	*		1.0	24	MEXICO-GUATEMALA BORDER REGION. MD 4.3 (UNM).
26	23	00	01.5&	31.219	S	71.794	W	10				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC).
26	23	36	11.0	3.242	S	140.606	E	10	G	5.6 5.6	0.9	184	IRIAN JAYA, INDONESIA. Mw 5.8 (HRV), 5.7 (GS). Me 5.6 (GS). Broadband Source Parameters (GS): Dep 12; NP1: Strike=335, Dip=65, Slip=75; NP2: Strike=187, Dip=29, Slip=119; Radiated energy 5.9*10**12 Nm. Moment Tensor (GS): Dep 26; Principal axes (scale 10**17 Nm): (T) Val=3.41, Plg=75, Azm=225; (N) Val=0.14, Plg=2, Azm=323; (P) Val=-3.55, Plg=15, Azm=53; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=146, Dip=30, Slip=94; NP2: Strike=321, Dip=60, Slip=88. Centroid, Moment Tensor (HRV): Centroid origin time 23:36:18.0; Lat 3.37 S; Lon 140.79 E; Dep 15.0 Fix; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=5.67, Plg=52, Azm=250; (N) Val=0.17, Plg=22, Azm=130; (P) Val=-5.84, Plg=29, Azm=26; Best double couple: Mo=5.8*10**17 Nm; NP1: Strike=72, Dip=25, Slip=29; NP2:

Strike=314, Dip=78, Slip=112.

26	23	48	36.1	3.301	S	140.691	E	10	G	3.9	1.1	13	IRIAN JAYA, INDONESIA
26	23	55	18.5	17.419	N	101.478	W	27		3.8	1.2	37	NEAR COAST OF GUERRERO, MEXICO. MD 4.4 (UNM).
27	00	00	30.2?	3.04	S	140.63	E	33	N	3.6	1.1	5	IRIAN JAYA, INDONESIA
27	00	30	51.0	58.733	S	25.380	W	33	N	5.2 5.3	0.8	95	SOUTH SANDWICH ISLANDS REGION. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:30:57.2; Lat 59.11 S; Lon 24.78 W; Dep 27.3; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.80, Plg=69, Azm=226; (N) Val=-0.29, Plg=12, Azm=349; (P) Val=-3.51, Plg=17, Azm=83; Best double couple: Mo=3.7*10**17 Nm; NP1: Strike=191, Dip=30, Slip=115; NP2: Strike=343, Dip=63, Slip=76.
27	00	32	31.0&	76.800	N	120.120	W	18	G	4.4		7	QUEEN ELIZABETH ISLANDS, CANADA. <OTT>. ML 4.2 (OTT).
27	00	36	14.0?	63.03	S	146.22	E	10	G	4.4	1.4	11	SOUTH OF AUSTRALIA
27	00	50	03.0?	3.23	S	140.89	E	33	N	3.5	0.6	5	IRIAN JAYA, INDONESIA
27	01	19	55.8?	62.62	S	145.99	E	10	G	4.6	1.4	11	SOUTH OF AUSTRALIA
27	01	21	24.8*	33.241	N	56.870	E	33	N	4.5	1.1	26	NORTHERN IRAN
27	01	27	03.2?	19.41	S	177.51	W	600	G	3.8	1.0	14	FIJI ISLANDS REGION
27	01	33	20.6?	38.87	N	29.57	W	10	G	4.3	0.8	10	AZORES ISLANDS
27	01	42	07.9*	63.243	S	144.610	E	10	G	4.3	0.5	12	SOUTH OF AUSTRALIA
27	01	43	18.2?	13.66	S	167.19	E	33	N		1.4	19	VANUATU ISLANDS
27	01	55	17.3?	21.63	S	169.87	E	33	N	4.1	1.1	19	LOYALTY ISLANDS REGION
27	02	17	02.0*	21.023	N	38.227	E	10	G	4.5	0.9	13	RED SEA
27	02	44	28.8?	59.46	S	28.14	W	33	N		1.4	7	SOUTH SANDWICH ISLANDS REGION
27	02	49	54.6&	32.381	S	70.315	W	114				23	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.3 (GUC).
27	03	18	49.4?	44.67	N	15.32	E	10	G		0.5	7	NORTHWESTERN BALKAN REGION. ML 2.1 (LJU).
27	03	46	52.1&	18.660	N	64.250	W	50				6	VIRGIN ISLANDS. <MPR>. MD 3.4 (MPR).
27	04	11	46.1*	6.467	N	73.628	W	33	N	4.3	0.9	16	NORTHERN COLOMBIA
27	04	29	49.6	30.029	N	57.590	E	33	N	4.9	0.9	76	NORTHERN IRAN
27	05	02	32.3*	37.646	N	142.055	E	100	G	3.8	1.3	9	OFF EAST COAST OF HONSHU, JAPAN
27	05	30	59.3&	15.752	N	96.365	W	36				8	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.2 (UNM).
27	06	30	48.3	31.885	N	130.518	E	33	N	3.6	1.0	16	KYUSHU, JAPAN. Felt (III JMA) in northern Kagoshima; (II JMA) in other parts of Kagoshima and eastern Nagasaki; (I JMA) in southern Kumamoto and northern Miyazaki Prefectures.
27	06	47	53.6&	32.027	S	71.587	W	29				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
27	07	39	32.6	23.007	S	68.013	W	100	G	4.6	0.8	24	NORTHERN CHILE
27	08	25	57.8&	63.250	N	150.482	W	124				33	CENTRAL ALASKA. <AEIC>.
27	08	51	51.2	35.870	N	28.482	E	10	G		0.5	15	EASTERN MEDITERRANEAN SEA. MD 3.3 (ISK).
27	08	57	01.3*	62.890	S	148.467	E	10	G	3.7	1.4	10	BALLENY ISLANDS REGION
27	09	41	24.9*	3.142	S	140.383	E	33	N	3.7	1.3	9	IRIAN JAYA, INDONESIA
27	10	21	07.0&	40.420	N	125.150	W	0				4	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
27	10	47	15.9*	63.304	S	148.538	E	10	G	4.5	1.4	35	BALLENY ISLANDS REGION
27	11	22	04.8&	41.500	N	1.400	E	2				4	SPAIN. <LDG>. ML 2.5 (LDG).
27	12	17	53.4	38.825	N	25.961	E	10	G	4.2	1.0	89	AEGEAN SEA. MD 4.1 (ISK).
27	13	04	43.9&	40.191	N	29.529	E	15				4	TURKEY. <ISK>. MD 2.7 (ISK).
27	13	41	34.6?	61.28	S	148.75	E	10	G	3.9	1.5	7	BALLENY ISLANDS REGION
27	13	57	57.9&	31.596	S	69.581	W	179				14	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.8 (GUC).
27	14	30	54.2?	7.47	N	127.04	E	81	?	4.3	1.5	6	PHILIPPINE ISLANDS REGION
27	14	35	37.7*	24.486	S	66.184	W	33	N	4.5	0.8	5	SALTA PROVINCE, ARGENTINA
27	14	42	51.5	6.692	S	129.710	E	159	*	4.4	1.0	26	BANDA SEA
27	14	50	30.4&	59.895	N	153.044	W	115				50	SOUTHERN ALASKA. <AEIC>.
27	15	19	11.4*	5.690	N	125.982	E	126	*	4.1	0.9	14	MINDANAO, PHILIPPINE ISLANDS
27	15	19	26.2&	44.014	N	7.616	E	1				10	NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
27	15	56	56.7?	61.19	S	153.25	E	10	G	4.1	0.9	8	BALLENY ISLANDS REGION
27	16	31	54.8	6.304	N	94.392	E	91		4.7	0.8	98	NICOBAR ISLANDS, INDIA
27	16	47	05.0	51.148	N	15.997	E	5	G		0.6	8	POLAND. ML 3.1 (VIE), 2.7 (WAR).
27	17	05	43.8&	61.946	N	152.007	W	0				39	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
27	17	36	36.8&	40.741	N	29.950	E	5				6	TURKEY. <ISK>. MD 2.8 (ISK).
27	19	34	47.9&	40.996	N	121.596	W	19				13	NORTHERN CALIFORNIA. <GM-P>. MD 3.6 (GM). ML 3.7 (BRK).
27	19	37	12.0	17.904	S	178.643	W	550	G	4.2	1.0	52	FIJI ISLANDS REGION
27	19	43	29.6	30.043	N	81.644	E	33	N	3.7	0.8	11	XIZANG
27	19	54	05.5*	73.080	N	6.159	E	10	G	4.3	1.4	8	GREENLAND SEA
27	19	55	45.9&	40.995	N	121.581	W	9				9	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK).
27	19	57	49.5	20.083	S	69.010	W	110	*	4.8	1.1	52	NORTHERN CHILE. Felt (IV) at Huara, Iquique, La Tirana, Mamina, Pica and Pozo Almonte.
27	20	25	32.1	51.162	N	15.851	E	5	G		0.7	8	POLAND. ML 2.9 (VIE), 2.7 (WAR).
27	20	30	09.4*	30.627	N	82.321	E	33	N		1.1	7	XIZANG
27	22	26	46.2&	43.653	N	7.892	E	12				11	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.1 (GEN).
27	23	06	01.0&	51.300	N	6.300	E	16				12	GERMANY. <LDG>. ML 2.8 (LDG), 2.3 (STR), 2.2 (UCC).
28	00	29	57.9	38.199	N	38.786	E	5	G	4.6 3.7	1.1	119	TURKEY. MD 4.3 (ISK). Felt at Adiyaman.
28	02	06	38.7&	40.993	N	121.577	W	10				14	NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.6 (BRK).
28	02	31	59.2&	38.791	N	122.773	W	3				12	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK).
28	03	11	28.8&	32.191	S	71.019	W	65				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
28	03	40	06.8&	44.150	N	7.068	E	12				8	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
28	03	47	00.2?	22.65	S	172.13	E	33	N	4.3	1.5	18	LOYALTY ISLANDS REGION
28	04	13	49.7?	36.84	N	71.80	E	100	G	3.9	1.5	10	AFGHANISTAN-TAJIKISTAN BORD REG.
28	04	22	16.8&	33.338	S	72.877	W	29				10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
28	04	25	55.1	4.151	N	85.722	W	33	N	4.8	1.0	45	OFF COAST OF CENTRAL AMERICA
28	04	28	33.0*	14.597	S	172.831	E	600	G	4.4	0.8	23	VANUATU ISLANDS REGION
28	05	19	34.9*	3.041	S	140.721	E	33	N	3.4	1.1	8	IRIAN JAYA, INDONESIA
28	06	10	12.8&	48.800	N	4.000	W	16				7	FRANCE. <LDG>. ML 2.9 (LDG).
28	06	34	50.2	63.528	S	148.212	E	10	G	4.7 4.8	1.0	43	BALLENY ISLANDS REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:34:57.0; Lat 63.54 S; Lon 147.80 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.11, Plg=19, Azm=321; (N) Val=0.92, Plg=70, Azm=162; (P) Val=-8.03, Plg=7, Azm=53; Best double couple: Mo=7.6*10**16 Nm; NP1: Strike=98, Dip=72, Slip=9; NP2: Strike=6, Dip=81, Slip=161.
28	06	47	18.9	14.657	S	71.660	W	127		4.6	0.8	39	CENTRAL PERU
28	07	09	11.0*	17.300	N	101.168	W	10	G		1.1	8	NEAR COAST OF GUERRERO, MEXICO. MD 3.9 (UNM).
28	07	31	57.9&	38.820	N	122.806	W	6				22	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.2 (BRK).
28	07	37	51.7	6.682	N	123.472	E	33	N	4.7 4.4	0.9	27	MINDANAO, PHILIPPINE ISLANDS

28	07	58	48.1	29.776	N	57.529	E	33	N	4.4		0.7	32	SOUTHERN IRAN
28	08	58	43.6	14.739	S	71.676	W	127	*	4.5		0.9	41	CENTRAL PERU
28	11	37	01.8*	33.193	N	132.300	E	33	N			0.8	9	SHIKOKU, JAPAN
28	11	44	28.8	16.926	S	69.300	W	180		4.6		1.0	54	PERU-BOLIVIA BORDER REGION
28	13	22	31.2*	62.996	S	147.289	E	10	G	4.4		0.9	16	SOUTH OF AUSTRALIA
28	13	27	06.6	22.923	S	172.303	E	33	N	5.6	5.3	1.1	85	LOYALTY ISLANDS REGION. Mw 5.6 (GS), 5.6 (HRV). Moment Tensor (GS): Dep 10; Principal axes (scale 10**17 Nm): (T) Val=2.67, Plg=40, Azm=27; (N) Val=-0.01, Plg=21, Azm=279; (P) Val=-2.67, Plg=43, Azm=167; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=184, Dip=21, Slip=-5; NP2: Strike=278, Dip=88, Slip=-111. Centroid, Moment Tensor (HRV): Centroid origin time 13:27:12.1; Lat 22.98 S; Lon 172.41 E; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.84, Plg=65, Azm=355; (N) Val=0.12, Plg=0, Azm=264; (P) Val=-2.96, Plg=25, Azm=174; Best double couple: Mo=2.9*10**17 Nm; NP1: Strike=263, Dip=20, Slip=89; NP2: Strike=84, Dip=70, Slip=90.
28	14	50	35.8*	36.595	N	140.896	E	60	D	4.1		1.1	19	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in northern Ibaraki; (I JMA) in eastern Fukushima, southern Ibaraki and eastern Tochigi Prefectures.
28	15	22	00.5&	43.500	N	5.600	E	4					22	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.4 (STR), 2.3 (LDG).
28	15	22	46.5&	60.636	N	141.673	W	14					18	SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC).
28	15	57	02.0&	40.862	N	30.345	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
28	16	48	52.1	37.343	N	20.921	E	33	N	3.8		1.2	30	IONIAN SEA
28	17	19	26.7*	16.507	S	73.161	W	85	*	3.4		0.9	10	NEAR COAST OF PERU
28	17	20	13.4?	9.53	S	28.85	E	10	G	4.4		1.4	12	ZAIRE
28	17	43	15.0&	63.185	N	151.347	W	13					26	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.7 (PMR).
28	17	44	55.5*	43.456	N	146.569	E	84	*	4.5		1.3	23	KURIL ISLANDS
28	18	13	23.9&	41.170	N	22.590	E	9					9	NORTHWESTERN BALKAN REGION. <SKO>. Felt (III) in the Gevgelija area.
28	18	23	04.5	6.280	S	130.419	E	100	G	4.0		1.0	17	BANDA SEA
28	18	34	55.7&	39.754	N	122.844	W	1					8	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
28	19	05	35.6&	48.100	N	6.500	E	13					66	FRANCE. <LDG>. ML 3.1 (LDG), 2.9 (STR), 2.6 (FBB).
28	19	15	45.5&	48.000	N	6.500	E	15					17	FRANCE. <LDG>. ML 2.1 (LDG), 2.0 (FBB), 1.8 (STR).
28	19	59	11.0*	5.791	S	80.684	W	33	N	4.7		1.0	34	NEAR COAST OF NORTHERN PERU
28	20	09	08.3*	18.081	S	177.926	W	600	G	4.3		1.2	34	FIJI ISLANDS REGION
28	20	50	58.4&	62.155	N	150.300	W	56					20	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
28	21	54	11.5*	10.925	N	62.417	W	100	G	4.1		1.2	14	NEAR COAST OF VENEZUELA
28	21	59	56.1	6.024	S	29.525	E	10	G	5.3	4.8	1.0	199	LAKE TANGANYIKA REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:00:02.7; Lat 5.92 S; Lon 29.17 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.28, Plg=40, Azm=105; (N) Val=-0.41, Plg=42, Azm=325; (P) Val=-0.88, Plg=21, Azm=214; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=257, Dip=45, Slip=16; NP2: Strike=155, Dip=79, Slip=133.
28	22	11	25.0?	25.67	S	178.75	E	600	G	4.4		1.1	21	SOUTH OF FIJI ISLANDS
28	22	54	51.6*	2.633	S	139.385	E	33	N	3.2		1.2	8	NEAR NORTH COAST OF IRIAN JAYA
29	00	19	26.5*	6.879	N	72.986	W	163				0.6	9	NORTHERN COLOMBIA
29	01	03	02.7?	44.97	N	125.11	W	10	G			0.7	23	OFF COAST OF OREGON
29	01	16	07.7?	2.60	N	97.98	E	100	G			1.3	7	NORTHERN SUMATERA, INDONESIA
29	01	48	40.4&	12.685	N	92.996	E	33	N			0.9	8	ANDAMAN ISLANDS, INDIA
29	02	00	12.5&	59.550	N	152.704	W	73					30	SOUTHERN ALASKA. <AEIC>.
29	02	01	38.6&	39.054	N	29.035	E	6					5	TURKEY. <ISK>. MD 2.7 (ISK).
29	02	46	11.6&	45.000	N	6.700	E	2					4	FRANCE. <LDG>.
29	03	50	21.6	12.424	S	139.220	E	33	N	4.7		1.1	68	GULF OF CARPENTARIA
29	04	00	25.5&	59.273	N	151.825	W	53					45	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.2 (AEIC).
29	04	52	44.6*	14.952	N	92.771	W	33	N	4.2		1.3	29	NEAR COAST OF CHIAPAS, MEXICO. MD 4.7 (UNM).
29	04	54	30.8*	8.715	N	127.094	E	33	N	4.2		1.2	22	PHILIPPINE ISLANDS REGION
29	05	14	20.0	8.301	S	121.415	E	203		5.0		1.3	57	FLORES REGION, INDONESIA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:14:22.3; Lat 7.93 S; Lon 121.31 E; Dep 175.9; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.08, Plg=36, Azm=342; (N) Val=-0.13, Plg=11, Azm=243; (P) Val=-0.95, Plg=51, Azm=139; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=119, Dip=14, Slip=-34; NP2: Strike=242, Dip=82, Slip=-101.
29	05	50	42.9?	14.70	S	172.56	E	500	G	4.2		0.9	28	VANUATU ISLANDS REGION
29	06	03	01.2*	21.300	N	120.003	E	33	N	3.6		0.3	7	TAIWAN REGION
29	06	14	40.2*	10.145	N	126.612	E	33	N	4.4		1.1	20	PHILIPPINE ISLANDS REGION
29	06	27	29.0*	1.927	N	126.816	E	33	N	4.3		0.6	14	NORTHERN MOLUCCA SEA
29	07	14	16.2	17.013	N	94.850	W	100	G	4.1		1.5	31	CHIAPAS, MEXICO. MD 4.4 (UNM).
29	07	14	58.9	0.239	S	17.932	W	10	G	5.5	5.6	1.0	300	NORTH OF ASCENSION ISLAND. Mw 6.1 (HRV), 6.0 (GS). Me 6.2 (GS). Broadband Source Parameters (GS): Dep 16; NP1: Strike=185, Dip=90, Slip=8; NP2: Strike=95, Dip=82, Slip=180; Radiated energy 4.3*10**13 Nm. Moment Tensor (GS): Dep 13; Principal axes (scale 10**18 Nm): (T) Val=1.22, Plg=0, Azm=31; (N) Val=0.04, Plg=87, Azm=127; (P) Val=-1.26, Plg=3, Azm=301; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=76, Dip=87, Slip=-178; NP2: Strike=346, Dip=88, Slip=-3. Centroid, Moment Tensor (HRV): Centroid origin time 07:15:06.4; Lat 0.16 N; Lon 17.87 W; Dep 15.0 Fix; Half-duration 2.7 sec; Principal axes (scale 10**18 Nm): (T) Val=1.72, Plg=8, Azm=34; (N) Val=-0.11, Plg=81, Azm=236; (P) Val=-1.61, Plg=3, Azm=124; Best double couple: Mo=1.7*10**18 Nm; NP1: Strike=169, Dip=82, Slip=3; NP2: Strike=79, Dip=87, Slip=172.
29	07	30	18.1&	38.901	N	25.886	E	10					37	AEGEAN SEA. <ISK>. ML 3.8 (THE). MD 3.7 (ISK).
29	07	30	56.3*	21.856	S	68.476	W	100	G	4.1		1.1	12	CHILE-BOLIVIA BORDER REGION
29	07	38	51.5*	53.145	S	23.810	E	10	G	4.1		1.1	22	SOUTH OF AFRICA

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29  07 41 13.8  51.107 N  178.809 E   43 D  4.3          0.9   34  RAT ISLANDS, ALEUTIAN ISLANDS
29  08 36 33.5& 20.098 N   99.508 W    8                        11  CENTRAL MEXICO. <UNM>. MD 3.3 (UNM).
29  09 30 23.9* 6.294  S  153.714 E   33 N  3.8          0.9   14  NEW BRITAIN REGION, P.N.G.
29  10 04 05.1& 34.110 S   70.436 W  115                         9  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
29  10 06 38.4? 63.16  S  150.32  E   10 G  4.0          1.0    8  BALLENY ISLANDS REGION
29  10 46 58.6* 51.092 N  178.752 E   40 D  4.0          1.1   22  RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.2 (PMR).
29  11 41 33.3* 62.900 S  145.466 E   10 G  4.5 4.6       0.9   19  SOUTH OF AUSTRALIA
29  11 54 06.0& 31.028 S   70.887 W    0                        10  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
29  12 07 13.5& 63.394 N  151.324 W   17      2.5              37  CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.5 (PMR). Double
                                                                   event.
29  12 12 42.0& 38.250 N  111.350 W    4      3.0              13  UTAH. <SLC-P>. ML 3.2 (SLC), 3.0 (GS). Felt in the Capitol
                                                                   Reef area.
29  12 37 07.8* 3.876  N   94.739 E   33 N  3.9          1.2   11  OFF W COAST OF NORTHERN SUMATERA
29  12 42 10.0& 59.320 N  153.634 W  121      2.8              42  SOUTHERN ALASKA. <AEIC>.
29  13 15 46.2& 9.050  S  115.900 E   80      3.1               8  SOUTH OF BALI, INDONESIA. <DJA>.
29  14 24 14.3& 38.196 N   34.468 E   10 G                      9  TURKEY. <ISK>. MD 3.9 (ISK).
29  14 49 51.0& 44.500 N    6.900 E    2                       29  FRANCE. <LDG>. ML 2.5 (GEN), 2.3 (LDG), 2.3 (STR).
29  15 05 53.8? 51.97  N  175.83  W   33 N  3.4          0.2    5  ANDREANOF ISLANDS, ALEUTIAN IS.
29  15 22 56.6& 36.770 N    7.380 W   15                        18  STRAIT OF GIBRALTAR. <MDD>. mbLg 3.3 (MDD).
29  15 36 02.4* 36.172 N  141.263 E   33 N  3.8          0.6    7  NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in eastern
                                                                   Ibaraki and (I JMA) in southern Fukushima and southern
                                                                   Ibaraki Prefectures.
29  15 55 58.2  6.516  S  128.167 E  326      5.1              0.9  119  BANDA SEA. Mw 5.4 (HRV).
                                                                   Centroid, Moment Tensor (HRV): Centroid origin time
                                                                    15:55:56.9; Lat 6.56 S; Lon 127.55 E; Dep 322.3; Half-
                                                                    duration 1.0 sec; Principal axes (scale 10**17 Nm): (T)
                                                                    Val=1.57, Plg=49, Azm=176; (N) Val=-0.46, Plg=35, Azm=318;
                                                                    (P) Val=-1.11, Plg=19, Azm=62; Best double couple:
                                                                    Mo=1.3*10**17 Nm; NP1: Strike=194, Dip=40, Slip=153; NP2:
                                                                    Strike=306, Dip=73, Slip=53.
29  16 13 24.4& 16.971 N  100.191 W   27                        22  NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.1 (UNM).
29  16 18 22.9  6.309  S  154.761 E   85 *  4.3          1.0   23  SOLOMON ISLANDS
29  16 21 39.0* 19.609 N  146.632 E  100 G  3.7          0.7    8  MARIANA ISLANDS REGION
29  17 23 08.7& 36.540 N    3.230 W   14                         9  STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
29  18 10 15.9& 63.373 N  151.593 W   21                        40  CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.7 (PMR).
29  18 19 10.0& 36.693 N  121.322 W    4                         9  CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
29  18 24 40.8& 36.630 N    7.450 W    9                        12  STRAIT OF GIBRALTAR. <MDD>. mbLg 2.0 (MDD).
29  19 46 47.8* 51.127 N   15.860 E    5 G                  0.6    6  POLAND. ML 2.9 (VIE).
29  19 48 16.2  17.552 S  179.092 W  537 D  6.5          1.0  553  FIJI ISLANDS REGION. Mw 7.2 (HRV), 7.1 (GS). Me 7.2 (GS). mb
                                                                    7.2 (BRK).
                                                                   Broadband Source Parameters (GS): Dep 543; NP1: Strike=115,
                                                                    Dip=75, Slip=40; NP2: Strike=13, Dip=52, Slip=161; Radiated
                                                                    energy 1.2*10**15 Nm.
                                                                   Moment Tensor (GS): Dep 561; Principal axes (scale 10**19
                                                                    Nm): (T) Val=5.24, Plg=48, Azm=333; (N) Val=-0.02, Plg=39,
                                                                    Azm=129; (P) Val=-5.23, Plg=12, Azm=229; Best double
                                                                    couple: Mo=5.2*10**19 Nm; NP1: Strike=357, Dip=48,
                                                                    Slip=149; NP2: Strike=109, Dip=67, Slip=47.
                                                                   Centroid, Moment Tensor (HRV): Centroid origin time
                                                                    19:48:23.3; Lat 17.57 S; Lon 178.85 W; Dep 553.7; Half-
                                                                    duration 9.3 sec; Principal axes (scale 10**19 Nm): (T)
                                                                    Val=6.39, Plg=41, Azm=328; (N) Val=0.03, Plg=47, Azm=125;
                                                                    (P) Val=-6.42, Plg=12, Azm=227; Best double couple:
                                                                    Mo=6.4*10**19 Nm; NP1: Strike=359, Dip=53, Slip=156; NP2:
                                                                    Strike=104, Dip=71, Slip=40.
                                                                   Scalar Moment (PPT): Mo=2.6*10**19 Nm.
29  20 01 50.3* 17.511 S  179.063 W  500 G  5.0          1.2   34  FIJI ISLANDS REGION
29  20 08 13.6? 17.48  S  178.92  W  500 G                  0.4    9  FIJI ISLANDS REGION
29  20 16 31.8* 17.440 S  179.037 W  500 G  4.2          0.9   30  FIJI ISLANDS REGION
29  20 38 40.9  17.655 S  179.029 W  530 D  5.6          0.8  345  FIJI ISLANDS REGION
29  20 54 07.3& 54.669 N  161.918 W   56                        12  ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
29  20 55 12.4* 17.448 S  179.013 W  500 G  4.1          0.9   27  FIJI ISLANDS REGION
29  21 03 03.2& 43.700 N    6.200 E    2                       10  NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.1 (STR), 1.8 (LDG).
29  21 10 34.3? 17.47  S  178.92  W  500 G  3.9          1.3   18  FIJI ISLANDS REGION
29  21 17 57.5* 17.407 S  179.158 W  500 G  3.9          1.0   23  FIJI ISLANDS REGION
29  21 22 39.5? 17.73  S  178.69  W  500 G  3.3          1.4   11  FIJI ISLANDS REGION
29  21 30 28.7* 13.338 S   66.777 E   10 G  4.7          0.7   30  MID-INDIAN RIDGE
29  21 45 43.6  17.429 S  179.028 W  500 G  4.3          1.0   45  FIJI ISLANDS REGION
29  21 51 05.8  17.489 S  179.026 W  500 G  3.9          0.8   22  FIJI ISLANDS REGION
29  21 53 36.6? 17.50  S  178.90  W  500 G  3.9          0.9   14  FIJI ISLANDS REGION
29  22 37 46.4* 17.586 S  179.099 W  600 G  3.4          0.6    9  FIJI ISLANDS REGION
29  22 48 49.1* 36.390 N    3.157 E   10 G                  0.6   15  NORTHERN ALGERIA. ML 3.5 (LDG). mbLg 2.8 (MDD).
29  22 50 17.8? 17.02  S  179.35  W  500 G  3.6          0.9   11  FIJI ISLANDS REGION
29  22 51 13.4  46.264 N   12.639 E   10 G                  0.9   11  NORTHERN ITALY. ML 2.6 (VIE), 2.5 (LJU).
29  22 53 27.9& 63.523 N  151.209 W   14                        38  CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
29  23 16 04.6  17.659 S  178.840 W  500 G  4.6          0.9   93  FIJI ISLANDS REGION
29  23 21 23.7  17.709 S  178.842 W  528 D  5.0          0.8  205  FIJI ISLANDS REGION
29  23 29 36.3* 6.986  S  126.633 E  419 *  4.4          0.9   20  BANDA SEA
29  23 44 14.9  17.931 S  178.624 W  580 D  4.8          0.8  120  FIJI ISLANDS REGION
30  01 04 36.5  37.295 N  142.899 E   32 D  4.9 4.6       0.9   76  OFF EAST COAST OF HONSHU, JAPAN
30  02 18 51.6& 33.810 S   70.368 W  108                        11  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
30  02 39 19.3? 42.84  N  142.08  E   94 ?  3.6          0.2    7  HOKKAIDO, JAPAN  REGION
30  02 48 20.6  44.356 N   10.796 E    5 G                  0.9   19  NORTHERN ITALY. ML 2.9 (LDG).
30  02 48 58.7? 44.62  N   11.06  E   10 G                  1.2    7  NORTHERN ITALY. ML 2.8 (LDG).
30  03 02 49.6  9.909  S  119.119 E   27 D  5.1 4.9       1.4   86  SUMBA REGION, INDONESIA
30  03 09 25.6& 9.858  S  119.055 E   33 N                  1.2    9  SUMBA REGION, INDONESIA
30  03 31 18.1* 9.931  S  119.052 E   33 N  3.9          1.4   13  SUMBA REGION, INDONESIA
30  03 40 38.8& 34.383 N  116.459 W    4                         5  SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
30  04 06 02.2  15.964 S  167.940 E  179 D  5.2          1.3  165  VANUATU ISLANDS. Mw 5.6 (HRV).
                                                                   Centroid, Moment Tensor (HRV): Centroid origin time
                                                                    04:06:05.5; Lat 15.99 S; Lon 168.16 E; Dep 175.6; Half-
                                                                    duration 1.4 sec; Principal axes (scale 10**17 Nm): (T)
                                                                    Val=3.10, Plg=43, Azm=153; (N) Val=-0.83, Plg=14, Azm=257;
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													(P) Val=-2.26, Plg=44, Azm=1; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=169, Dip=14, Slip=-178; NP2: Strike=77, Dip=90, Slip=-76.
30	04	27	01.0*	13.314	S	66.811	E	10	G	4.7	4.0	1.1	28	MID-INDIAN RIDGE
30	04	56	36.5*	37.284	N	143.244	E	35	D	3.7		1.0	7	OFF EAST COAST OF HONSHU, JAPAN
30	05	08	02.2	6.714	N	72.932	W	175	D	4.5		0.9	101	NORTHERN COLOMBIA. Felt in the epicentral area and at Bucaramanga.
30	05	43	18.0?	38.60	N	24.93	E	10	G			0.5	5	AEGEAN SEA. MD 3.2 (ISK).
30	06	20	17.9?	14.12	N	119.06	E	28	D	3.9		1.5	11	LUZON, PHILIPPINE ISLANDS
30	06	37	11.1?	18.93	S	177.45	W	500	G	4.0		1.0	12	FIJI ISLANDS REGION
30	06	59	42.2*	14.821	N	144.572	E	33	N			1.1	8	MARIANA ISLANDS
30	07	26	26.7&	58.747	N	154.604	W	111					83	ALASKA PENINSULA. <AEIC>.
30	08	17	44.3*	16.057	S	174.705	W	10	G	4.8	4.6	1.3	52	TONGA ISLANDS
30	09	04	21.8?	5.60	S	152.79	E	33	N	4.2		1.4	8	NEW BRITAIN REGION, P.N.G.
30	09	31	09.8&	65.462	N	148.117	W	15					27	NORTHERN ALASKA. <AEIC>. ML 3.4 (AEIC). Felt at Fairbanks.
30	09	54	48.6?	13.95	N	121.37	E	33	N	4.1		1.4	13	MINDORO, PHILIPPINE ISLANDS
30	10	12	01.1*	6.942	S	126.759	E	406	?	4.1		0.8	17	BANDA SEA
30	10	28	19.6&	18.170	N	68.130	W	64					5	MONA PASSAGE. <MPR>. MD 3.0 (MPR).
30	10	28	50.2&	43.450	N	5.540	E	5	G				11	NEAR SOUTH COAST OF FRANCE. <STR>. ML 2.5 (STR). Mining induced event in the Gardanne area.
30	11	02	55.8*	37.580	N	72.097	E	147	*	4.2		0.7	31	TAJIKISTAN
30	11	28	28.8&	37.903	N	30.532	E	7					4	TURKEY. <ISK>. MD 2.9 (ISK).
30	12	17	52.9&	60.982	N	147.302	W	26					50	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
30	12	22	25.1*	5.994	S	145.809	E	33	N	3.2		1.2	9	EASTERN NEW GUINEA REG., P.N.G.
30	12	46	23.6*	43.115	N	127.295	W	10	G			0.5	33	OFF COAST OF OREGON
30	12	51	39.0*	44.687	N	6.699	E	10	G			0.5	8	FRANCE
30	13	22	53.5&	34.341	S	72.098	W	26					9	NEAR COAST OF CENTRAL CHILE. <GUC>.
30	14	21	33.2*	4.724	S	152.444	E	96	*	4.0		0.9	14	NEW BRITAIN REGION, P.N.G.
30	15	31	34.1	30.826	S	72.323	W	33	N	4.4		0.8	21	OFF COAST OF CENTRAL CHILE. MD 5.0 (GUC). Felt (II) at Coquimbo and La Serena.
30	15	44	07.9*	51.791	N	168.184	W	33	N	4.3		1.1	22	FOX ISLANDS, ALEUTIAN ISLANDS
30	16	09	22.3&	33.139	S	70.232	W	113					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
30	17	19	59.7?	62.54	S	149.59	E	10	G	4.0		1.0	6	BALLENY ISLANDS REGION
30	17	23	29.4?	24.30	S	13.26	W	10	G	4.5	3.9	1.2	10	SOUTHERN MID-ATLANTIC RIDGE
30	18	04	38.0&	18.630	N	66.560	W	9					9	PUERTO RICO REGION. <MPR>. MD 2.9 (MPR).
30	18	28	27.5	23.818	S	67.754	W	106		4.9		0.9	113	CHILE-ARGENTINA BORDER REGION
30	18	54	52.4&	32.514	S	70.375	W	89					6	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
30	19	41	48.1?	4.54	S	128.97	E	33	N	3.5		1.3	7	BANDA SEA
30	20	49	00.1&	46.600	N	7.300	E	2					84	SWITZERLAND. <LDG>. ML 3.3 (LDG), 3.3 (STR), 2.7 (FBB).
30	21	11	33.1	47.151	N	9.286	E	5	G			0.9	24	GERMANY. ML 2.6 (STR), 2.6 (VIE), 2.5 (LDG), 2.4 (FBB).
30	22	39	41.2?	38.83	S	176.28	E	130	G			0.3	8	NORTH ISLAND, NEW ZEALAND
30	23	33	40.1&	42.780	N	7.160	W	0	G				7	SPAIN. <MDD>. mbLg 2.6 (MDD).
30	23	55	45.2	28.211	N	76.241	E	10	G	3.9		0.7	9	NORTHERN INDIA
31	00	00	15.3&	42.790	N	7.220	W	10					9	SPAIN. <MDD>. mbLg 3.2 (MDD). Felt (III) in the epicentral area.
31	00	01	23.8&	42.820	N	7.280	W	9		4.1			113	SPAIN. <MDD>. ML 4.5 (LDG). mbLg 4.1 (MDD). Felt (V) at Becerrea and Sarria.
31	00	11	49.3&	42.830	N	7.260	W	15					6	SPAIN. <MDD>. mbLg 2.5 (MDD).
31	00	25	53.3&	61.952	N	151.027	W	47					44	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.0 (PMR).
31	00	53	35.5&	37.569	N	118.869	W	6					7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
31	01	09	53.2&	19.269	N	98.449	W	48					4	CENTRAL MEXICO. <UNM>. MD 3.4 (UNM).
31	01	24	07.8	62.631	S	147.086	E	10	G	5.2	5.1	1.0	49	SOUTH OF AUSTRALIA. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:24:14.3; Lat 62.65 S; Lon 147.13 E; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=4.74, Plg=10, Azm=147; (N) Val=-0.63, Plg=79, Azm=295; (P) Val=-4.11, Plg=6, Azm=56; Best double couple: Mo=4.4*10**17 Nm; NP1: Strike=192, Dip=79, Slip=177; NP2: Strike=282, Dip=87, Slip=11.
31	01	32	48.5&	44.440	N	7.263	E	7					9	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
31	01	43	53.1*	62.658	S	147.395	E	10	G	4.5		1.1	25	SOUTH OF AUSTRALIA
31	02	38	01.0&	33.385	S	70.351	W	99					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
31	03	26	40.3&	42.780	N	7.210	W	1					7	SPAIN. <MDD>. mbLg 2.3 (MDD).
31	04	01	37.3*	36.627	N	12.694	W	10	G			0.7	28	NORTH ATLANTIC OCEAN. mbLg 3.1 (MDD).
31	04	21	52.9&	59.847	N	153.427	W	131					40	SOUTHERN ALASKA. <AEIC>.
31	04	25	44.0?	25.60	S	69.69	E	10	G	3.9		1.2	5	SOUTH INDIAN OCEAN
31	04	37	06.7&	40.589	N	27.818	E	5					5	TURKEY. <ISK>. MD 2.6 (ISK).
31	05	23	48.0&	61.290	N	139.420	W	10	G				35	SOUTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 3.9 (PGC), 3.6 (AEIC).
31	05	30	28.5?	55.36	N	160.46	E	33	N	4.1		1.2	9	KAMCHATKA
31	05	52	36.5*	43.893	N	28.460	W	10	G	4.2		0.8	10	NORTHERN MID-ATLANTIC RIDGE
31	05	55	16.8&	44.439	N	7.276	E	13					5	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
31	06	19	29.6&	37.070	N	3.890	W	0	G				4	SPAIN. <MDD>. mbLg 1.8 (MDD).
31	07	04	39.2&	16.038	N	95.934	W	11					9	OAXACA, MEXICO. <UNM>. MD 4.5 (UNM).
31	07	06	22.9&	40.640	N	29.130	E	10	G				4	TURKEY. <ISK>. MD 2.6 (ISK).
31	08	41	24.2	20.099	N	121.428	E	45	D	4.8	4.5	0.9	67	PHILIPPINE ISLANDS REGION
31	09	22	15.8*	6.109	S	147.875	E	80		4.4		1.2	23	EASTERN NEW GUINEA REG., P.N.G.
31	09	35	57.7&	37.070	N	3.860	W	0	G				10	SPAIN. <MDD>. mbLg 2.7 (MDD).
31	09	53	54.4?	18.92	N	146.54	E	33	N	4.1		0.1	5	MARIANA ISLANDS
31	10	11	30.0&	45.300	N	3.700	E	2					9	FRANCE. <LDG>. ML 2.2 (LDG), 2.2 (STR).
31	10	35	50.2&	40.249	N	29.302	E	11					8	TURKEY. <ISK>. MD 3.1 (ISK).
31	10	49	33.3?	21.16	S	179.48	W	600	G	3.9		0.7	10	FIJI ISLANDS REGION
31	11	23	49.5&	30.776	S	72.192	W	15					13	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.6 (GUC).
31	11	44	03.5	5.022	S	151.250	E	178	D	5.2		0.8	213	NEW BRITAIN REGION, P.N.G. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:44:05.2; Lat 5.12 S; Lon 151.48 E; Dep 162.0; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.30, Plg=52, Azm=278; (N) Val=-0.12, Plg=17, Azm=30; (P) Val=-1.18, Plg=34, Azm=132; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=269, Dip=19, Slip=150; NP2: Strike=27, Dip=81, Slip=73.
31	12	27	09.0&	33.140	S	70.443	W	92					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
31	12	30	40.8	43.377	N	17.567	E	10	G			1.3	15	NORTHWESTERN BALKAN REGION. ML 3.1 (ROM).

31	12	33	51.7?	4.07	S	152.36	E	33	N	4.0	1.4	7	NEW BRITAIN REGION, P.N.G.
31	12	43	20.4*	51.533	N	16.107	E	5	G		0.7	7	POLAND. ML 2.9 (WAR).
31	13	10	56.9	18.877	S	169.056	E	209	D	5.0	1.0	140	VANUATU ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:11:05.4; Lat 18.97 S; Lon 168.75 E; Dep 221.5; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.04, Plg=49, Azm=140; (N) Val=0.49, Plg=32, Azm=4; (P) Val=-1.54, Plg=23, Azm=259; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=306, Dip=36, Slip=26; NP2: Strike=194, Dip=75, Slip=123.
31	13	11	14.6*	41.991	N	21.273	E	10	G		0.4	5	NORTHWESTERN BALKAN REGION. Felt (IV) at Skopje.
31	13	40	23.2&	32.517	S	71.004	W	67				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
31	14	05	14.7&	40.465	S	173.652	E	150	G		0.2	8	COOK STRAIT, NEW ZEALAND
31	14	07	19.7*	2.049	S	139.639	E	33	N	3.6	0.7	9	NEAR NORTH COAST OF IRIAN JAYA
31	15	34	32.6&	41.474	N	28.147	E	9				5	TURKEY. <ISK>. MD 2.8 (ISK).
31	15	37	31.1?	40.78	N	141.89	E	130	?	4.2	1.6	11	NEAR EAST COAST OF HONSHU, JAPAN
31	16	09	00.8*	36.226	N	70.816	E	128	?	4.4	1.4	13	HINDU KUSH REGION, AFGHANISTAN
31	16	12	45.2	6.703	S	74.349	W	164	D	4.8	0.8	139	PERU-BRAZIL BORDER REGION
31	16	54	06.8	16.511	S	71.563	W	91	*	4.4	0.9	38	SOUTHERN PERU
31	17	04	39.1	44.406	N	10.591	E	10	G		0.8	29	NORTHERN ITALY. ML 2.7 (LDG), 2.6 (VIE).
31	17	21	57.0*	24.268	S	67.052	W	168	*	4.2	0.8	12	CHILE-ARGENTINA BORDER REGION
31	18	26	13.4&	59.243	N	152.903	W	17				32	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
31	18	31	18.7&	32.137	S	70.231	W	131				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
31	18	34	53.4&	32.631	S	71.670	W	31				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
31	18	43	51.2*	53.961	N	168.549	E	53	D	3.6	0.8	13	KOMANDORSKY ISLANDS REGION
31	19	46	58.0&	60.169	N	145.920	W	22				29	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
31	19	49	20.6*	31.786	S	178.897	W	150	G	4.7	1.2	39	KERMADEC ISLANDS REGION
31	20	02	59.3*	8.055	N	81.689	W	10	G	4.5 4.2	0.9	30	PANAMA
31	20	09	42.5*	23.834	N	142.629	E	33	N	4.5	0.5	7	VOLCANO ISLANDS REGION
31	20	36	07.5&	42.800	N	2.500	E	2				4	PYRENEES. <LDG>. ML 2.0 (LDG).
31	20	43	32.3&	60.038	N	152.692	W	89				59	SOUTHERN ALASKA. <AEIC>.
31	20	49	41.0	53.017	N	167.290	W	33	N	4.4	1.2	59	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.8 (PMR), 4.5 (AEIC).
31	20	58	47.5*	42.496	N	13.220	E	10	G		1.0	26	CENTRAL ITALY. ML 3.4 (VIE), 3.1 (LDG).
31	21	00	47.2&	17.011	N	100.023	W	61				5	GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).
31	21	02	08.2*	42.940	N	12.832	E	10	G		0.6	11	CENTRAL ITALY. ML 2.7 (LDG).
31	21	04	03.0	53.055	N	167.260	W	33	N	4.6	1.3	55	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.9 (PMR), 4.5 (AEIC).
31	21	04	47.1&	53.081	N	166.739	W	13				10	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.8 (AEIC).
31	21	31	07.7&	40.976	N	28.439	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
31	21	46	23.9	51.298	N	178.208	W	33	N	4.6	0.9	56	ANDREANOF ISLANDS, ALEUTIAN IS.
31	22	11	24.8&	31.117	S	71.639	W	35				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
31	22	15	08.5?	62.71	S	148.95	E	10	G	4.0	0.6	8	BALLENY ISLANDS REGION
31	23	16	34.6	44.299	N	150.055	E	33	N	4.9 4.4	0.9	112	EAST OF KURIL ISLANDS
31	23	20	13.7*	54.230	N	163.482	E	33	N	4.5	1.0	13	OFF EAST COAST OF KAMCHATKA
31	23	22	45.4	44.346	N	10.848	E	10	G		0.9	57	NORTHERN ITALY. ML 3.3 (STR), 3.1 (LDG).
31	23	29	36.3&	35.295	S	70.655	W	1				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.8 (GUC).

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Earthquake Focal Mechanisms for March 1998