U.S. DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS MONTHLY LISTING

OCTOBER-DECEMBER 1997

NATIONAL EARTHQUAKE INFORMATION CENTER

Open-File Report

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1999

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

Preliminary Determination of Epicenters

Monthly Listing

National Earthquake Information Center

OCTOBER 1997

ORIGIN TIME UTC DAY	HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH	MAGNITUDE GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00	52	49.9	16.867	S	72.715	W	29 D	4.8	4.3	0.9	65	NEAR COAST OF PERU
01	01	46	52.3	45.290	N	5.805	E	5 G			0.4	22	FRANCE. ML 2.4 (LDG).
01	02	51	04.1	43.053	N	12.793	E	10 G			0.7	18	CENTRAL ITALY. ML 3.0 (LDG).
01	03	00	08.2*	43.235	N	12.645	E	10 G			0.8	11	CENTRAL ITALY. ML 3.0 (LDG).
01	03	27	03.1&	33.497	N	118.245	W	4				22	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
01	03	34	56.7*	44.282	N	140.618	E	250 G	3.9		1.0	18	EASTERN SEA OF JAPAN
01	03	48	15.8&	41.708	S	174.101	E	10 G			0.7	12	COOK STRAIT, NEW ZEALAND. ML 4.2 (WEL). Felt at Blenheim on the South Island and Wellington on the North Island.
01	03	54	42.6&	41.642	S	174.167	E	10 G			0.3	10	COOK STRAIT, NEW ZEALAND. ML 4.2 (WEL). Felt at Blenheim on the South Island and Wellington on the North Island.
01	04	12	23.2*	4.332	S	152.598	E	40 *	4.7		1.0	28	NEW BRITAIN REGION, P.N.G.
01	04	40	58.5&	18.167	N	66.881	W	20 G			0.5	7	PUERTO RICO REGION. MD 2.3 (MPR).
01	04	49	37.2*	23.162	S	169.821	E	29 D	4.2		1.4	21	LOYALTY ISLANDS REGION
01	04	54	06.3?	43.05	N	12.85	E	10 G			0.6	11	CENTRAL ITALY. ML 3.1 (LDG). MD 2.9 (ROM). Felt (III) in the epicentral area.
01	05	31	46.2*	37.076	N	141.995	E	10 G			1.1	7	NEAR EAST COAST OF HONSHU, JAPAN
01	06	05	48.3	46.215	N	136.090	E	416 D	5.2		0.8	303	NEAR SOUTHEAST COAST OF RUSSIA. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:05:59.1; Lat 47.32 N; Lon 135.73 E; Dep 408.0; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.86, Plg=3, Azm=248; (N) Val=0.46, Plg=74, Azm=145; (P) Val=-2.33, Plg=15, Azm=339; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=22, Dip=77, Slip=-8; NP2: Strike=114, Dip=82, Slip=-167.
01	06	13	26.9	43.032	N	12.785	E	10 G			0.7	19	CENTRAL ITALY. ML 3.8 (VIE), 3.5 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.
01	06	27	08.8*	21.120	N	94.149	E	82 ?	4.1		1.1	11	MYANMAR
01	06	28	48.4	43.447	N	127.113	W	10 G	4.0		0.9	100	OFF COAST OF OREGON
01	06	36	27.4*	43.121	N	12.705	E	10 G			0.4	12	CENTRAL ITALY. ML 3.6 (VIE), 3.4 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
01	06	48	03.0*	39.182	N	142.662	E	33 N			0.9	8	NEAR EAST COAST OF HONSHU, JAPAN
01	07	05	43.0	43.094	N	12.796	E	10 G			0.8	32	CENTRAL ITALY. ML 3.6 (VIE), 3.3 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
01	09	31	22.4	7.040	N	122.478	E	33 N	4.7		1.3	32	MINDANAO, PHILIPPINE ISLANDS
01	10	56	25.2	18.805	N	119.922	E	32 D	4.6		0.9	34	PHILIPPINE ISLANDS REGION
01	11	58	27.3&	37.653	N	119.022	W	3				20	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.1 (BRK), 2.9 (GS).
01	13	13	26.8*	43.298	N	12.501	E	10 G			0.6	6	CENTRAL ITALY. MD 2.8 (ROM). Felt (III) in the epicentral area.
01	13	49	15.9?	52.69	N	166.26	W	33 N			1.4	6	FOX ISLANDS, ALEUTIAN ISLANDS
01	14	04	12.7?	15.52	S	173.50	W	100 G	4.5		0.4	12	TONGA ISLANDS
01	14	23	01.6*	9.015	S	150.801	E	33 N	4.4		1.0	12	EASTERN NEW GUINEA REG., P.N.G.
01	14	37	16.1&	9.102	S	118.335	E	33 N			0.9	5	SUMBAWA REGION, INDONESIA
01	14	54	44.8?	1.80	S	137.11	E	33 N	3.5		0.5	7	NEAR NORTH COAST OF IRIAN JAYA
01	15	29	25.6*	59.556	S	151.341	W	10 G	4.5		0.9	11	PACIFIC-ANTARCTIC RIDGE
01	16	14	22.2*	5.056	S	151.772	E	33 N	4.0		0.9	9	NEW BRITAIN REGION, P.N.G.
01	16	32	57.7	3.018	S	129.361	E	33 N	4.3		1.0	17	SERAM, INDONESIA
01	16	36	20.3?	30.86	S	69.18	W	150 G			0.8	12	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
01	16	42	58.6	45.605	N	26.377	E	150 G			0.8	19	ROMANIA
01	16	49	36.8*	29.258	N	130.550	E	67 D	4.1		1.5	17	RYUKYU ISLANDS
01	17	21	13.7&	42.137	N	143.028	E	33 N			1.1	5	HOKKAIDO, JAPAN REGION
01	18	07	09.6*	43.038	N	12.748	E	10 G			0.5	11	CENTRAL ITALY. ML 3.2 (LDG), 3.1 (VIE). MD 2.9 (ROM). Felt (III) in the epicentral area.
01	18	23	50.1?	3.82	S	119.63	E	33 N			0.7	4	SULAWESI, INDONESIA
01	18	27	11.1	42.904	N	12.878	E	10 G			0.9	26	CENTRAL ITALY. ML 3.6 (VIE), 3.3 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.
01	18	37	46.8*	43.036	N	12.703	E	10 G			0.8	16	CENTRAL ITALY. ML 3.2 (VIE), 3.0 (LDG).
01	18	52	02.0?	4.86	S	153.96	E	33 N	4.2		1.2	7	NEW IRELAND REGION, P.N.G.
01	19	34	07.9&	60.271	N	144.292	W	18				17	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
01	20	05	19.1	42.939	N	12.870	E	10 G			1.0	19	CENTRAL ITALY. ML 3.4 (VIE), 3.1 (LDG). MD 3.0 (ROM). Felt (III) in the epicentral area.

01	20	28	26.1*	42.773	N	13.001	E	10	G		1.1	15	CENTRAL ITALY. ML 3.0 (LDG).
01	21	00	59.3	47.905	N	10.178	E	10	G		0.7	8	AUSTRIA. ML 2.3 (VIE), 2.2 (FBB).
01	21	08	47.7*	43.099	N	12.708	E	10	G		1.0	21	CENTRAL ITALY. ML 3.6 (VIE), 3.1 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
01	21	41	04.0*	13.504	N	44.673	W	10	G		1.0	16	NORTHERN MID-ATLANTIC RIDGE
01	22	07	44.5*	42.846	N	12.948	E	10	G		1.0	14	CENTRAL ITALY. MD 3.4 (ROM). ML 3.0 (VIE). Felt (IV) in the epicentral area.
01	22	35	24.6*	7.035	N	73.004	W	150	G	4.3	1.4	14	NORTHERN COLOMBIA
01	22	58	28.1?	31.16	S	178.17	W	50	D	4.2	1.1	12	KERMADEC ISLANDS REGION
01	23	14	17.3?	8.93	N	79.68	W	10	G		0.3	4	PANAMA. MD 3.1 (UPA).
02	00	46	37.3?	31.58	S	177.95	W	50	G	4.6	1.3	17	KERMADEC ISLANDS REGION
02	00	51	43.8	44.164	N	6.222	E	5	G		0.4	24	FRANCE. ML 2.3 (LDG).
02	01	01	21.2*	27.915	N	143.685	E	10	G	4.5	1.2	21	BONIN ISLANDS REGION
02	01	06	35.3*	39.026	N	44.241	E	33	N	4.5	1.2	15	ARMENIA-AZERBAIJAN-IRAN BORD REG
02	01	36	57.6	7.556	S	127.505	E	160	D	4.9	0.9	95	BANDA SEA
02	01	52	57.0?	31.56	S	177.26	W	33	N	4.7	0.9	13	KERMADEC ISLANDS REGION
02	03	39	20.1	43.026	N	12.836	E	10	G		0.9	26	CENTRAL ITALY. MD 3.1 (ROM). ML 3.0 (VIE), 2.9 (LDG). Felt (IV) in the epicentral area.
02	04	36	33.7&	54.538	N	163.513	W	8				16	UNIMAK ISLAND REGION. <AEIC>. ML 3.1 (AEIC).
02	04	42	52.2*	5.316	S	147.008	E	200	G	4.4	1.4	19	EASTERN NEW GUINEA REG., P.N.G.
02	04	50	13.2	38.349	N	16.296	E	10	G		1.0	14	SOUTHERN ITALY. MD 3.4 (ROM).
02	05	28	16.2	44.503	N	9.754	E	10	G		0.9	15	NORTHERN ITALY. ML 2.8 (LDG).
02	05	35	50.0	42.913	N	12.791	E	10	G		0.9	31	CENTRAL ITALY. MD 3.8 (ROM). ML 3.7 (VIE), 3.4 (LDG). Felt (V) in the epicentral area.
02	05	44	38.1?	32.35	S	71.49	W	33	N		0.1	9	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
02	06	51	45.7&	37.459	N	118.842	W	7				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (GS).
02	06	58	30.4*	43.028	N	12.757	E	10	G		0.8	13	CENTRAL ITALY. ML 3.4 (VIE), 3.2 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
02	07	17	13.1*	18.869	S	168.895	E	33	N	4.5	1.3	36	VANUATU ISLANDS
02	07	29	21.0?	43.12	N	12.65	E	10	G		1.2	9	CENTRAL ITALY. ML 3.1 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
02	07	48	43.1&	59.017	N	154.125	W	107				59	SOUTHERN ALASKA. <AEIC>.
02	08	18	20.0	52.338	N	170.680	W	33	N	4.4	0.9	38	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.2 (PMR).
02	08	26	09.5&	59.531	N	154.448	W	143				44	SOUTHERN ALASKA. <AEIC>.
02	09	33	31.9	38.321	N	143.221	E	33	N	4.1	0.8	14	OFF EAST COAST OF HONSHU, JAPAN
02	09	57	26.2*	24.983	S	13.432	W	10	G	4.6	1.1	14	SOUTHERN MID-ATLANTIC RIDGE
02	09	58	19.9%	9.329	S	158.911	E	33	N		0.9	9	SOLOMON ISLANDS
02	10	31	05.9?	43.04	N	12.58	E	10	G		0.7	7	CENTRAL ITALY. ML 3.2 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
02	10	59	56.2	43.077	N	12.698	E	10	G	4.4	1.1	151	CENTRAL ITALY. ML 4.4 (VIE), 4.3 (STR), 4.1 (FUR), 4.0 (LDG). MD 3.7 (ROM). Felt (VI) in the Sansepolcro area. Felt as far as Florence.
02	11	30	30.0?	24.21	S	179.67	W	350	G	4.1	1.5	15	SOUTH OF FIJI ISLANDS
02	11	44	59.2*	49.006	S	121.849	E	10	G	4.4	1.0	25	SOUTH OF AUSTRALIA
02	12	06	41.1%	39.680	N	143.300	E	33	N		0.8	11	OFF EAST COAST OF HONSHU, JAPAN
02	12	54	02.4*	17.691	S	178.296	W	500	G	4.0	0.8	20	FIJI ISLANDS REGION
02	13	16	14.0*	24.909	S	179.424	E	600	G	4.4	0.7	20	SOUTH OF FIJI ISLANDS
02	13	25	33.0*	21.526	N	93.572	E	33	N		1.4	10	MYANMAR
02	14	29	02.0	54.121	N	161.240	E	33	N	4.3	0.8	34	NEAR EAST COAST OF KAMCHATKA
02	14	43	05.2*	0.566	S	19.605	W	10	G	4.4	0.6	10	CENTRAL MID-ATLANTIC RIDGE
02	15	04	53.4?	27.92	S	178.10	W	300	G		1.1	10	KERMADEC ISLANDS REGION
02	15	41	22.8%	37.820	N	8.780	W	10	G		0.6	15	PORTUGAL. mbLg 3.2 (MDD).
02	16	35	18.2	57.897	N	149.044	W	10	G		0.7	55	GULF OF ALASKA. ML 2.6 (AEIC).
02	16	56	00.9%	46.132	N	2.832	E	5	G		0.6	7	FRANCE. ML 2.5 (LDG).
02	17	27	36.2?	24.13	N	123.89	E	106	?		1.4	9	SOUTHWESTERN RYUKYU ISLANDS
02	18	32	37.2	7.084	S	125.701	E	33	N	4.3	1.1	18	BANDA SEA
02	19	35	11.9?	31.68	S	72.40	W	10	G		1.3	13	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
02	19	38	02.2	43.638	N	12.135	E	10	G	4.5	1.1	165	CENTRAL ITALY. ML 4.6 (STR), 4.5 (FUR), 4.4 (VIE), 4.2 (LDG).
02	19	57	49.8&	40.452	N	124.287	W	20				14	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK).
02	20	00	26.6%	46.184	N	2.853	E	5	G		0.6	6	FRANCE. ML 1.7 (LDG).
02	20	43	06.4*	23.892	N	94.324	E	100	G		0.5	8	MYANMAR-INDIA BORDER REGION
02	20	47	04.3&	40.347	N	125.202	W	1				4	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
02	20	47	48.2*	23.299	N	120.915	E	33	N	3.5	1.2	12	TAIWAN
02	21	07	01.0*	43.468	N	12.115	E	10	G		1.3	17	CENTRAL ITALY. ML 2.9 (LDG), 2.9 (VIE).
02	21	14	48.2	31.978	N	141.857	E	10	G	4.5	0.9	16	SOUTH OF HONSHU, JAPAN
02	21	38	42.5	43.640	N	12.123	E	10	G	4.3	1.1	156	CENTRAL ITALY. ML 4.4 (STR), 4.3 (FUR), 4.1 (VIE), 4.0 (LDG). MD 4.0 (ROM).
02	22	15	32.4%	44.308	N	7.389	E	10	G		0.4	6	NORTHERN ITALY. ML 1.6 (GEN).
03	00	15	37.2	6.293	S	148.490	E	100	G	5.1	1.1	121	NEW BRITAIN REGION, P.N.G. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:15:36.6; Lat 6.54 S; Lon 149.02 E; Dep 28.7; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.50, Plg=63, Azm=270; (N) Val=0.19, Plg=21, Azm=48; (P) Val=-2.69, Plg=17, Azm=145; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=263, Dip=34, Slip=130; NP2: Strike=38, Dip=65, Slip=67.
03	00	20	19.2%	42.028	N	23.443	E	10	G		0.5	8	BULGARIA
03	01	08	41.1%	22.784	S	147.161	E	10	G		0.9	5	QUEENSLAND, AUSTRALIA
03	01	41	43.5%	39.940	S	174.038	E	130	G		0.2	9	NORTH ISLAND, NEW ZEALAND
03	02	42	31.8	53.610	S	140.400	E	10	G	5.3 5.0	1.2	75	WEST OF MACQUARIE ISLAND. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:42:36.9; Lat 53.56 S; Lon 140.73 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.42, Plg=14, Azm=218; (N) Val=-0.23, Plg=61, Azm=101; (P) Val=-1.20, Plg=25, Azm=315; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=354, Dip=62, Slip=-8; NP2: Strike=88, Dip=83, Slip=-151.
03	04	17	36.6	51.704	N	16.176	E	5	G		0.7	21	POLAND. ML 4.0 (GRF), 3.6 (VIE).
03	04	46	32.0	42.506	N	144.665	E	33	N	5.1 4.6	0.8	163	HOKKAIDO, JAPAN REGION. Mw 5.2 (HRV). Felt (III JMA) in southeastern Hokkaido. Centroid, Moment Tensor (HRV): Centroid origin time

													04:46:33.7; Lat 42.34 N; Lon 145.28 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.23, Plg=63, Azm=284; (N) Val=1.83, Plg=6, Azm=26; (P) Val=-8.07, Plg=26, Azm=119; Best double couple: Mo=7.2*10**16 Nm; NP1: Strike=223, Dip=19, Slip=108; NP2: Strike=24, Dip=72, Slip=84.
03	05	05	49.4*	5.631	S	148.529	E	200 G	4.6	0.9	20	NEW BRITAIN REGION, P.N.G.
03	05	28	57.5*	31.900	S	72.002	W	30 G		0.5	12	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
03	05	58	14.6*	13.342	N	120.437	E	100 G	4.3	1.1	20	MINDORO, PHILIPPINE ISLANDS
03	06	35	03.0	43.025	N	12.698	E	10 G		1.0	32	CENTRAL ITALY. ML 3.6 (VIE), 3.3 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
03	07	50	26.2	43.577	N	12.096	E	10 G		1.1	43	CENTRAL ITALY. ML 3.5 (VIE), 3.4 (LDG).
03	08	07	26.1?	31.99	S	71.88	W	5 G		0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
03	08	16	20.4*	4.675	N	94.872	E	51 D	4.1	1.3	19	OFF W COAST OF NORTHERN SUMATERA
03	08	34	00.0&	61.354	N	151.003	W	67			20	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
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). 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. Centroid, Moment Tensor (HRV): Centroid origin time 08:55:25.9; Lat 43.01 N; Lon 12.66 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.00, Plg=6, Azm=33; (N) Val=-0.03, Plg=19, Azm=125; (P) Val=-0.97, Plg=70, Azm=285; Best double couple: Mo=9.9*10**16 Nm; NP1: Strike=103, Dip=42, Slip=-118; NP2: Strike=319, Dip=54, Slip=-67.
03	09	14	07.9*	43.783	N	11.975	E	10 G		0.9	15	CENTRAL ITALY. ML 3.0 (LDG).
03	09	32	26.9*	9.897	N	124.031	E	33 N	4.2	0.9	12	MINDANAO, PHILIPPINE ISLANDS
03	10	09	42.2*	42.988	N	12.821	E	10 G		1.2	20	CENTRAL ITALY. ML 3.6 (VIE), 3.2 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
03	10	27	04.0	0.853	S	120.531	E	33 N	4.2	1.2	21	MINAHASSA PENINSULA, SULAWESI
03	10	58	03.7	0.141	N	125.969	E	33 N	4.8 4.3	1.3	42	NORTHERN MOLUCCA SEA
03	11	08	18.1	43.014	N	12.641	E	10 G		1.1	24	CENTRAL ITALY. ML 3.8 (VIE), 3.2 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
03	11	17	38.2*	43.007	N	12.636	E	10 G		1.4	16	CENTRAL ITALY. ML 3.4 (VIE), 3.0 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
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). Six people injured and several houses damaged in the epicentral area. Centroid, Moment Tensor (HRV): Centroid origin time 11:28:47.5; Lat 27.49 N; Lon 54.84 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.16, Plg=44, Azm=124; (N) Val=-0.29, Plg=32, Azm=251; (P) Val=-0.87, Plg=29, Azm=1; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=142, Dip=33, Slip=164; NP2: Strike=246, Dip=81, Slip=58.
03	12	16	21.1?	42.96	N	13.02	E	10 G		0.9	11	CENTRAL ITALY. MD 3.3 (ROM). ML 3.2 (LDG). Felt (IV) in the epicentral area.
03	12	32	53.5%	9.295	S	158.893	E	33 N		0.9	8	SOLOMON ISLANDS
03	12	48	44.9	43.092	N	12.718	E	10 G		1.0	36	CENTRAL ITALY. ML 3.8 (VIE), 3.3 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
03	12	56	14.1%	36.495	N	3.136	W	10 G		0.7	8	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
03	12	59	06.0%	9.024	N	79.695	W	10 G		0.4	5	PANAMA. MD 3.1 (UPA).
03	13	13	58.5	29.959	N	67.997	E	17 D	4.4	1.3	31	PAKISTAN. Felt at Harnai.
03	13	27	03.8*	43.616	N	12.167	E	10 G		1.2	24	CENTRAL ITALY. ML 3.4 (VIE), 3.4 (LDG).
03	14	03	45.0*	43.177	N	12.717	E	10 G		0.7	10	CENTRAL ITALY. MD 3.3 (ROM). ML 3.1 (LDG). Felt (IV) in the epicentral area.
03	14	28	00.5%	17.964	N	66.897	W	10 G		0.6	7	PUERTO RICO REGION. MD 2.6 (MPR).
03	14	52	18.6	41.418	N	112.296	W	5 G		0.6	19	UTAH. ML 3.6 (GS).
03	15	03	33.7	44.287	N	6.368	E	5 G		0.9	62	FRANCE. ML 3.8 (LDG), 3.6 (GEN).
03	15	19	11.6*	31.866	N	141.609	E	33 N		1.3	9	SOUTH OF HONSHU, JAPAN
03	16	22	50.9*	5.234	S	102.989	E	52 D	4.6	1.1	14	SOUTHERN SUMATERA, INDONESIA
03	16	23	33.6%	17.961	N	66.914	W	10 G		0.5	9	PUERTO RICO REGION. MD 2.6 (MPR).
03	16	29	18.9?	17.47	S	178.58	W	200 G	4.3	1.2	9	FIJI ISLANDS REGION
03	17	01	00.8	27.761	N	54.709	E	33 N	4.8 4.1	1.2	106	SOUTHERN IRAN
03	17	05	37.5	6.020	S	130.752	E	100 G	4.2	0.9	23	BANDA SEA
03	17	07	46.0*	43.172	N	12.509	E	10 G		1.3	11	CENTRAL ITALY. ML 3.4 (VIE), 3.1 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
03	17	10	06.1*	9.018	N	126.277	E	80 *	5.0	0.9	15	MINDANAO, PHILIPPINE ISLANDS
03	18	14	58.1?	33.33	S	178.60	W	33 N	4.4	1.0	13	SOUTH OF KERMADEC ISLANDS
03	18	19	16.5	49.965	N	177.272	W	33 N	4.5	1.0	33	SOUTH OF ALEUTIAN ISLANDS
03	19	02	37.3*	43.075	N	12.625	E	10 G		0.9	14	CENTRAL ITALY. ML 2.9 (LDG).
03	19	12	28.5&	59.054	N	151.097	W	30			14	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
03	19	17	23.9%	44.320	N	6.392	E	5 G		0.6	9	FRANCE. ML 1.6 (LDG).
03	19	50	28.6*	14.368	N	93.108	W	33 N	4.5	1.2	40	NEAR COAST OF CHIAPAS, MEXICO
03	19	56	16.4?	14.21	N	93.06	W	33 N		1.1	12	NEAR COAST OF CHIAPAS, MEXICO
03	21	09	46.0	44.305	N	6.419	E	5 G		0.5	20	FRANCE. ML 2.3 (GEN), 1.9 (LDG).
03	21	18	29.6*	42.844	N	13.059	E	10 G		0.5	13	CENTRAL ITALY. MD 3.1 (ROM). ML 3.0 (LDG). Felt (IV) in the epicentral area.
03	21	55	02.7*	40.659	N	48.874	E	33 N	4.5	0.7	9	EASTERN CAUCASUS
03	22	05	41.2	51.843	N	175.371	W	62	5.1	0.9	176	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.2 (HRV). ML 5.2 (PMR). Felt (IV) on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 22:05:40.4; Lat 51.59 N; Lon 175.04 W; Dep 56.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.84, Plg=72, Azm=305; (N) Val=0.78, Plg=9, Azm=65; (P) Val=-6.61, Plg=15, Azm=157; Best double couple: Mo=6.2*10**16 Nm; NP1: Strike=260, Dip=31, Slip=108; NP2: Strike=59, Dip=61, Slip=80.
03	22	08	54.2	3.973	S	136.412	E	33 N	4.6	1.4	24	IRIAN JAYA, INDONESIA
03	22	16	05.7*	43.625	N	12.028	E	10 G		0.6	12	CENTRAL ITALY. ML 2.8 (LDG).
03	23	24	00.2*	24.319	N	123.114	E	33 N	3.8	1.4	12	SOUTHWESTERN RYUKYU ISLANDS
03	23	52	30.9?	18.03	N	67.08	W	10 G		0.3	4	MONA PASSAGE. MD 2.4 (MPR).

04	00	41	26.2	42.873	N	12.832	E	10	G		1.2	45	CENTRAL ITALY. MD 3.5 (ROM). ML 3.3 (LDG). Felt (IV) ir the epicentral area.
04	00	47	42.3	42.946	N	12.897	E	10	G		1.1	52	CENTRAL ITALY. ML 4.1 (VIE), 3.4 (LDG). MD 3.7 (ROM). Felt (V) in the epicentral area.
04	01	38	10.3	52.845	N	171.450	E	33	N	4.9 4.2	0.8	133	NEAR ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR).
04	02	55	12.4*	30.965	S	71.446	W	70	G		0.3	11	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
04	02	56	41.7	48.356	N	8.957	E	10	G		0.3	9	GERMANY. ML 1.8 (FBB).
04	03	24	12.2	51.653	N	16.294	E	5	G		0.9	10	POLAND
04	03	26	47.0?	43.59	N	12.33	E	10	G		0.3	12	CENTRAL ITALY. ML 2.7 (LDG).
04	03	28	05.9	43.360	N	12.304	E	10	G		1.2	60	CENTRAL ITALY. ML 3.8 (VIE), 3.4 (LDG).
04	03	36	47.8	0.762	N	125.973	E	33	N	4.8	1.2	47	NORTHERN MOLUCCA SEA
04	03	37	48.5	43.647	N	12.121	E	10	G		0.8	19	CENTRAL ITALY. ML 3.0 (LDG).
04	03	40	34.1	51.637	N	16.195	E	5	G		0.8	17	POLAND. ML 3.5 (GRF), 3.3 (VIE).
04	03	41	53.0	35.926	N	22.263	E	10	G	3.9	0.9	20	CENTRAL MEDITERRANEAN SEA. ML 4.0 (ROM).
04	03	50	46.4	43.641	N	11.999	E	10	G		1.2	68	CENTRAL ITALY. ML 3.7 (VIE), 3.4 (LDG).
04	03	55	54.9*	43.650	N	12.033	E	10	G		0.6	18	CENTRAL ITALY. ML 2.8 (LDG).
04	04	20	53.8	43.568	N	12.127	E	10	G		1.2	63	CENTRAL ITALY. ML 3.7 (VIE), 3.3 (LDG).
04	04	38	32.1*	0.103	N	122.406	E	186	*	4.4	0.8	18	MINAHASSA PENINSULA, SULAWESI
04	05	03	43.9*	0.026	N	122.316	E	167	?	4.5	0.6	17	MINAHASSA PENINSULA, SULAWESI
04	05	10	46.2&	34.500	N	118.323	W	3				31	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
04	05	22	44.3*	11.159	N	126.442	E	33	N	4.3	0.9	14	PHILIPPINE ISLANDS REGION
04	05	23	13.3	44.316	N	6.504	E	5	G		1.2	10	FRANCE. ML 2.0 (GEN), 1.8 (LDG).
04	05	30	53.7?	27.61	S	67.56	W	200	G		0.9	12	CATAMARCA PROVINCE, ARGENTINA
04	06	04	30.0	42.969	N	12.877	E	10	G		1.3	80	CENTRAL ITALY. ML 4.4 (VIE), 3.8 (LDG). MD 3.7 (ROM). Felt (V) in the epicentral area.
04	06	38	30.4?	43.51	N	12.43	E	10	G		0.8	9	CENTRAL ITALY. ML 2.9 (LDG).
04	06	45	01.9*	43.161	N	12.703	E	10	G		0.8	14	CENTRAL ITALY. ML 3.1 (LDG).
04	06	49	59.1	42.904	N	12.898	E	10	G	4.5	1.2	114	CENTRAL ITALY. ML 4.6 (VIE), 4.1 (LDG). MD 4.0 (ROM). Felt (VI) in the epicentral area.
04	07	18	10.2?	43.57	N	12.50	E	10	G		0.6	11	CENTRAL ITALY. ML 2.6 (LDG).
04	07	41	13.8?	43.17	N	12.19	E	10	G		0.4	12	CENTRAL ITALY. ML 2.7 (LDG).
04	07	43	09.8?	13.11	N	145.31	E	70	*		0.8	9	MARIANA ISLANDS
04	07	46	12.3*	32.987	S	72.128	W	15	G		0.3	11	OFF COAST OF CENTRAL CHILE. MD 4.2 (SAN).
04	08	02	26.2?	32.98	S	72.13	W	15	G		0.4	11	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
04	08	45	15.7	51.610	N	16.325	E	5	G		0.8	14	POLAND. ML 3.7 (VIE), 3.5 (GRF).
04	08	51	25.9?	32.99	S	72.14	W	15	G		0.6	10	OFF COAST OF CENTRAL CHILE
04	10	06	19.9*	43.145	N	12.574	E	10	G		0.8	17	CENTRAL ITALY. ML 3.1 (LDG).
04	10	20	34.1*	0.015	N	16.613	W	10	G		1.0	9	NORTH OF ASCENSION ISLAND
04	10	57	34.0&	41.050	N	125.362	W	7		5.0 5.2		255	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. Mw 5.6 (HRV), 5.5 (BRK). MD 5.1 (GM). ML 5.1 (BRK). A few items knocked from shelves at Eureka and Patrick's Point. Also felt at Arcata, Fields Landing, Fortuna, McKinleyville and Trinidad. Felt from Crescent City to Weott. Centroid, Moment Tensor (HRV): Centroid origin time 10:57:38.6; Lat 40.96 N; Lon 125.33 W; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.79, Plg=15, Azm=274; (N) Val=-0.01, Plg=74, Azm=72; (P) Val=-2.78, Plg=6, Azm=182; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=317, Dip=76, Slip=173; NP2: Strike=49, Dip=84, Slip=14. Moment Tensor (BRK): Dep 18; Principal axes (scale 10**17 Nm): (T) Val=2.05, Plg=20, Azm=89; (N) Val=0.00, Plg=69, Azm=285; (P) Val=-2.05, Plg=5, Azm=181; Best double ccuple: Mo=2.1*10**17 Nm; NP1: Strike=133, Dip=80, Slip=162; NP2: Strike=226, Dip=72, Slip=11.
04	11	02	04.7?	17.73	S	174.46	W	100	G	4.9	0.8	13	TONGA ISLANDS
04	11	20	00.6*	43.243	N	12.581	E	10	G		0.8	10	CENTRAL ITALY. MD 3.3 (ROM). Felt (IV) in the epicentral area.
04	12	28	50.1*	31.765	N	141.754	E	33	N	3.6	0.3	6	SOUTH OF HONSHU, JAPAN
04	12	31	19.4?	36.60	N	70.89	E	300	G		1.4	7	HINDU KUSH REGION, AFGHANISTAN
04	12	38	23.5*	38.804	N	75.402	E	33	N	4.4	0.8	15	SOUTHERN XINJIANG, CHINA
04	12	43	13.1*	43.109	N	12.779	E	10	G		0.6	15	CENTRAL ITALY. ML 3.3 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
04	12	57	04.2?	31.14	S	68.56	W	100	G		1.1	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
04	13	54	05.1*	4.780	S	129.836	E	150	G	4.5	1.1	25	BANDA SEA
04	15	07	20.7	42.932	N	12.858	E	10	G		1.1	114	CENTRAL ITALY. ML 4.6 (VIE). MD 4.1 (ROM). Felt (VI) in the epicentral area.
04	15	14	17.2	14.152	N	120.751	E	200	G	4.9	1.0	59	LUZON, PHILIPPINE ISLANDS
04	15	15	59.9	48.172	N	128.128	W	10	G		0.8	53	VANCOUVER ISLAND REGION. ML 4.3 (PGC).
04	15	18	44.4*	2.855	S	141.438	E	33	N	4.4	1.4	16	NEAR N COAST OF NEW GUINEA, PNG.
04	15	29	46.2	15.922	N	46.646	W	10	G	5.5	1.2	278	NORTHERN MID-ATLANTIC RIDGE. Mw 5.5 (HRV), 5.3 (GS). Moment Tensor (GS): Dep 13; Principal axes (scale 10**17 Nm): (T) Val=0.97, Plg=11, Azm=73; (N) Val=0.07, Plg=4, Azm=343; (P) Val=-1.04, Plg=78, Azm=235; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=168, Dip=34, Slip=-83; NP2: Strike=340, Dip=56, Slip=-94. Centroid, Moment Tensor (HRV): Centroid origin time 15:29:48.1; Lat 15.36 N; Lon 46.70 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.88, Plg=10, Azm=86; (N) Val=0.39, Plg=19, Azm=352; (P) Val=-2.27, Plg=68, Azm=202; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=198, Dip=39, Slip=-58; NP2: Strike=339, Dip=58, Slip=-113.
04	15	34	29.6	16.014	N	46.749	W	10	G	5.6 5.5	1.1	260	NORTHERN MID-ATLANTIC RIDGE. Mw 5.7 (HRV), 5.5 (GS). Moment Tensor (GS): Dep 7; Principal axes (scale 10**17 Nm): (T) Val=2.03, Plg=3, Azm=81; (N) Val=-0.04, Plg=17, Azm=171; (P) Val=-1.99, Plg=72, Azm=342; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=153, Dip=45, Slip=-115; NP2: Strike=7, Dip=50, Slip=-67. Centroid, Moment Tensor (HRV): Centroid origin time 15:34:33.1; Lat 15.71 N; Lon 46.55 W; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=3.56, Plg=16, Azm=283; (N) Val=-0.15, Plg=6, Azm=15;

(P) Val=-3.41, Plg=73, Azm=123; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=4, Dip=29, Slip=-102; NP2: Strike=198, Dip=61, Slip=-84.

04	16	02	43.4	34.606	N	26.887	E	10	G	4.2	1.4	73	CRETE
04	16	13	32.8	42.956	N	12.831	E	10	G	4.2	1.2	147	CENTRAL ITALY. ML 4.7 (FUR), 4.3 (LDG). MD 4.3 (ROM). Felt (VI) in the epicentral area.
04	16	18	30.6?	42.80	N	13.15	E	10	G		0.4	10	CENTRAL ITALY. MD 3.2 (ROM). ML 3.1 (LDG). Felt (IV) in the epicentral area.
04	16	33	27.7%	44.351	N	7.424	E	5	G		0.9	5	NORTHERN ITALY. ML 1.6 (GEN).
04	16	34	01.7%	47.158	N	2.797	W	5	G		1.3	19	FRANCE. ML 2.7 (LDG).
04	17	49	21.6?	4.38	S	143.79	E	33	N	3.4	0.7	6	NEW GUINEA, PAPUA NEW GUINEA
04	18	31	41.0	35.286	S	106.708	W	10	G	4.9 5.1	1.1	60	SOUTHERN EAST PACIFIC RISE. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:31:48.0; Lat 35.24 S; Lon 106.38 W; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=4.03, Plg=11, Azm=226; (N) Val=-0.98, Plg=77, Azm=77; (P) Val=-3.05, Plg=7, Azm=317; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=2, Dip=77, Slip=3; NP2: Strike=271, Dip=87, Slip=167.
04	18	41	49.0	26.542	S	67.775	E	10	G	4.9	1.0	27	SOUTH INDIAN OCEAN
04	18	47	47.3	42.933	N	12.903	E	10	G		1.1	121	CENTRAL ITALY. ML 4.5 (VIE), 3.9 (LDG). MD 4.0 (ROM). Felt (VI) in the epicentral area.
04	19	12	37.1*	43.127	N	12.782	E	10	G		0.8	19	CENTRAL ITALY. MD 3.4 (ROM). ML 2.9 (LDG). Felt (IV) in the epicentral area.
04	19	27	16.7?	44.39	N	7.34	E	10	G		0.1	4	NORTHERN ITALY. ML 1.4 (GEN).
04	19	36	50.4&	34.648	N	116.519	W	5				27	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
04	19	39	46.5*	43.098	N	12.701	E	10	G		0.9	14	CENTRAL ITALY. ML 3.1 (LDG).
04	19	52	17.2%	71.929	N	1.479	E	10	G		1.2	6	NORWEGIAN SEA
04	20	05	33.4*	43.203	N	12.596	E	10	G		0.9	14	CENTRAL ITALY. ML 3.1 (LDG).
04	20	25	15.5	28.166	N	130.324	E	33	N	4.3	1.0	25	RYUKYU ISLANDS
04	20	29	28.9*	28.127	N	130.327	E	33	N	3.8	0.9	9	RYUKYU ISLANDS
04	21	14	52.3?	44.54	N	7.29	E	5	G		0.1	4	NORTHERN ITALY. ML 1.4 (GEN).
04	21	15	53.5*	48.242	N	154.368	E	33	N	4.5	1.0	22	KURIL ISLANDS
04	21	18	44.5%	8.653	N	82.984	W	5	G		0.7	8	PANAMA-COSTA RICA BORDER REGION. MD 3.9 (UPA).
04	21	57	26.4*	9.410	S	148.918	E	33	N	3.8	1.5	10	EASTERN NEW GUINEA REG., P.N.G.
04	22	00	37.7%	48.109	N	2.507	W	5	G		0.8	7	FRANCE. ML 2.0 (LDG).
04	22	11	02.0?	37.29	N	2.15	W	10	G		1.4	4	SPAIN. mbLg 2.7 (MDD).
04	22	43	16.7	44.579	N	6.797	E	5	G		0.4	30	FRANCE. ML 2.5 (GEN), 2.1 (LDG).
04	23	03	16.4*	31.984	N	141.864	E	33	N		0.4	7	SOUTH OF HONSHU, JAPAN
04	23	09	49.9*	43.164	N	12.654	E	10	G		0.7	14	CENTRAL ITALY. ML 2.8 (LDG).
04	23	18	21.5%	14.432	N	144.541	E	33	N		1.2	7	MARIANA ISLANDS
04	23	52	04.2*	42.883	N	13.009	E	10	G		1.1	27	CENTRAL ITALY. ML 2.9 (LDG).
05	00	18	36.2*	43.212	N	12.564	E	10	G		0.6	12	CENTRAL ITALY. ML 3.0 (LDG).
05	00	54	57.8	2.620	N	79.789	W	10	G	5.1 4.3	0.9	150	SOUTH OF PANAMA. Mw 5.3 (HRV). MD 4.8 (UPA). Centroid, Moment Tensor (HRV): Centroid origin time 00:55:04.8; Lat 2.15 N; Lon 79.56 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.01, Plg=27, Azm=292; (N) Val=0.08, Plg=19, Azm=32; (P) Val=-1.09, Plg=56, Azm=152; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=345, Dip=25, Slip=-140; NP2: Strike=218, Dip=74, Slip=-71.
05	01	42	55.0	43.356	N	126.950	W	10	G		0.5	87	OFF COAST OF OREGON
05	01	45	46.2	44.161	N	145.521	E	170	*	4.5	0.9	71	HOKKAIDO, JAPAN REGION
05	02	29	31.4	43.322	N	138.003	E	274	D	4.3	0.9	63	EASTERN SEA OF JAPAN
05	02	50	27.3?	43.47	N	12.61	E	10	G		0.6	15	CENTRAL ITALY. ML 2.5 (LDG).
05	02	59	00.9?	43.51	N	12.62	E	10	G		1.0	11	CENTRAL ITALY. ML 2.6 (LDG).
05	03	12	45.2*	43.100	N	12.584	E	10	G		1.2	15	CENTRAL ITALY. ML 2.8 (LDG).
05	03	19	12.8?	43.54	N	12.63	E	10	G		0.7	12	CENTRAL ITALY. ML 2.5 (LDG).
05	03	29	00.9	45.507	N	151.066	E	71	D	5.5	0.8	295	KURIL ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:29:01.6; Lat 45.43 N; Lon 151.16 E; Dep 83.9; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.44, Plg=44, Azm=317; (N) Val=0.46, Plg=2, Azm=225; (P) Val=-1.90, Plg=46, Azm=134; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=98, Dip=2, Slip=-37; NP2: Strike=225, Dip=89, Slip=-92.
05	04	21	25.5?	1.43	S	150.48	E	33	N	3.9	0.1	6	NEW IRELAND REGION, P.N.G.
05	04	40	07.8*	36.987	N	95.395	E	10	G	4.2	0.6	9	QINGHAI, CHINA
05	05	04	49.1	41.701	S	174.080	E	10	G		0.5	15	COOK STRAIT, NEW ZEALAND. ML 4.4 (WEL).
05	05	29	01.1	43.461	N	12.190	E	10	G		1.1	53	CENTRAL ITALY. ML 3.2 (LDG), 3.2 (VIE).
05	05	32	25.0?	42.99	N	13.21	E	10	G		0.6	12	CENTRAL ITALY. ML 2.8 (LDG).
05	05	46	17.6?	43.59	N	12.27	E	10	G		0.6	11	CENTRAL ITALY. ML 2.5 (LDG).
05	05	54	15.0	46.248	N	14.485	E	10	G		1.5	23	NORTHWESTERN BALKAN REGION. ML 3.0 (LJU), 3.0 (LDG), 2.9 (VIE). Felt (IV) at Kamnik and Preddvor and (III) at Ljubljana, Slovenia.
05	06	34	37.0&	41.049	N	125.248	W	3				27	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.9 (GM). ML 3.5 (BRK), 3.5 (GS).
05	06	50	07.1*	43.132	N	12.675	E	10	G		1.1	13	CENTRAL ITALY. MD 3.1 (ROM). ML 3.0 (LDG). Felt (IV) in the epicentral area.
05	06	53	16.7	41.679	S	174.074	E	10	G		0.9	11	COOK STRAIT, NEW ZEALAND. ML 4.4 (WEL). Felt at Blenheim and Seddon on the South Island.
05	06	58	35.2*	7.402	S	128.337	E	129	*	4.2	0.4	10	BANDA SEA
05	07	37	42.2	5.687	N	123.401	E	600	G	4.6	0.9	25	MINDANAO, PHILIPPINE ISLANDS
05	08	30	05.4*	43.145	N	12.675	E	10	G		0.4	14	CENTRAL ITALY. MD 3.5 (ROM). ML 3.0 (LDG). Felt (V) in the epicentral area.
05	08	36	43.7%	46.818	N	149.527	E	200	G		1.1	9	KURIL ISLANDS
05	08	43	40.9&	63.143	N	150.477	W	116				47	CENTRAL ALASKA. <AEIC>.
05	08	54	42.3*	43.130	N	12.642	E	10	G		0.9	15	CENTRAL ITALY. MD 3.3 (ROM). ML 3.0 (LDG). Felt (IV) in the epicentral area.
05	09	10	27.1*	15.833	N	155.113	E	33	N	4.8	1.4	26	NORTH PACIFIC OCEAN
05	09	36	19.4*	43.027	N	12.814	E	10	G		0.7	17	CENTRAL ITALY. MD 3.5 (ROM). ML 3.2 (LDG). Felt (V) in the epicentral area.
05	09	45	37.9	11.826	N	88.049	W	72	*	5.1	1.1	106	OFF COAST OF CENTRAL AMERICA. Mw 5.4 (HRV). Felt (II) at San

														Salvador, El Salvador. Centroid, Moment Tensor (HRV): Centroid origin time 09:45:35.0; Lat 11.71 N; Lon 88.67 W; Dep 16.3; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.23, Plg=6, Azm=210; (N) Val=-0.08, Plg=3, Azm=120; (P) Val=-1.15, Plg=84, Azm=1; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=303, Dip=40, Slip=-85; NP2: Strike=117, Dip=51, Slip=-94.
05	10	09	05.0	34.791	N	27.000	E	33	N	4.0	3.8	1.1	43	EASTERN MEDITERRANEAN SEA
05	10	22	10.7	43.472	N	12.265	E	10	G			1.2	49	CENTRAL ITALY. ML 3.7 (VIE), 3.5 (LDG).
05	10	28	07.9*	19.528	S	174.262	W	33	N	4.5		0.9	26	TONGA ISLANDS
05	10	47	43.4	43.032	N	12.839	E	10	G			1.0	18	CENTRAL ITALY. MD 3.7 (ROM). ML 3.0 (LDG). Felt (V) ir the epicentral area.
05	10	56	33.3?	37.44	N	3.48	W	10	G			0.6	4	SPAIN. mbLg 2.3 (MDD).
05	10	57	40.7	48.159	N	9.058	E	10	G			1.0	9	GERMANY. ML 2.2 (LDG), 2.1 (GRF), 2.0 (FBB).
05	11	01	56.3&	61.726	N	152.397	W	147		3.6			117	SOUTHERN ALASKA. <AEIC>.
05	11	25	29.3*	3.398	S	143.012	E	33	N	3.6		1.1	7	NEAR N COAST OF NEW GUINEA, PNG.
05	11	31	38.9	41.707	S	174.108	E	14				0.4	10	COOK STRAIT, NEW ZEALAND. ML 3.8 (WEL).
05	11	36	12.6*	9.980	N	126.490	E	33	N	4.9		1.1	27	MINDANAO, PHILIPPINE ISLANDS
05	12	13	57.7*	0.081	N	97.035	E	33	N	3.4		1.0	9	NORTHERN SUMATERA, INDONESIA
05	13	05	37.2*	52.354	N	157.544	E	200	G			1.3	13	KAMCHATKA
05	13	12	50.0*	15.292	S	167.440	E	100	G	4.6		1.2	72	VANUATU ISLANDS
05	14	00	33.4	35.509	S	78.395	E	10	G	4.7		0.7	24	MID-INDIAN RIDGE
05	14	41	01.9*	23.486	N	123.381	E	33	N			0.5	6	SOUTHWESTERN RYUKYU ISLANDS
05	15	02	56.0&	60.260	N	152.480	W	100					55	SOUTHERN ALASKA. <AEIC>.
05	15	23	57.3	32.767	S	70.601	W	33	N			0.9	13	CHILE-ARGENTINA BORDER REGION
05	15	28	05.6	42.915	N	12.851	E	10	G			1.3	64	CENTRAL ITALY. ML 4.1 (VIE), 3.5 (LDG). MD 3.7 (ROM). Felt (V) in the epicentral area.
05	15	38	05.8*	43.131	N	12.816	E	10	G			1.0	16	CENTRAL ITALY. MD 3.4 (ROM). ML 3.1 (LDG). Felt (IV) in the epicentral area.
05	16	21	43.8*	12.571	N	86.899	W	175	D	4.4		1.1	26	NICARAGUA
05	17	10	51.5*	15.417	S	175.041	W	236	*	4.4		1.4	62	TONGA ISLANDS
05	17	49	51.4?	14.29	S	174.38	W	33	N	4.3		0.6	11	SAMOA ISLANDS REGION
05	18	04	30.0	59.739	S	29.198	W	274	D	6.0		1.0	258	SOUTH SANDWICH ISLANDS REGION. Mw 6.3 (GS), 6.3 (HRV). Me 6.0 (GS). Broadband Source Parameters (GS): Dep 270; NP1: Strike=160, Dip=50, Slip=-90; NP2: Strike=340, Dip=40, Slip=-90; Radiated energy 1.9*10**13 Nm. Moment Tensor (GS): Dep 269; Principal axes (scale 10**18 Nm): (T) Val=3.11, Plg=13, Azm=260; (N) Val=0.79, Plg=6, Azm=169; (P) Val=-3.91, Plg=76, Azm=53; Best double couple: Mo=3.5*10**18 Nm; NP1: Strike=358, Dip=33, Slip=-79; NP2: Strike=165, Dip=58, Slip=-97. Centroid, Moment Tensor (HRV): Centroid origin time 18:04:38.1; Lat 59.90 S; Lon 28.92 W; Dep 284.5; Half-duration 3.4 sec; Principal axes (scale 10**18 Nm): (T) Val=2.78, Plg=11, Azm=250; (N) Val=1.11, Plg=10, Azm=158; (P) Val=-3.89, Plg=75, Azm=27; Best double couple: Mo=3.3*10**18 Nm; NP1: Strike=353, Dip=35, Slip=-72; NP2: Strike=152, Dip=57, Slip=-102. Scalar Moment (PPT): Mo=4.9*10**18 Nm.
05	18	07	12.2?	19.23	N	66.54	W	33	N			0.7	6	PUERTO RICO REGION. MD 3.3 (MPR).
05	18	31	53.8*	19.107	N	66.507	W	33	N			0.3	10	PUERTO RICO REGION. MD 3.7 (MPR).
05	18	33	29.4	7.368	S	145.918	E	71		5.1		0.9	53	NEAR S COAST OF NEW GUINEA, PNG.
05	18	36	11.7?	18.98	N	66.71	W	33	N			0.5	7	PUERTO RICO REGION. MD 3.0 (MPR).
05	19	00	02.3	5.679	N	125.453	E	224	D	5.6		0.9	197	MINDANAO, PHILIPPINE ISLANDS. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:00:09.1; Lat 5.58 N; Lon 126.05 E; Dep 204.7; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=6.51, Plg=69, Azm=237; (N) Val=-0.34, Plg=0, Azm=328; (P) Val=-6.17, Plg=21, Azm=58; Best double couple: Mo=6.3*10**17 Nm; NP1: Strike=148, Dip=24, Slip=91; NP2: Strike=327, Dip=66, Slip=90.
05	19	01	56.4*	26.432	S	27.837	E	5	G			1.3	7	REPUBLIC OF SOUTH AFRICA
05	19	18	31.9&	9.369	S	158.952	E	33	N	4.3		0.5	9	SOLOMON ISLANDS
05	19	29	19.6&	19.008	N	66.556	W	33	N			0.3	10	PUERTO RICO REGION. MD 3.5 (MPR).
05	19	36	07.7?	19.06	N	66.51	W	33	N			0.4	7	PUERTO RICO REGION. MD 3.1 (MPR).
05	20	09	14.0*	42.884	N	12.947	E	10	G			1.0	20	CENTRAL ITALY. ML 3.5 (VIE), 3.2 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
05	20	34	40.5?	19.00	N	66.56	W	33	N			0.2	7	PUERTO RICO REGION. MD 3.0 (MPR).
05	20	45	03.2*	18.648	S	178.324	W	500	G	4.4		0.5	13	FIJI ISLANDS REGION
05	21	03	43.3	37.509	N	72.277	E	205	*	4.5		1.0	24	TAJIKISTAN
05	21	13	35.0*	43.204	N	12.683	E	10	G			1.0	12	CENTRAL ITALY. MD 3.0 (ROM). ML 2.7 (LDG). Felt (III) in the epicentral area.
05	21	40	59.6*	30.283	N	87.966	E	33	N			1.2	10	XIZANG
05	22	00	30.6	10.955	N	140.374	E	86	*			0.7	18	WESTERN CAROLINE ISLANDS
05	22	41	58.5&	58.483	N	156.071	W	163					73	ALASKA PENINSULA. <AEIC>.
05	23	28	14.8&	35.967	N	120.517	W	9					19	CENTRAL CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.4 (BRK).
05	23	49	39.0	44.463	N	149.678	E	44	D	4.8	4.2	0.8	64	KURIL ISLANDS
06	00	09	25.5	19.121	N	145.396	E	200	G	4.5		1.1	39	MARIANA ISLANDS
06	00	23	37.2	6.577	S	129.247	E	33	N	4.7		1.3	28	BANDA SEA
06	01	21	07.3*	20.625	N	144.598	E	33	N	4.5		1.1	26	MARIANA ISLANDS
06	01	51	14.4	42.941	N	12.788	E	10	G			1.2	28	CENTRAL ITALY. MD 2.9 (ROM). ML 2.9 (LDG). Felt (III) in the epicentral area.
06	03	08	14.5	10.156	N	126.099	E	66	D	5.4		0.9	138	PHILIPPINE ISLANDS REGION. Mw 5.3 (HRV). Felt (III RF) at Surigao, Mindanao; (II RF) at Palo, Leyte and Lapu-Lapu, Mactan. Centroid, Moment Tensor (HRV): Centroid origin time 03:08:15.8; Lat 9.81 N; Lon 126.46 E; Dep 42.2 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.06, Plg=63, Azm=351; (N) Val=0.03, Plg=24, Azm=201; (P) Val=-1.09, Plg=12, Azm=105; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=168, Dip=39, Slip=50; NP2:

Strike=35, Dip=61, Slip=118.
Scalar Moment (PPT): Mo=4.1*10**17 Nm.

06	03	34	40.2*	43.062	N	12.597	E	10	G		0.9	13	CENTRAL ITALY. ML 3.1 (LDG). MD 2.8 (ROM). Felt (III) in the epicentral area.
06	03	47	32.4*	22.591	S	175.992	W	33	N	4.6	1.1	29	TONGA ISLANDS REGION
06	04	44	52.9*	28.120	N	130.269	E	26	D	3.9	0.7	8	RYUKYU ISLANDS
06	05	10	00.1?	18.32	N	67.64	W	33	N		0.4	7	MONA PASSAGE. MD 3.1 (MPR).
06	05	17	32.7&	60.280	N	152.748	W	95				31	SOUTHERN ALASKA. <AEIC>.
06	05	19	20.1&	36.031	N	2.398	W	10	G		0.6	6	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
06	05	31	39.9	20.001	S	177.938	W	550	G	4.7	1.0	66	FIJI ISLANDS REGION
06	06	07	38.1	24.269	S	66.886	W	200	G	4.4	0.9	36	SALTA PROVINCE, ARGENTINA
06	06	57	14.4	16.327	S	178.195	E	23	D	5.0 4.6	1.0	46	FIJI ISLANDS. Mw 5.2 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 06:57:19.2; Lat 16.44 S; Lon 178.05 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.17, Plg=20, Azm=312; (N) Val=-0.07, Plg=52, Azm=69; (P) Val=-6.10, Plg=31, Azm=210; Best double couple: Mo=6.1*10**16 Nm; NP1: Strike=354, Dip=53, Slip=-171; NP2: Strike=259, Dip=83, Slip=-38.
06	08	49	44.6&	59.974	N	152.966	W	107				27	SOUTHERN ALASKA. <AEIC>.
06	09	18	42.6	41.994	N	142.261	E	77	D		0.7	12	HOKKAIDO, JAPAN REGION
06	11	52	23.3&	63.566	N	151.667	W	12				49	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.5 (PMR).
06	12	00	24.1&	41.076	N	125.373	W	8		3.8		47	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. Mw 4.2 (BRK). MD 4.1 (GM). ML 4.1 (BRK).
													Moment Tensor (BRK): Dep 21; Principal axes (scale 10**15 Nm): (T) Val=2.33, Plg=27, Azm=81; (N) Val=0.00, Plg=62, Azm=283; (P) Val=-2.33, Plg=9, Azm=176; Best double couple: Mo=2.3*10**15 Nm; NP1: Strike=126, Dip=78, Slip=154; NP2: Strike=222, Dip=65, Slip=13.
06	12	17	18.5&	38.789	N	122.771	W	1				26	NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.3 (BRK).
06	12	20	04.6&	41.074	N	125.441	W	3				43	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.7 (GM). ML 3.8 (BRK), 3.6 (GS).
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). Felt (III RF) in eastern Cebu.
													Broadband Source Parameters (GS): Dep 106; NP1: Strike=0, Dip=65, Slip=100; NP2: Strike=157, Dip=27, Slip=70; Radiated energy 1.0*10**13 Nm.
													Moment Tensor (GS): Dep 109; Principal axes (scale 10**18 Nm): (T) Val=5.29, Plg=42, Azm=319; (N) Val=0.48, Plg=41, Azm=178; (P) Val=-5.78, Plg=21, Azm=69; Best double couple: Mo=5.5*10**18 Nm; NP1: Strike=113, Dip=44, Slip=19; NP2: Strike=9, Dip=77, Slip=132.
													Centroid, Moment Tensor (HRV): Centroid origin time 12:30:11.4; Lat 9.79 N; Lon 125.95 E; Dep 114.4; Half-duration 4.2 sec; Principal axes (scale 10**18 Nm): (T) Val=4.81, Plg=43, Azm=313; (N) Val=0.85, Plg=37, Azm=177; (P) Val=-5.66, Plg=24, Azm=68; Best double couple: Mo=5.2*10**18 Nm; NP1: Strike=110, Dip=40, Slip=18; NP2: Strike=6, Dip=78, Slip=128.
													Scalar Moment (PPT): Mo=9.6*10**18 Nm.
06	12	33	29.3&	76.361	N	23.223	E	10	G		1.4	9	SVALBARD REGION
06	12	51	10.6*	23.550	S	69.892	E	33	N	4.9	1.5	18	MID-INDIAN RIDGE
06	13	24	55.5&	58.961	N	154.590	W	121				58	ALASKA PENINSULA. <AEIC>.
06	14	26	32.2	42.686	N	7.620	W	10	G		0.8	14	SPAIN. mbLg 3.9 (MDD). Felt (III) in the Taboada area.
06	16	09	36.4	28.511	N	57.132	E	33	N	4.8	1.2	41	SOUTHERN IRAN
06	16	17	52.0&	43.981	N	7.964	E	5	G		0.3	6	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
06	16	48	41.3	42.954	N	12.838	E	10	G		1.0	22	CENTRAL ITALY. ML 3.6 (VIE), 3.1 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
06	17	11	29.8	51.393	N	174.459	W	33	N	4.9	0.9	83	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
06	17	40	01.0?	11.16	N	141.28	E	60	D	3.8	1.1	6	WESTERN CAROLINE ISLANDS
06	18	04	53.8?	16.45	S	178.60	W	250	G	3.9	0.6	9	FIJI ISLANDS REGION
06	18	29	39.4&	35.780	N	116.647	W	6				33	CENTRAL CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
06	18	33	26.0*	22.712	S	175.804	W	33	N	4.9	1.1	35	TONGA ISLANDS REGION
06	18	35	30.3	9.321	S	158.819	E	33	N	5.3 5.0	0.9	36	SOLOMON ISLANDS. Mw 5.6 (HRV). Felt at Honiara.
													Centroid, Moment Tensor (HRV): Centroid origin time 18:35:32.9; Lat 9.65 S; Lon 158.90 E; Dep 42.9; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.36, Plg=27, Azm=329; (N) Val=0.31, Plg=63, Azm=139; (P) Val=-2.68, Plg=4, Azm=237; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=9, Dip=68, Slip=163; NP2: Strike=106, Dip=74, Slip=23.
06	19	03	11.3*	16.949	N	146.300	E	49	D		1.3	19	MARIANA ISLANDS
06	19	08	05.1	9.319	S	158.755	E	33	N	5.3 4.9	1.2	64	SOLOMON ISLANDS. Mw 5.4 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 19:08:06.4; Lat 9.57 S; Lon 158.76 E; Dep 40.4; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.29, Plg=14, Azm=323; (N) Val=0.45, Plg=76, Azm=143; (P) Val=-1.74, Plg=0, Azm=53; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=99, Dip=80, Slip=10; NP2: Strike=7, Dip=80, Slip=170.
06	19	18	19.7	51.644	N	16.224	E	5	G		0.5	20	POLAND. ML 3.6 (GRF), 3.5 (VIE).
06	19	45	46.3?	19.77	S	178.41	W	600	G	3.6	0.9	10	FIJI ISLANDS REGION
06	20	30	41.1?	20.82	N	123.13	E	33	N	3.9	0.4	7	PHILIPPINE ISLANDS REGION
06	20	52	44.6	9.302	S	158.691	E	33	N	5.7 5.9	1.0	181	SOLOMON ISLANDS. Mw 6.1 (HRV), 6.0 (GS). Felt at Honiara.
													Moment Tensor (GS): Dep 20; Principal axes (scale 10**18 Nm): (T) Val=1.39, Plg=27, Azm=328; (N) Val=-0.15, Plg=59, Azm=119; (P) Val=-1.24, Plg=13, Azm=232; Best double couple: Mo=1.3*10**18 Nm; NP1: Strike=7, Dip=61, Slip=169; NP2: Strike=102, Dip=80, Slip=29.
													Centroid, Moment Tensor (HRV): Centroid origin time 20:52:50.1; Lat 9.56 S; Lon 159.10 E; Dep 31.5; Half-duration 2.8 sec; Principal axes (scale 10**18 Nm): (T) Val=1.45, Plg=33, Azm=321; (N) Val=0.42, Plg=57, Azm=138;

													(P) Val=-1.88, Plg=2, Azm=230; Best double couple: Mo=1.7*10**18 Nm; NP1: Strike=1, Dip=66, Slip=156; NP2: Strike=101, Dip=68, Slip=26.
06	21	13	10.3	73.417	N	7.988	E	10	G	5.0		1.1	94	GREENLAND SEA
06	21	14	03.4*	9.289	S	158.933	E	33	N	4.8		1.4	22	SOLOMON ISLANDS. Felt at Honiara.
06	21	17	25.9*	73.404	N	9.345	E	10	G	4.3		1.4	10	GREENLAND SEA
06	21	27	32.0&	34.266	N	118.472	W	11					24	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt at Hollywood and in the San Fernando Valley.
06	21	29	17.6	73.397	N	8.228	E	10	G	4.7	4.6	1.4	48	GREENLAND SEA
06	21	35	45.0*	3.509	S	139.615	E	33	N	3.8		0.8	7	IRIAN JAYA, INDONESIA
06	23	01	56.3	19.843	N	121.456	E	33	N	4.6		0.8	27	PHILIPPINE ISLANDS REGION
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). Four people injured and additional damage (VIII) in the Assisi, Foligno, Gualdo Tadino and Nocera Umbra areas. Felt from Arezzo to parts of Lazio. Centroid, Moment Tensor (HRV): Centroid origin time 23:24:58.1; Lat 42.90 N; Lon 12.55 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.41, Plg=22, Azm=46; (N) Val=-0.19, Plg=7, Azm=313; (P) Val=-2.22, Plg=67, Azm=207; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=149, Dip=23, Slip=-73; NP2: Strike=310, Dip=68, Slip=-97.
06	23	43	09.2?	26.47	S	27.75	E	5	G			1.5	6	REPUBLIC OF SOUTH AFRICA
06	23	45	36.6	73.473	N	7.760	E	10	G	4.8		1.2	59	GREENLAND SEA
06	23	45	53.8*	43.105	N	12.820	E	10	G			0.9	23	CENTRAL ITALY. ML 3.8 (VIE), 3.3 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
06	23	56	28.1	43.007	N	12.672	E	10	G			1.2	46	CENTRAL ITALY. ML 3.5 (VIE), 3.2 (LDG).
07	00	17	02.1&	40.395	N	124.430	W	20					10	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK).
07	00	32	23.0*	42.930	N	12.732	E	10	G			1.2	18	CENTRAL ITALY. ML 3.6 (VIE), 3.2 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
07	00	44	35.6	11.546	S	166.390	E	33	N	4.6		0.9	9	SANTA CRUZ ISLANDS
07	00	49	20.9?	15.73	S	167.96	E	33	N	4.1		0.6	12	VANUATU ISLANDS
07	01	18	00.7	42.835	N	12.779	E	10	G			1.0	21	CENTRAL ITALY. MD 3.0 (ROM). ML 3.0 (LDG). Felt (III) in the epicentral area.
07	01	24	33.9	43.010	N	12.783	E	10	G	4.4		1.1	128	CENTRAL ITALY. ML 4.6 (VIE), 4.2 (FUR), 4.0 (LDG). MD 3.8 (ROM). Felt (V) in the epicentral area.
07	01	58	11.0	42.964	N	12.724	E	10	G			0.9	28	CENTRAL ITALY. ML 3.0 (LDG).
07	02	20	13.5	34.656	N	26.960	E	33	N	4.0		0.9	28	CRETE
07	02	36	04.5	7.417	S	145.899	E	33	N	4.7		1.4	25	NEAR S COAST OF NEW GUINEA, PNG. ML 4.6 (PMG).
07	02	39	14.9	42.956	N	12.968	E	10	G			1.2	75	CENTRAL ITALY. ML 4.2 (VIE), 3.5 (LDG). MD 3.6 (ROM). Felt (V) in the epicentral area.
07	03	01	34.0?	42.95	N	13.02	E	10	G			0.4	11	CENTRAL ITALY. MD 3.2 (ROM). ML 2.8 (LDG). Felt (IV) in the epicentral area.
07	03	30	08.8	42.997	N	12.800	E	10	G			1.0	20	CENTRAL ITALY. MD 3.1 (ROM). ML 3.0 (LDG). Felt (IV) in the epicentral area.
07	03	43	39.5*	41.928	N	121.074	E	33	N			1.4	7	NORTHEASTERN CHINA
07	03	43	41.3*	42.688	N	13.061	E	10	G			1.1	30	CENTRAL ITALY. ML 3.8 (VIE), 3.3 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
07	03	44	06.7*	31.302	S	178.255	W	100	G	4.8		1.1	20	KERMADEC ISLANDS REGION
07	03	46	11.6?	23.50	N	108.49	W	10	G	3.3		1.5	8	GULF OF CALIFORNIA
07	04	18	44.2&	40.644	N	121.245	W	12					11	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 3.0 (BRK).
07	04	24	02.3?	14.46	N	92.60	W	33	N	4.1		1.4	9	NEAR COAST OF CHIAPAS, MEXICO
07	04	25	55.4	42.991	N	12.818	E	10	G			1.1	82	CENTRAL ITALY. ML 3.9 (VIE), 3.6 (LDG). MD 3.6 (ROM). Felt (V) in the epicentral area.
07	04	36	23.8*	24.398	S	179.977	E	500	G	4.7		1.1	34	SOUTH OF FIJI ISLANDS
07	04	53	16.3*	42.980	N	12.815	E	10	G			1.4	26	CENTRAL ITALY. ML 3.9 (VIE), 3.5 (LDG). MD 3.8 (ROM). Felt (V) in the epicentral area.
07	05	09	56.7	43.010	N	12.848	E	10	G	4.5		1.3	130	CENTRAL ITALY. ML 4.8 (VIE), 4.7 (FUR), 4.2 (LDG). MD 4.1 (ROM). Felt (VI) in the epicentral area.
07	06	25	03.0*	5.852	S	147.345	E	33	N	4.3		0.7	10	EASTERN NEW GUINEA REG., P.N.G.
07	07	38	30.2	4.976	S	151.519	E	114	D	4.5		1.0	33	NEW BRITAIN REGION, P.N.G.
07	09	48	06.4*	42.043	N	80.699	E	33	N	3.8		0.9	14	KYRGYZSTAN-XINJIANG BORDER REG.
07	10	06	14.9*	13.682	N	120.079	E	33	N	4.1		0.5	8	MINDORO, PHILIPPINE ISLANDS
07	10	20	33.8	9.313	S	158.926	E	33	N	3.9		0.8	13	SOLOMON ISLANDS
07	10	36	55.7&	62.173	N	153.300	W	10					70	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.6 (PMR).
07	10	40	44.9*	13.193	N	145.587	E	33	N	3.9		1.2	11	MARIANA ISLANDS. Felt (III) on Guam.
07	10	53	09.6%	33.908	S	70.884	W	70	G			0.1	8	CHILE-ARGENTINA BORDER REGION
07	11	50	44.6	52.887	N	160.992	E	33	N	4.7		0.9	21	OFF EAST COAST OF KAMCHATKA
07	11	50	51.8?	32.24	S	71.76	W	10	G			0.4	10	NEAR COAST OF CENTRAL CHILE
07	11	52	36.8%	25.370	N	123.892	E	100	G			0.9	11	NORTHEAST OF TAIWAN
07	12	12	41.3&	62.269	N	150.010	W	10					66	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.3 (PMR).
07	13	09	39.8?	19.14	N	67.63	W	33	N			0.3	6	MONA PASSAGE. MD 3.3 (MPR).
07	13	13	39.2	23.220	N	44.904	W	10	G	5.0	4.7	0.9	82	NORTHERN MID-ATLANTIC RIDGE. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:13:43.4; Lat 22.97 N; Lon 44.82 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.35, Plg=22, Azm=296; (N) Val=2.04, Plg=12, Azm=31; (P) Val=-7.39, Plg=64, Azm=147; Best double couple: Mo=6.4*10**16 Nm; NP1: Strike=4, Dip=25, Slip=-120; NP2: Strike=216, Dip=69, Slip=-77.
07	13	15	53.3	31.845	S	178.318	W	33	N	5.5	5.6	1.1	100	KERMADEC ISLANDS REGION. Mw 5.9 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:15:56.8; Lat 31.58 S; Lon 177.71 W; Dep 20.5; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=6.24, Plg=72, Azm=310; (N) Val=0.91, Plg=7, Azm=197; (P) Val=-7.14, Plg=16, Azm=104; Best double couple: Mo=6.7*10**17 Nm; NP1: Strike=184, Dip=30, Slip=75; NP2: Strike=20, Dip=61, Slip=98. Scalar Moment (PPT): Mo=1.1*10**18 Nm.
07	13	34	15.0?	5.53	S	152.50	E	33	N	4.0		0.9	7	NEW BRITAIN REGION, P.N.G.
07	13	34	44.1?	31.78	S	177.13	W	33	N	4.4		0.9	10	KERMADEC ISLANDS REGION

07	13	39	25.4?	32.35	S	177.87	W	33	N	3.9	0.5	7	SOUTH OF KERMADEC ISLANDS
07	15	00	46.6*	28.317	N	130.284	E	33	N	4.3	1.3	17	RYUKYU ISLANDS
07	15	21	31.9*	52.724	N	161.484	E	157	D		1.3	14	OFF EAST COAST OF KAMCHATKA
07	15	32	36.0?	44.41	N	8.20	E	5	G		0.7	7	NORTHERN ITALY. ML 2.6 (LDG).
07	16	42	16.1	36.188	N	21.307	E	32	D	4.0	1.0	22	SOUTHERN GREECE
07	17	53	32.2	52.117	S	15.166	E	10	G	5.3 5.0	1.0	65	SOUTHWEST OF AFRICA. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:53:36.0; Lat 52.14 S; Lon 16.00 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.56, Plg=0, Azm=182; (N) Val=0.33, Plg=13, Azm=272; (P) Val=-1.89, Plg=77, Azm=92; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=259, Dip=47, Slip=-109; NP2: Strike=105, Dip=47, Slip=-71.
07	19	06	23.9	42.990	N	12.773	E	10	G		1.1	39	CENTRAL ITALY. ML 3.7 (VIE), 3.4 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
07	19	30	25.0?	15.53	S	177.85	W	500	G	3.7	1.0	10	FIJI ISLANDS REGION
07	19	45	42.5?	34.46	S	70.43	W	5	G		0.9	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
07	19	5?	08.1	42.984	N	12.861	E	10	G	4.2	1.1	69	CENTRAL ITALY. ML 4.2 (VIE), 4.0 (FUR), 3.8 (LDG). MD 3.8 (ROM). Felt (V) in the epicentral area.
07	20	02	51.3?	42.89	N	12.74	E	10	G		1.2	13	CENTRAL ITALY. ML 3.3 (LDG), 3.2 (VIE). MD 3.2 (ROM). Felt (IV) in the epicentral area.
07	20	13	10.6%	35.431	N	78.228	E	33	N		1.3	6	EASTERN KASHMIR
07	20	14	55.8?	31.71	S	178.18	W	33	N	4.3	0.8	12	KERMADEC ISLANDS REGION
07	20	26	53.0&	60.418	N	152.764	W	125				74	SOUTHERN ALASKA. <AEIC>.
07	20	51	20.1?	3.22	S	151.44	E	33	N		0.4	5	NEW IRELAND REGION, P.N.G.
07	21	50	26.3	3.421	S	131.016	E	33	N	5.3 4.7	1.2	58	IRIAN JAYA REGION, INDONESIA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:50:26.8; Lat 3.21 S; Lon 130.84 E; Dep 28.8; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.14, Plg=65, Azm=264; (N) Val=-0.06, Plg=13, Azm=145; (P) Val=-1.08, Plg=21, Azm=49; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=117, Dip=27, Slip=60; NP2: Strike=330, Dip=67, Slip=104.
07	22	23	46.7	3.445	S	131.130	E	33	N	4.5	1.3	24	IRIAN JAYA REGION, INDONESIA
07	22	37	09.0%	33.687	S	70.440	W	100	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
07	23	06	05.4*	18.379	N	103.156	W	33	N	4.1	1.0	27	NEAR COAST OF MICHOACAN, MEXICO
07	23	26	34.3&	60.083	N	152.516	W	90				81	SOUTHERN ALASKA. <AEIC>.
08	00	03	33.2?	4.18	S	152.08	E	160	*	4.6	1.3	8	NEW BRITAIN REGION, P.N.G.
08	01	23	25.4&	37.630	N	118.944	W	6				30	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.0 (GS).
08	01	24	29.7&	37.625	N	118.944	W					15	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.2 (GS), 3.1 (BRK). First and larger of two events about 37 seconds apart.
08	02	05	39.2%	49.379	N	153.829	E	100	G		0.9	10	KURIL ISLANDS
08	02	35	09.3?	7.99	S	106.63	E	33	N		0.1	4	JAWA, INDONESIA
08	03	02	44.7	24.962	N	93.333	E	52	D	4.5	1.2	35	MYANMAR-INDIA BORDER REGION
08	03	29	02.6?	43.09	N	12.82	E	10	G		0.7	7	CENTRAL ITALY. ML 2.8 (LDG).
08	03	34	15.2&	35.971	N	120.522	W	9				43	CENTRAL CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.5 (BRK), 3.5 (GS), 3.4 (PAS).
08	03	46	39.5%	35.971	N	3.144	W	10	G		0.8	11	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
08	04	02	25.5&	39.041	N	123.123	W	6				16	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 3.1 (GS), 2.8 (BRK). Felt at Ukiah.
08	06	47	23.3	42.933	N	12.748	E	10	G		1.4	63	CENTRAL ITALY. ML 4.0 (VIE), 3.7 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
08	06	50	53.6*	31.521	S	178.055	W	33	N	4.8	1.2	21	KERMADEC ISLANDS REGION
08	07	16	15.9	2.552	N	127.236	E	33	N	5.2	1.4	59	NORTHERN MOLUCCA SEA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:16:19.9; Lat 2.87 N; Lon 127.44 E; Dep 59.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.58, Plg=70, Azm=151; (N) Val=0.67, Plg=4, Azm=51; (P) Val=-7.25, Plg=20, Azm=320; Best double couple: Mo=6.9*10**16 Nm; NP1: Strike=43, Dip=25, Slip=82; NP2: Strike=233, Dip=65, Slip=94.
08	07	50	34.0?	30.47	S	178.32	W	33	N	4.2	0.6	9	KERMADEC ISLANDS, NEW ZEALAND
08	08	47	36.7	36.475	N	142.630	E	33	N	4.8	0.6	15	OFF EAST COAST OF HONSHU, JAPAN
08	08	54	28.1?	7.90	S	112.79	E	33	N		1.0	5	JAWA, INDONESIA
08	10	17	56.3?	20.25	S	175.65	W	33	N		0.7	7	TONGA ISLANDS
08	10	25	20.1?	43.26	N	13.30	E	10	G		0.6	8	CENTRAL ITALY. ML 3.5 (VIE). MD 3.2 (ROM). Felt (IV) in the epicentral area.
08	10	41	02.6*	3.445	S	131.114	E	33	N	4.1	0.9	11	IRIAN JAYA REGION, INDONESIA
08	10	47	49.9	29.250	S	178.355	E	617	D	5.5	1.0	226	KERMADEC ISLANDS REGION. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:47:54.1; Lat 29.01 S; Lon 178.41 E; Dep 612.7; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.65, Plg=25, Azm=72; (N) Val=-0.26, Plg=33, Azm=179; (P) Val=-3.39, Plg=47, Azm=312; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=116, Dip=36, Slip=-158; NP2: Strike=7, Dip=77, Slip=-57.
08	10	55	16.9?	30.53	S	178.24	W	49	D		1.2	10	KERMADEC ISLANDS, NEW ZEALAND
08	10	56	27.3?	32.08	S	177.87	W	46	D		1.3	6	SOUTH OF KERMADEC ISLANDS
08	11	13	01.7?	22.46	S	170.75	E	33	N	4.3	1.0	10	LOYALTY ISLANDS REGION
08	11	13	59.5*	4.006	S	142.128	E	132	*	4.0	1.0	12	NEW GUINEA, PAPUA NEW GUINEA
08	11	26	02.6*	3.499	S	130.974	E	33	N	4.0	0.9	12	SERAM, INDONESIA
08	11	43	46.9%	32.844	S	71.670	W	50	G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
08	11	49	39.8*	5.865	S	148.116	E	66	*	4.4	1.2	20	NEW BRITAIN REGION, P.N.G.
08	12	17	48.5*	43.368	N	1.627	W	10	G		0.2	7	PYRENEES. mbLg 3.1 (MDD). ML 2.5 (STR).
08	12	47	31.2?	13.80	N	88.61	W	300	G	4.4	1.1	12	EL SALVADOR
08	12	51	59.5%	44.893	N	6.727	E	5	G		0.9	9	FRANCE. ML 1.9 (LDG).
08	14	59	35.3*	0.787	S	119.554	E	82	?	4.1	0.8	11	MINAHASSA PENINSULA, SULAWESI. Felt (III) at Palu.
08	15	28	35.8	14.404	S	167.152	E	150	G	4.7	1.2	73	VANUATU ISLANDS
08	16	11	53.3?	16.89	S	179.92	E	472	D	4.5	1.4	15	FIJI ISLANDS
08	16	22	40.4*	36.366	N	142.661	E	10	G	4.4	1.2	23	OFF EAST COAST OF HONSHU, JAPAN
08	16	32	07.4*	8.478	S	117.565	E	166	*	4.1	0.9	14	SUMBAWA REGION, INDONESIA

08	17	00	05.7	14.623	N	93.719	W	33	N	4.7	4.5	1.0	59	NEAR COAST OF CHIAPAS, MEXICO
08	17	13	41.5	10.050	S	119.575	E	50	G	3.6		1.4	11	SUMBA REGION, INDONESIA
08	17	55	25.5	39.071	N	24.438	E	10	G			0.8	31	AEGEAN SEA. MD 3.9 (ISK).
08	18	25	20.9&	47.410	N	2.709	E	5	G			0.4	6	FRANCE. ML 1.9 (LDG).
08	18	30	28.5&	9.424	S	118.988	E	100	G			1.0	6	SUMBAWA REGION, INDONESIA
08	19	41	42.4?	42.71	N	13.02	E	10	G			1.1	11	CENTRAL ITALY. MD 3.1 (ROM). ML 2.7 (LDG). Felt (IV) in the epicentral area.
08	20	11	36.0?	11.21	N	62.10	W	100	G			0.3	5	WINDWARD ISLANDS
08	20	12	41.0	44.268	N	9.485	E	10	G			0.8	20	NORTHERN ITALY. ML 2.1 (LDG).
08	20	34	03.6*	51.174	N	15.884	E	5	G			0.4	5	POLAND
08	20	43	31.3*	7.430	S	128.414	E	200	G	4.0		1.2	10	BANDA SEA
08	21	01	14.1	45.150	N	7.418	E	10	G			0.7	18	NORTHERN ITALY. ML 2.6 (GEN), 2.2 (LDG).
08	21	05	12.5*	43.496	N	12.083	E	10	G			1.2	20	CENTRAL ITALY. ML 3.0 (VIE), 2.8 (LDG).
08	21	11	02.4?	9.43	N	79.62	W	33	N			0.3	4	PANAMA. MD 3.2 (UPA).
08	21	20	59.7	41.911	N	144.815	E	33	N	5.5	5.6	0.9	348	HOKKAIDO, JAPAN REGION. Mw 5.9 (GS), 5.9 (HRV). Me 5.8 (GS). Felt (II JMA) in southeastern Hokkaido and (I JMA) in Aomori Prefecture, Honshu. Broadband Source Parameters (GS): Dep 13; NP1: Strike=15, Dip=70, Slip=60; NP2: Strike=254, Dip=36, Slip=144; Radiated energy 1.0*10**13 Nm. Moment Tensor (GS): Dep 15; Principal axes (scale 10**17 Nm): (T) Val=6.80, Plg=50, Azm=291; (N) Val=0.72, Plg=5, Azm=28; (P) Val=-7.52, Plg=39, Azm=122; Best double couple: Mo=7.2*10**17 Nm; NP1: Strike=253, Dip=8, Slip=135; NP2: Strike=27, Dip=84, Slip=84. Centroid, Moment Tensor (HRV): Centroid origin time 21:20:59.9; Lat 41.76 N; Lon 145.44 E; Dep 16.0 Bdy; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=7.27, Plg=59, Azm=280; (N) Val=0.74, Plg=10, Azm=26; (P) Val=-8.01, Plg=29, Azm=121; Best double couple: Mo=7.6*10**17 Nm; NP1: Strike=238, Dip=18, Slip=123; NP2: Strike=23, Dip=75, Slip=80.
08	23	57	30.1&	63.262	N	151.072	W	6					46	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
09	01	08	10.8*	10.821	N	144.273	E	10	G	4.6		1.1	23	SOUTH OF MARIANA ISLANDS
09	02	38	55.3	43.221	N	0.632	W	10	G			0.8	25	PYRENEES. mbLg 3.0 (MDD). ML 3.0 (LDG), 2.8 (STR).
09	02	41	56.7*	49.068	N	6.900	E	10	G			1.0	6	GERMANY. ML 2.6 (DBN), 2.5 (UCC). Mining induced event in the Lorraine region, France.
09	02	48	03.4	51.493	N	178.163	W	33	N	4.9		0.9	132	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PMR). Felt (IV) on Adak.
09	02	55	21.4?	9.21	N	78.81	W	33	N			0.3	4	PANAMA. MD 3.0 (UPA).
09	03	29	10.7	42.131	N	144.441	E	33	N	5.1	4.8	1.1	98	HOKKAIDO, JAPAN REGION. Mw 5.4 (HRV). Felt (II JMA) in south-central Hokkaido. Centroid, Moment Tensor (HRV): Centroid origin time 03:29:07.7; Lat 41.71 N; Lon 145.58 E; Dep 15.0 Bdy; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.14, Plg=56, Azm=270; (N) Val=0.05, Plg=13, Azm=20; (P) Val=-1.19, Plg=30, Azm=118; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=243, Dip=19, Slip=134; NP2: Strike=17, Dip=77, Slip=77.
09	04	00	50.4	41.917	N	144.749	E	33	N	5.3	5.0	0.9	181	HOKKAIDO, JAPAN REGION. Mw 5.5 (HRV). Felt (II JMA) in southeastern Hokkaido. Centroid, Moment Tensor (HRV): Centroid origin time 04:00:50.4; Lat 41.64 N; Lon 145.39 E; Dep 15.1; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.91, Plg=56, Azm=275; (N) Val=-0.22, Plg=7, Azm=16; (P) Val=-1.69, Plg=33, Azm=111; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=229, Dip=14, Slip=123; NP2: Strike=14, Dip=79, Slip=82.
09	04	03	01.3?	42.56	N	144.27	E	33	N	5.1		1.4	10	HOKKAIDO, JAPAN REGION
09	04	04	25.6*	32.054	S	71.217	W	80	G			0.2	15	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
09	04	11	41.1&	35.113	N	119.040	W	21					22	CENTRAL CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
09	04	15	10.0&	62.885	N	149.844	W	82					54	CENTRAL ALASKA. <AEIC>.
09	04	17	32.9&	44.485	N	6.650	E	5	G			0.1	5	FRANCE. ML 1.7 (GEN).
09	05	01	12.2	6.714	S	147.272	E	56	*	4.9		1.2	37	EASTERN NEW GUINEA REG., P.N.G. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:01:08.8; Lat 6.80 S; Lon 148.06 E; Dep 45.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.13, Plg=62, Azm=353; (N) Val=-0.80, Plg=4, Azm=91; (P) Val=-6.33, Plg=27, Azm=183; Best double couple: Mo=6.7*10**16 Nm; NP1: Strike=285, Dip=18, Slip=104; NP2: Strike=90, Dip=72, Slip=85.
09	05	14	08.7*	0.792	N	123.125	E	187	*	4.0		1.2	8	MINAHASSA PENINSULA, SULAWESI
09	05	38	52.7*	43.070	N	12.689	E	10	G			1.3	13	CENTRAL ITALY. MD 3.3 (ROM). ML 3.0 (LDG). Felt (IV) in the epicentral area.
09	06	06	44.6*	0.076	N	123.593	E	175	*	4.3		0.6	13	MINAHASSA PENINSULA, SULAWESI
09	07	10	32.6	42.552	N	36.223	E	10	G	4.3		1.0	57	BLACK SEA. MD 4.0 (ISK).
09	07	50	39.8*	40.573	N	71.907	E	100	G	4.0		1.3	9	TAJIKISTAN
09	08	02	24.8	28.826	S	178.660	W	278	D	5.4		1.0	111	KERMADEC ISLANDS REGION. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:02:30.9; Lat 28.80 S; Lon 178.40 W; Dep 298.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.68, Plg=80, Azm=270; (N) Val=2.04, Plg=8, Azm=51; (P) Val=-6.72, Plg=6, Azm=142; Best double couple: Mo=5.7*10**16 Nm; NP1: Strike=241, Dip=39, Slip=102; NP2: Strike=45, Dip=52, Slip=80.
09	08	19	18.5*	34.667	N	139.820	E	80	?			1.0	14	NEAR S. COAST OF HONSHU, JAPAN
09	08	30	55.5*	4.325	S	143.284	E	33	N	4.0		0.7	6	NEW GUINEA, PAPUA NEW GUINEA
09	08	42	12.7	32.575	S	70.073	W	120	G			0.4	14	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
09	08	57	44.4*	11.615	S	118.320	E	33	N	4.2		1.1	6	SOUTH OF SUMBAWA, INDONESIA
09	10	34	15.3*	42.963	N	12.852	E	10	G			1.3	30	CENTRAL ITALY. ML 3.8 (VIE), 3.6 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
09	13	13	03.6&	60.454	N	152.331	W	94					67	SOUTHERN ALASKA. <AEIC>.
09	14	58	30.0?	43.27	N	12.11	E	10	G			0.5	6	CENTRAL ITALY. MD 3.3 (ROM). ML 3.3 (LDG). Felt (IV) in the

													epicentral area.
09	15	02	12.0?	35.37	S	71.42	W	100	G		0.4	10	CENTRAL CHILE
09	15	18	18.9?	40.69	N	30.24	E	10	G		0.6	4	TURKEY. MD 2.5 (ISK).
09	15	34	05.4*	14.672	N	144.814	E	30	D	4.6	1.0	27	MARIANA ISLANDS
09	18	01	47.3*	11.627	S	118.296	E	33	N	4.0	1.3	9	SOUTH OF SUMBAWA, INDONESIA
09	18	02	50.3*	43.067	N	12.684	E	10	G		0.8	12	CENTRAL ITALY. MD 3.3 (ROM). ML 3.3 (VIE), 3.2 (LDG). Felt (IV) in the epicentral area.
09	18	11	30.2	42.847	N	12.870	E	10	G		1.1	53	CENTRAL ITALY. ML 3.9 (VIE), 3.8 (FUR), 3.6 (LDG). MF 3.8 (ROM). Felt (V) in the epicentral area.
09	18	13	53.3	44.168	N	9.172	W	10	G		0.9	75	NORTH ATLANTIC OCEAN. mbLg 4.1 (MDD).
09	18	28	57.9*	41.196	N	48.283	E	66	D	4.0	0.9	11	EASTERN CAUCASUS
09	18	41	29.0&	38.150	N	0.214	E	10	G		1.4	9	SPAIN. mbLg 3.1 (MDD).
09	19	19	16.9	32.682	S	67.618	W	49		4.2	1.0	26	MENDOZA PROVINCE, ARGENTINA
09	19	52	30.0*	42.983	N	12.750	E	10	G		1.1	13	CENTRAL ITALY. MD 3.0 (ROM). ML 2.9 (VIE), 2.8 (LDG). Felt (III) in the epicentral area.
09	20	08	40.0?	17.40	S	178.80	W	550	G	4.5	0.6	8	FIJI ISLANDS REGION
09	20	42	02.2	41.980	N	138.861	E	33	N	5.2 4.8	0.8	170	EASTERN SEA OF JAPAN. Mw 5.5 (HRV). Felt (III JMA) or Okushiri; (II JMA) in Aomori Prefecture, Honshu and southwestern Hokkaido. Centroid, Moment Tensor (HRV): Centroid origin time 20:42:05.1; Lat 41.95 N; Lon 138.78 E; Dep 41.9; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.73, Plg=81, Azm=119; (N) Val=0.09, Plg=3, Azm=13; (P) Val=-1.82, Plg=9, Azm=282; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=9, Dip=36, Slip=86; NP2: Strike=195, Dip=54, Slip=93.
09	20	45	13.1	43.981	N	7.510	E	10	G		0.3	12	NEAR SOUTH COAST OF FRANCE. ML 2.0 (LDG), 2.0 (GEN).
09	20	49	47.4&	45.463	N	26.536	E	100	G		0.8	7	ROMANIA
09	21	24	04.7&	32.912	S	71.978	W	15	G		0.3	12	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
09	22	16	11.0&	53.255	N	166.587	W	0				10	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.2 (AEIC).
09	23	45	46.5	3.291	S	143.319	E	18	D	4.8 4.3	1.2	40	NEAR N COAST OF NEW GUINEA, PNG.
10	00	11	37.3*	34.199	N	141.767	E	33	N	4.2	0.9	13	OFF EAST COAST OF HONSHU, JAPAN
10	00	56	26.2	40.612	N	142.475	E	33	N	4.7	1.2	30	NEAR EAST COAST OF [illegible]NSHU, JAPAN. Felt (II JMA) in southern Aomori and nort[illegible]wate Prefectures.
10	01	17	41.6*	43.093	N	12.560	E	10	G		1.0	13	CENTRAL ITALY. MD 2.9 (ROM). ML 2.7 (LDG). Felt (III) in the epicentral area.
10	01	37	30.8	9.124	S	118.030	E	33	N	3.9	1.1	14	SUMBAWA REGION, INDONESIA
10	01	52	12.2*	27.261	N	139.962	E	550	G	3.7	0.9	13	BONIN ISLANDS REGION
10	02	29	45.2	57.855	N	142.679	W	10	G		0.5	26	GULF OF ALASKA. ML 2.8 (AEIC).
10	02	35	20.6&	57.321	N	154.586	W	28				29	KODIAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
10	02	51	00.3*	31.767	N	41.153	W	10	G	4.4	1.2	12	NORTHERN MID-ATLANTIC RIDGE
10	02	59	59.4	0.029	N	123.171	E	150	G	4.6	1.3	24	MINAHASSA PENINSULA, SULAWESI
10	03	00	20.4&	45.764	N	6.962	E	5	G		0.1	5	FRANCE. ML 1.5 (LDG).
10	05	42	26.4*	34.269	N	141.734	E	33	N		0.8	9	OFF EAST COAST OF HONSHU, JAPAN
10	05	48	56.3*	31.631	S	70.166	W	130	G		0.4	14	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
10	05	51	47.7*	2.452	S	128.352	E	33	N	4.0	0.9	8	CERAM SEA
10	05	56	05.8&	58.684	N	151.301	W	0				34	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
10	06	04	30.0&	42.882	N	12.931	E	10	G		0.6	7	CENTRAL ITALY. MD 3.7 (ROM).
10	06	23	57.3	8.335	S	119.362	E	200	G	4.7	1.2	18	FLORES REGION, INDONESIA
10	06	25	55.9*	11.791	S	28.700	E	33	N	4.8	1.5	20	ZAIRE
10	06	30	06.4*	1.546	N	97.453	E	100	G	4.5	1.4	20	NORTHERN SUMATERA, INDONESIA
10	06	44	33.1*	43.570	N	12.014	E	10	G		1.1	18	CENTRAL ITALY. ML 3.2 (LDG), 3.2 (VIE).
10	07	05	07.5*	0.317	S	96.457	E	33	N	4.3	0.4	9	SOUTHWEST OF SUMATERA, INDONESIA
10	08	17	47.1*	22.004	S	67.058	W	200	G	3.6	1.1	13	CHILE-BOLIVIA BORDER REGION
10	09	13	00.5&	40.329	N	28.729	E	10	G		0.4	5	TURKEY. MD 2.6 (ISK).
10	10	02	25.6&	45.808	N	2.896	E	5	G		0.4	5	FRANCE. ML 2.2 (STR).
10	10	21	25.0*	60.580	S	45.883	W	10	G	4.7	0.7	14	SCOTIA SEA
10	11	41	33.7&	37.632	N	118.947	W	6				22	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.3 (BRK), 3.1 (GS).
10	12	06	06.5&	62.996	N	151.000	W	127		3.4		31	CENTRAL ALASKA. <AEIC>.
10	12	22	06.4&	44.410	N	7.438	E	5	G		0.3	6	NORTHERN ITALY. ML 2.1 (LDG).
10	12	36	03.7&	39.105	N	27.752	E	10	G		0.8	5	TURKEY. MD 2.8 (ISK).
10	12	53	10.8*	7.151	N	72.738	W	100	G	4.1	1.1	16	NORTHERN COLOMBIA
10	14	33	50.8	21.145	S	68.538	W	131	D	4.5	1.1	34	CHILE-BOLIVIA BORDER REGION
10	14	47	29.1*	20.122	S	175.599	W	200	G	4.2	1.2	33	TONGA ISLANDS
10	15	33	58.9*	6.980	S	129.516	E	200	G	4.2	1.2	10	BANDA SEA
10	16	15	23.5&	39.598	N	29.206	E	10	G		0.8	8	TURKEY. MD 2.9 (ISK).
10	17	27	44.6*	2.755	S	141.582	E	33	N	3.0	0.6	7	NEAR N COAST OF NEW GUINEA, PNG.
10	17	32	14.4*	16.004	S	74.353	W	100	G	4.0	1.1	12	NEAR COAST OF PERU
10	17	43	42.3&	45.887	N	0.311	E	10	G		0.9	5	FRANCE. ML 2.2 (LDG).
10	17	48	40.7	4.370	N	124.949	E	33	N	5.0	1.1	64	CELEBES SEA
10	18	44	23.1&	58.368	N	152.899	W	44				37	KODIAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
10	18	45	52.4	9.321	S	158.732	E	33	N	5.4 5.7	1.2	132	SOLOMON ISLANDS. Mw 6.0 (HRV), 5.8 (GS). Felt (VI) at Honiara. Moment Tensor (GS): Dep 24; Principal axes (scale 10**17 Nm): (T) Val=6.54, Plg=57, Azm=315; (N) Val=0.07, Plg=33, Azm=125; (P) Val=-6.61, Plg=4, Azm=218; Best double couple: Mo=6.6*10**17 Nm; NP1: Strike=338, Dip=50, Slip=135; NP2: Strike=101, Dip=57, Slip=50. Centroid, Moment Tensor (HRV): Centroid origin time 18:45:56.2; Lat 9.62 S; Lon 158.99 E; Dep 25.0 Bdy; Half-duration 2.3 sec; Principal axes (scale 10**17 Nm): (T) Val=9.93, Plg=43, Azm=327; (N) Val=0.02, Plg=45, Azm=129; (P) Val=-9.95, Plg=9, Azm=228; Best double couple: Mo=9.9*10**17 Nm; NP1: Strike=358, Dip=53, Slip=153; NP2: Strike=105, Dip=68, Slip=40.
10	20	00	28.9&	67.239	N	143.268	W	10				20	NORTHERN ALASKA. <AEIC>. ML 3.8 (AEIC).
10	21	04	09.7*	41.538	N	142.149	E	100	G	3.7	1.3	13	HOKKAIDO, JAPAN REGION
10	21	26	55.3*	35.777	N	139.745	E	100	G		0.4	6	NEAR S. COAST OF HONSHU, JAPAN
10	22	08	44.8*	42.780	N	12.966	E	10	G		1.4	34	CENTRAL ITALY. MD 3.7 (ROM). ML 3.6 (LDG), 3.6 (VIE). Felt (V) in the epicentral area.
10	22	19	03.8	1.848	S	134.487	E	33	N	4.9 4.2	1.3	36	IRIAN JAYA REGION, INDONESIA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time

														22:19:05.4; Lat 1.85 S Fix; Lon 134.49 E Fix; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**16 Nm): (T) Val=8.81, Plg=21, Azm=321; (N) Val=0.40, Plg=57, Azm=87; (P) Val=-9.22, Plg=24, Azm=221; Best double couple: Mo=9.0*10**16 Nm; NP1: Strike=2, Dip=57, Slip=-178; NP2: Strike=270, Dip=88, Slip=-33.
10	23	29	17.2%	32.948	S	70.304	W	100	G		0.3	13		CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
10	23	29	48.3	10.036	N	83.962	W	100	G	4.7	1.0	76		COSTA RICA. MD 4.8 (UPA).
10	23	52	19.6*	36.575	N	71.026	E	200	G		0.9	11		AFGHANISTAN-TAJIKISTAN BORD REG.
11	00	21	11.4?	22.30	S	170.80	E	100	G	4.6	1.5	11		LOYALTY ISLANDS REGION
11	00	35	34.5	49.416	N	6.897	E	5	G		0.9	13		GERMANY. ML 3.0 (GRF), 2.5 (DBN), 2.5 (UCC), 2.4 (FBB). Mining induced event in the Lorraine region, France.
11	00	53	21.2*	30.397	S	177.208	W	100	G	4.4	1.1	20		KERMADEC ISLANDS, NEW ZEALAND
11	00	54	11.5*	4.773	S	154.203	E	300	G	4.3	1.1	18		SOLOMON ISLANDS
11	01	28	00.7?	39.49	N	1.06	W	5	G		0.9	4		SPAIN. mbLg 2.4 (MDD).
11	02	04	13.3	51.419	N	177.667	W	33	N	4.5 4.4	1.1	79		ANDREANOF ISLANDS, ALEUTIAN IS.
11	02	39	09.8%	39.311	N	0.160	E	10	G		1.0	7		SPAIN. mbLg 3.0 (MDD).
11	02	52	55.7?	67.48	N	142.30	W	10	G		1.0	7		NORTHERN ALASKA. ML 4.1 (PMR).
11	03	03	06.6	5.711	S	105.873	E	132		4.9	1.1	68		SUNDA STRAIT
11	03	13	56.4%	32.818	S	71.290	W	60	G		0.4	12		NEAR COAST OF CENTRAL CHILE. MD 2.8 (SAN).
11	03	20	55.6	42.975	N	12.787	E	10	G		1.1	67		CENTRAL ITALY. ML 4.3 (VIE), 3.9 (LDG). MD 3.8 (ROM). Felt (V) in the epicentral area.
11	04	11	21.1	10.648	S	24.917	E	10	G	4.7	1.0	44		ZAIRE
11	04	40	18.0%	11.224	N	60.955	W	20	G		0.8	6		WINDWARD ISLANDS
11	04	58	30.9*	14.611	S	167.205	E	100	G	4.2	1.3	10		VANUATU ISLANDS
11	05	27	44.0?	0.35	S	135.84	E	33	N	4.0	1.3	7		IRIAN JAYA REGION, INDONESIA
11	05	44	31.4?	42.96	N	12.80	E	10	G		1.5	10		CENTRAL ITALY. ML 3.1 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.
11	05	44	35.5	34.380	N	138.148	E	28		5.2 4.5	0.7	159		NEAR S. COAST OF HONSHU, JAPAN. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:44:39.5; Lat 34.51 N; Lon 138.34 E; Dep 27.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.51, Plg=57, Azm=22; (N) Val=-1.47, Plg=5, Azm=121; (P) Val=-7.03, Plg=33, Azm=214; Best double couple: Mo=7.8*10**16 Nm; NP1: Strike=325, Dip=13, Slip=114; NP2: Strike=120, Dip=78, Slip=84.
11	06	08	21.9	29.640	S	72.116	W	15	G	4.5	0.9	33		OFF COAST OF CENTRAL CHILE. MD 4.8 (SAN).
11	08	39	25.2%	33.261	S	70.047	W	10	G		0.4	13		CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
11	09	45	31.4	38.859	N	142.050	E	52		5.3 4.6	0.9	201		NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.4 (HRV). Felt (III JMA) in northeastern Miyagi and southeastern Iwate Prefectures. Felt (II JMA) in southeastern Aomori and north-central Miyagi Prefectures. Also felt (II JMA) in other parts of Iwate Prefecture. Centroid, Moment Tensor (HRV): Centroid origin time 09:45:34.1; Lat 38.70 N; Lon 142.07 E; Dep 34.3; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.05, Plg=63, Azm=293; (N) Val=0.26, Plg=2, Azm=27; (P) Val=-1.31, Plg=27, Azm=118; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=212, Dip=18, Slip=95; NP2: Strike=26, Dip=72, Slip=88.
11	10	11	10.3*	27.733	N	86.498	E	33	N	4.3	0.8	9		NEPAL
11	10	26	09.0&	63.230	N	150.922	W	16				32		CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.4 (PMR).
11	10	28	51.2*	51.425	N	6.953	E	5	G		1.0	9		GERMANY. ML 2.9 (LDG), 2.5 (DBN).
11	12	35	59.5%	36.351	N	3.900	W	10	G		0.5	10		STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
11	13	23	05.4*	4.504	S	140.183	E	33	N	4.0	1.2	12		IRIAN JAYA, INDONESIA
11	15	35	58.3&	45.017	N	112.837	W	10				12		MONTANA. <BUT-P>. ML 3.0 (BUT).
11	15	43	03.4	44.555	N	129.698	W	10	G	4.3	0.8	77		OFF COAST OF OREGON
11	15	54	00.5	44.550	N	129.726	W	10	G	5.1 5.1	1.1	191		OFF COAST OF OREGON. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:54:02.2; Lat 44.17 N; Lon 130.10 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.55, Plg=3, Azm=72; (N) Val=-0.08, Plg=75, Azm=327; (P) Val=-1.47, Plg=14, Azm=163; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=207, Dip=77, Slip=-8; NP2: Strike=298, Dip=82, Slip=-167.
11	16	02	37.4%	34.452	S	70.373	W	10	G		0.2	11		CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
11	17	10	16.8?	44.97	N	128.69	W	10	G		0.8	35		OFF COAST OF OREGON
11	17	26	56.5*	7.548	S	128.339	E	165	*	4.3	1.2	17		BANDA SEA
11	17	47	18.7?	35.96	S	71.04	W	160	G		0.2	13		CENTRAL CHILE. MD 2.6 (SAN).
11	18	24	23.8	25.028	N	122.451	E	143		5.3	0.9	264		TAIWAN REGION. Mw 5.5 (HRV). Felt (III JMA) in I-lan, (II JMA) in Hua-lien and (I JMA) in Taipei. Centroid, Moment Tensor (HRV): Centroid origin time 18:24:26.2; Lat 24.86 N; Lon 122.57 E; Dep 147.1; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.12, Plg=24, Azm=92; (N) Val=-0.03, Plg=19, Azm=191; (P) Val=-2.09, Plg=59, Azm=315; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=149, Dip=27, Slip=-135; NP2: Strike=17, Dip=71, Slip=-70.
11	18	55	14.1*	43.113	N	12.639	E	10	G		0.6	11		CENTRAL ITALY. ML 3.2 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
11	18	59	59.8	45.753	N	26.708	E	119		4.3	1.2	80		ROMANIA. Felt at Bucharest. Also felt (IV) at Chisinau, Moldova.
11	19	03	13.1&	33.756	N	116.128	W	8				21		SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
11	19	23	59.7?	38.81	N	0.60	W	10	G		0.3	4		SPAIN. mbLg 2.8 (MDD). Felt (II) in the Gandia area.
11	19	35	56.4?	31.39	S	177.88	W	33	N	4.9	1.3	9		KERMADEC ISLANDS REGION
11	19	39	44.5	41.947	N	144.833	E	33	N	5.3 4.8	0.9	209		HOKKAIDO, JAPAN REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:39:44.9; Lat 41.73 N; Lon 145.60 E; Dep 30.7; Half-duration 1.2 sec; Principal axes (scale 10**16 Nm): (T) Val=8.50, Plg=69, Azm=275; (N) Val=0.22, Plg=9, Azm=28; (P) Val=-8.72, Plg=19, Azm=121; Best double couple: Mo=8.6*10**16 Nm; NP1: Strike=225, Dip=27, Slip=109; NP2: Strike=24, Dip=64, Slip=80.

11	19	50	00.4*	40.192	N	19.540	E	5	G	3.8	1.2	29	ALBANIA
11	20	00	54.4&	42.182	N	80.483	E	33	N		1.2	6	KYRGYZSTAN-XINJIANG BORDER REG.
11	20	19	11.9*	26.688	S	26.615	E	5	G		0.4	7	REPUBLIC OF SOUTH AFRICA
11	20	32	06.0	2.174	N	154.591	W	33	N	4.9	0.8	53	LINE ISLANDS REGION, KIRIBATI
11	20	52	55.4*	42.011	N	144.666	E	33	N		0.3	7	HOKKAIDO, JAPAN REGION
11	21	00	07.4*	51.454	N	174.802	E	33	N	4.5	1.0	13	NEAR ISLANDS, ALEUTIAN ISLANDS
11	21	05	34.3?	15.91	S	174.08	W	33	N	4.6	1.1	16	TONGA ISLANDS
11	22	12	37.5*	22.168	S	68.201	W	150	G	4.3	1.3	15	NORTHERN CHILE
11	22	19	59.1*	2.775	N	128.441	E	33	N	4.5	1.1	17	HALMAHERA, INDONESIA
11	23	25	49.4?	40.42	N	28.82	E	10	G		0.2	4	TURKEY. MD 2.6 (ISK).
11	23	38	51.4*	51.640	N	16.359	E	5	G		0.7	6	POLAND
12	01	24	47.8?	8.83	N	82.42	W	15	G		0.5	4	PANAMA-COSTA RICA BORDER REGION. MD 3.8 (UPA).
12	01	24	54.5?	24.84	S	174.99	W	33	N	3.9	1.3	12	SOUTH OF TONGA ISLANDS
12	01	39	54.2*	44.854	N	129.016	W	10	G		0.6	36	OFF COAST OF OREGON
12	02	12	29.6*	52.018	N	171.084	W	33	N		1.3	11	FOX ISLANDS, ALEUTIAN ISLANDS
12	02	31	23.3?	13.27	S	167.28	E	200	G	3.8	0.9	15	VANUATU ISLANDS
12	02	43	15.2	18.832	N	101.494	W	101	D	4.6	1.0	64	GUERRERO, MEXICO
12	03	33	21.6?	32.77	S	72.70	W	33	N		1.1	18	OFF COAST OF CENTRAL CHILE. MD 4.6 (SAN).
12	03	40	56.8	42.186	N	0.966	E	10	G		1.1	8	PYRENEES. mbLg 3.0 (MDD). ML 2.8 (LDG), 2.8 (STR).
12	04	09	35.7	1.750	N	126.384	E	58		5.3	1.0	107	NORTHERN MOLUCCA SEA. Mw 5.2 (HRV). Felt (II) at Bitung and Manado, Indonesia. Centroid, Moment Tensor (HRV): Centroid origin time 04:09:39.6; Lat 1.99 N; Lon 126.63 E; Dep 74.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.26, Plg=27, Azm=255; (N) Val=2.11, Plg=60, Azm=46; (P) Val=-7.37, Plg=12, Azm=159; Best double couple: Mo=6.3*10**16 Nm; NP1: Strike=294, Dip=62, Slip=169; NP2: Strike=29, Dip=81, Slip=28.
12	04	54	32.7&	65.193	N	149.063	W	11				41	NORTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.5 (PMR).
12	05	06	09.2	38.472	N	43.359	E	45	*	4.7	1.2	26	TURKEY
12	05	19	36.1?	45.28	N	127.98	W	10	G		0.4	19	OFF COAST OF OREGON
12	05	31	25.1&	36.735	N	6.866	W	33	N		0.6	13	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
12	05	55	28.9	10.840	S	74.293	W	33	N	4.8 4.3	0.8	53	CENTRAL PERU
12	07	05	43.8&	44.044	N	6.873	E	10	G		0.3	8	FRANCE. ML 1.9 (LDG).
12	07	20	53.9?	44.74	N	129.14	W	10	G		0.5	24	OFF COAST OF OREGON
12	07	23	15.0&	38.841	N	27.303	E	10	G		0.8	8	TURKEY. MD 3.0 (ISK).
12	07	43	23.9	31.967	N	141.646	E	33	N	4.7	0.6	17	SOUTH OF HONSHU, JAPAN
12	07	44	00.5	44.237	N	6.614	E	5	G		0.3	22	FRANCE. ML 2.2 (GEN), 1.7 (LDG).
12	07	57	05.8?	13.59	S	167.54	E	200	G	3.9	1.2	19	VANUATU ISLANDS
12	08	12	47.9*	31.969	N	141.738	E	33	N		0.8	8	SOUTH OF HONSHU, JAPAN
12	08	28	22.3&	44.908	N	74.547	W	14				7	NEW YORK. <PAL-P>. MD 2.9 (PAL).
12	08	48	38.8?	50.48	S	116.21	W	10	G	4.6 4.9	1.1	7	SOUTHERN EAST PACIFIC RISE. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:48:44.8; Lat 49.35 S; Lon 116.67 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.01, Plg=6, Azm=137; (N) Val=0.13, Plg=77, Azm=19; (P) Val=-1.14, Plg=11, Azm=228; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=272, Dip=77, Slip=-4; NP2: Strike=3, Dip=86, Slip=-167.
12	09	48	31.1*	43.029	N	12.895	E	10	G		0.9	17	CENTRAL ITALY. ML 3.6 (VIE), 3.3 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
12	10	33	28.7?	52.63	N	172.07	W	100	G		1.1	5	ANDREANOF ISLANDS, ALEUTIAN IS.
12	10	45	01.9?	5.88	S	150.46	E	100	G	4.2	1.0	9	NEW BRITAIN REGION, P.N.G.
12	10	50	14.7?	31.87	S	72.04	W	33	N		0.6	13	OFF COAST OF CENTRAL CHILE. MD 4.0 (SAN).
12	11	08	36.3	42.901	N	12.897	E	10	G	5.2 4.9	1.0	289	CENTRAL ITALY. Mw 5.3 (HRV). ML 5.3 (VIE), 5.2 (FUR), 5.2 (STR), 5.0 (LDG). MD 4.5 (ROM). Additional damage (VII) in the epicentral area. Centroid, Moment Tensor (HRV): Centroid origin time 11:08:41.6; Lat 42.31 N; Lon 13.29 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.55, Plg=11, Azm=51; (N) Val=0.58, Plg=33, Azm=314; (P) Val=-9.13, Plg=55, Azm=157; Best double couple: Mo=8.8*10**16 Nm; NP1: Strike=175, Dip=45, Slip=-39; NP2: Strike=295, Dip=63, Slip=-127.
12	11	12	30.8	43.008	N	12.753	E	10	G	3.9	1.1	20	CENTRAL ITALY. ML 4.4 (LDG). MD 3.7 (ROM). Felt (V) in the epicentral area.
12	11	50	57.1&	40.493	N	122.224	W	19				7	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM). Felt in the Redding area.
12	12	11	54.2	51.358	N	178.415	W	33	N	4.6	1.1	62	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PMR).
12	12	59	59.6	42.861	N	13.055	E	10	G		1.3	37	CENTRAL ITALY. ML 4.0 (VIE). MD 3.5 (ROM). Felt (V) in the epicentral area.
12	13	04	37.5&	43.242	N	12.689	E	10	G		0.7	10	CENTRAL ITALY. ML 3.3 (LDG).
12	13	12	26.8?	14.25	N	92.36	W	33	N	4.1	0.7	12	NEAR COAST OF CHIAPAS, MEXICO
12	14	54	29.8&	32.642	S	70.459	W	100	G		0.4	13	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
12	15	08	26.7*	16.063	S	70.124	W	100	G	4.0	1.3	19	SOUTHERN PERU
12	15	39	40.4?	18.58	N	66.22	W	100	G		0.7	8	PUERTO RICO REGION. MD 3.7 (MPR).
12	15	52	41.2*	27.761	N	54.884	E	33	N	4.0	1.1	10	SOUTHERN IRAN
12	16	56	36.4?	32.23	S	70.41	W	100	G		0.4	13	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
12	17	08	27.1?	0.49	N	129.52	E	33	N	3.9	1.2	7	HALMAHERA, INDONESIA
12	17	51	23.5&	35.138	N	99.101	E	33	N		0.7	8	QINGHAI, CHINA
12	18	11	01.4*	9.221	S	159.292	E	564	*	4.3	1.2	18	SOLOMON ISLANDS
12	18	12	05.1	42.901	N	12.946	E	10	G		1.2	65	CENTRAL ITALY. ML 4.3 (VIE), 3.7 (LDG). MD 3.7 (ROM). Felt (V) in the epicentral area.
12	19	27	20.5&	62.206	N	1.716	E	33	N		0.7	5	NORWEGIAN SEA
12	19	45	25.8?	30.08	N	88.06	E	33	N		1.5	8	XIZANG
12	19	47	48.6*	42.658	N	12.954	E	10	G		1.1	16	CENTRAL ITALY. ML 3.6 (VIE), 3.4 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
12	19	50	26.2	11.400	N	125.661	E	33	N	4.6	1.0	27	SAMAR, PHILIPPINE ISLANDS
12	20	15	29.1	42.857	N	12.870	E	10	G		1.3	40	CENTRAL ITALY. ML 4.0 (VIE), 3.7 (LDG). MD 3.6 (ROM). Felt (V) in the epicentral area.
12	20	34	03.2*	2.276	S	138.175	E	33	N		0.5	7	IRIAN JAYA, INDONESIA. ML 4.5 (DJA).
12	21	31	07.4	42.858	N	12.968	E	10	G	4.6	1.1	109	CENTRAL ITALY. ML 4.5 (VIE), 4.1 (FUR), 3.9 (LDG). Felt (V) in the epicentral area.

12	21	52	35.6	42.915	N	12.924	E	10	G	4.6	1.3	97	CENTRAL ITALY. ML 4.4 (VIE), 3.9 (LDG). MD 3.7 (ROM). Felt (V) in the epicentral area.
12	23	07	09.3	9.634	S	112.816	E	33	N	4.4	1.3	28	SOUTH OF JAWA, INDONESIA
12	23	27	46.6	9.439	S	112.871	E	60	*	4.6	1.2	28	SOUTH OF JAWA, INDONESIA
12	23	37	27.8	41.125	N	125.939	W	5	G	4.6 3.7	0.9	100	OFF COAST OF NORTHERN CALIFORNIA. Mw 4.5 (BRK). MD 4.5 (GM). ML 4.4 (BRK).
													Moment Tensor (BRK): Dep 20; Principal axes (scale 10**15 Nm): (T) Val=3.10, Plg=18, Azm=107; (N) Val=0.00, Plg=67, Azm=329; (P) Val=-3.10, Plg=15, Azm=202; Best double couple: Mo=7.4*10**15 Nm; NP1: Strike=154, Dip=88, Slip=157; NP2: Strike=245, Dip=67, Slip=2.
12	23	48	12.9*	9.636	S	112.720	E	33	N	3.9	1.3	13	SOUTH OF JAWA, INDONESIA
12	23	48	53.8*	43.056	N	12.784	E	10	G		0.9	18	CENTRAL ITALY. ML 3.2 (VIE), 3.1 (LDG). MD 2.9 (ROM). Felt (III) in the epicentral area.
12	23	54	38.7*	42.977	N	12.818	E	10	G		1.0	15	CENTRAL ITALY. ML 3.3 (VIE), 3.1 (LDG).
13	00	01	30.5	5.571	N	79.580	W	33	N	4.3	1.1	32	SOUTH OF PANAMA. MD 4.4 (UPA).
13	00	09	26.4&	54.381	N	162.569	W	3				13	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
13	00	43	37.9?	3.15	S	139.65	E	100	G	3.8	0.5	6	IRIAN JAYA, INDONESIA
13	02	11	08.6%	47.737	N	6.189	E	5	G		0.8	7	FRANCE. ML 1.9 (LDG).
13	02	19	14.8*	11.895	S	65.984	E	10	G	4.0	1.0	11	MID-INDIAN RIDGE
13	02	53	13.8%	33.046	S	70.549	W	80	G		0.3	11	CHILE-ARGENTINA BORDER REGION
13	03	07	36.7?	9.70	S	112.79	E	33	N	3.8	1.2	9	SOUTH OF JAWA, INDONESIA
13	03	21	37.5	44.272	N	7.178	E	10	G		0.6	18	NORTHERN ITALY. ML 2.1 (GEN), 1.7 (LDG).
13	03	26	12.7	42.967	N	12.882	E	10	G		1.3	50	CENTRAL ITALY. ML 4.0 (VIE), 3.5 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
13	04	17	05.7	42.865	N	12.907	E	10	G		1.1	43	CENTRAL ITALY. ML 4.0 (VIE), 3.6 (LDG). MD 3.5 (ROM). Felt (IV) in the epicentral area.
13	04	46	19.6*	9.636	S	112.898	E	33	N	3.8	1.4	11	SOUTH OF JAWA, INDONESIA
13	05	20	55.1*	6.690	S	130.669	E	80	?	4.5	1.0	10	BANDA SEA
13	06	43	25.3*	42.865	N	12.914	E	10	G		1.2	19	CENTRAL ITALY. ML 3.8 (VIE), 3.4 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
13	07	17	53.9*	37.341	S	177.878	E	100	G	4.5	0.9	15	OFF E. COAST OF N. ISLAND, N.Z.
13	07	36	59.9*	18.415	S	167.491	E	33	N	3.9	1.2	10	VANUATU ISLANDS
13	07	38	53.7*	23.813	S	179.986	W	500	G	4.3	0.7	12	SOUTH OF FIJI ISLANDS
13	07	42	36.9&	38.745	N	122.727	W	3				8	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
13	07	51	46.5*	18.366	S	167.405	E	33	N	4.3	1.3	13	VANUATU ISLANDS
13	08	05	04.6*	18.383	S	167.391	E	33	N	3.8	1.2	9	VANUATU ISLANDS
13	08	15	10.7?	35.10	S	70.18	W	160	G		0.3	14	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
13	08	18	09.3	44.836	N	10.370	E	10	G		0.9	21	NORTHERN ITALY. ML 3.1 (VIE), 2.9 (LDG).
13	08	49	36.0?	40.31	N	126.83	W	10	G		0.8	11	OFF COAST OF NORTHERN CALIFORNIA
13	09	10	21.1	42.860	N	12.873	E	10	G		1.3	35	CENTRAL ITALY. ML 3.8 (VIE), 3.7 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
13	10	07	39.5	14.220	N	92.079	W	33	N	4.3	0.9	37	NEAR COAST OF CHIAPAS, MEXICO
13	10	12	28.3&	63.267	N	151.098	W	0				68	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.4 (PMR).
13	11	01	46.6	42.904	N	12.999	E	10	G	4.2	1.3	120	CENTRAL ITALY. ML 4.5 (VIE), 4.3 (STR), 4.1 (LDG). MD 3.8 (ROM). Felt (V) in the epicentral area.
13	11	44	45.0	7.335	S	128.747	E	164	*	4.4	0.8	17	BANDA SEA
13	12	00	55.7	9.355	S	118.973	E	94	*	4.0	1.0	18	SUMBAWA REGION, INDONESIA
13	12	46	37.7*	42.928	N	12.995	E	10	G		1.4	23	CENTRAL ITALY. ML 4.1 (VIE), 3.8 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
13	12	49	43.6*	43.040	N	12.751	E	10	G		0.5	10	CENTRAL ITALY. ML 3.4 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
13	12	58	00.7?	27.17	N	111.17	W	10	G	4.0	1.3	13	GULF OF CALIFORNIA
13	13	09	21.1	42.892	N	12.922	E	10	G	4.5	1.2	123	CENTRAL ITALY. ML 4.9 (VIE), 4.5 (FUR), 4.4 (STR), 4.3 (LDG). Additional damage at Foligno. Felt at Rome.
13	13	32	28.0%	14.583	N	147.040	E	33	N		1.4	10	MARIANA ISLANDS REGION
13	13	39	37.4	36.379	N	22.071	E	24	G	6.2 6.6	1.2	484	SOUTHERN GREECE. Mw 6.5 (CSEM), 6.4 (GS), 6.4 (HRV). Me 6.2 (GS). Ms 6.7 (BRK). Minor damage in southern Peloponnisos. Felt strongly at Athens. Felt throughout Greece, including Crete.
													Broadband Source Parameters (GS): Dep 24; NP1: Strike=119, Dip=71, Slip=80; NP2: Strike=327, Dip=21, Slip=117; Radiated energy 4.8*10**13 Nm. Complex earthquake, with at least three larger events occurring about 1, 3 and 5 seconds after the onset. Depth based on second event.
													Moment Tensor (GS): Dep 26; Principal axes (scale 10**18 Nm): (T) Val=4.16, Plg=62, Azm=42; (N) Val=-0.08, Plg=10, Azm=292; (P) Val=-4.08, Plg=25, Azm=197; Best double couple: Mo=4.1*10**18 Nm; NP1: Strike=264, Dip=22, Slip=61; NP2: Strike=115, Dip=71, Slip=101.
													Centroid, Moment Tensor (HRV): Centroid origin time 13:39:46.6; Lat 36.10 N; Lon 22.04 E; Dep 44.2; Half-duration 1.0 sec; Principal axes (scale 10**18 Nm): (T) Val=4.71, Plg=65, Azm=29; (N) Val=0.47, Plg=0, Azm=298; (P) Val=-5.19, Plg=25, Azm=208; Best double couple: Mo=4.9*10**18 Nm; NP1: Strike=298, Dip=20, Slip=89; NP2: Strike=119, Dip=70, Slip=90.
													Moment Tensor (CSEM): Dep 30; Principal axes: (T) Plg=62, Azm=83; (N) Plg=14, Azm=325; (P) Plg=24, Azm=228; Best double couple: Mo=7.3*10**18 Nm; NP1: Strike=150, Dip=70, Slip=105; NP2: Strike=292, Dip=25, Slip=55.
13	14	15	45.5*	18.247	S	168.691	E	33	N	4.2	1.1	12	VANUATU ISLANDS
13	14	22	57.3?	36.42	N	22.37	E	33	N		0.9	6	SOUTHERN GREECE
13	14	48	18.4?	36.27	N	22.11	E	33	N		0.8	11	SOUTHERN GREECE
13	15	24	05.6%	44.308	N	7.256	E	5	G		0.3	7	NORTHERN ITALY. ML 2.2 (GEN).
13	15	45	34.0&	46.100	N	120.360	W	18				66	WASHINGTON. <SEA-P>. MD 3.1 (SEA). ML 3.3 (GS).
13	16	08	20.0	6.813	N	123.761	E	600	G	4.6	0.7	37	MINDANAO, PHILIPPINE ISLANDS
13	16	15	36.2	36.555	N	22.439	E	33	N	4.4	0.6	20	SOUTHERN GREECE
13	16	26	35.7	36.936	N	22.002	E	33	N		1.0	20	SOUTHERN GREECE
13	16	30	30.3&	60.226	N	152.642	W	108				56	SOUTHERN ALASKA. <AEIC>.
13	16	31	38.0&	40.387	N	124.950	W	7				5	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
13	17	13	26.0	36.418	N	22.222	E	33	N	4.1	1.1	60	SOUTHERN GREECE
13	17	39	10.6*	32.125	N	141.822	E	33	N	4.2	0.8	11	SOUTH OF HONSHU, JAPAN

13	17	41	56.2&	44.317	N	7.268	E	5	G		0.3	5	NORTHERN ITALY. ML 1.9 (GEN).
13	18	31	24.5*	42.680	N	13.096	E	10	G		1.1	28	CENTRAL ITALY. ML 4.1 (VIE), 3.8 (LDG). MD 3.6 (ROM). Felt (V) in the epicentral area.
13	18	37	58.0*	42.762	N	12.915	E	10	G		1.3	26	CENTRAL ITALY. ML 3.4 (VIE), 3.3 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
13	18	47	47.7	42.856	N	12.875	E	10	G		1.2	53	CENTRAL ITALY. ML 4.0 (VIE), 3.7 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
13	18	57	52.3*	42.954	N	12.747	E	10	G		1.4	15	CENTRAL ITALY. ML 3.3 (VIE), 3.3 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.
13	19	04	20.4&	58.277	N	156.129	W	148				84	ALASKA PENINSULA. <AEIC>.
13	19	33	36.4&	58.992	N	153.128	W	76				65	KODIAK ISLAND REGION. <AEIC>.
13	19	58	15.3*	1.750	N	126.701	E	33	N	4.5	1.2	18	NORTHERN MOLUCCA SEA
13	20	08	59.6*	9.537	S	112.664	E	33	N	3.8	1.1	13	SOUTH OF JAWA, INDONESIA
13	20	26	40.2?	2.81	N	84.42	W	33	N	4.2 4.0	0.9	10	OFF COAST OF CENTRAL AMERICA
13	21	12	54.8*	42.819	N	12.907	E	10	G		1.3	36	CENTRAL ITALY. ML 4.0 (VIE), 3.6 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
13	21	20	20.4&	35.970	N	3.154	W	10	G		0.6	9	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
13	21	23	38.1*	15.706	N	46.855	W	10	G	3.8	0.6	7	NORTHERN MID-ATLANTIC RIDGE
13	21	25	20.6*	42.834	N	12.871	E	10	G		1.4	27	CENTRAL ITALY. ML 3.6 (VIE), 3.6 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
13	21	50	16.5	35.971	N	3.146	W	10	G		1.0	29	STRAIT OF GIBRALTAR. mbLg 4.1 (MDD). Felt (III) at Melilla and (II) on Isla de Alboran, Spain.
13	22	24	18.0*	23.394	S	70.469	W	100	G	3.8	1.0	8	NEAR COAST OF NORTHERN CHILE
13	22	53	11.6*	35.456	N	58.792	E	33	N	4.2	1.1	7	NORTHERN IRAN
13	23	05	18.8*	33.555	N	137.289	E	349		4.1	1.1	24	NEAR S. COAST OF HONSHU, JAPAN
13	23	06	40.2&	44.360	N	74.968	W	4				12	NEW YORK. <PAL-P>. MD 3.0 (PAL).
13	23	35	21.1	42.962	N	12.844	E	10	G		0.9	18	CENTRAL ITALY. ML 3.3 (VIE), 2.9 (LDG). MD 3.0 (ROM). Felt (III) in the epicentral area.
14	00	20	00.3&	35.927	N	3.288	W	10	G		0.9	7	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
14	01	12	51.6?	30.52	S	176.83	W	33	N	4.1	0.6	8	KERMADEC ISLANDS REGION
14	01	43	56.1?	24.90	S	177.39	W	33	N	4.7	1.4	12	SOUTH OF FIJI ISLANDS
14	01	55	48.7	3.184	N	126.837	E	110	*	4.7	1.4	38	TALAUD ISLANDS, INDONESIA
14	02	34	09.2	22.629	N	143.261	E	144	D	4.3	0.6	20	VOLCANO ISLANDS REGION
14	03	04	38.6	36.564	N	22.320	E	33	N	4.3	1.0	100	SOUTHERN GREECE
14	03	28	54.0&	35.952	N	3.194	W	10	G		0.9	8	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
14	04	12	45.8*	30.436	S	72.136	W	33	N		1.1	16	OFF COAST OF CENTRAL CHILE
14	04	26	24.4*	41.166	S	43.616	E	10	G	4.0	1.0	12	PRINCE EDWARD ISLANDS REGION
14	05	13	29.7&	54.580	N	162.355	W	59				14	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
14	05	54	05.2	51.409	N	174.622	E	33	N	4.3	1.0	31	NEAR ISLANDS, ALEUTIAN ISLANDS
14	06	37	25.4*	43.144	N	12.663	E	10	G		0.7	8	CENTRAL ITALY. ML 3.3 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.
14	06	53	16.9	35.485	S	78.324	E	10	G	4.8	0.7	24	MID-INDIAN RIDGE
14	07	25	58.0&	38.507	N	122.591	W	9				6	NORTHERN CALIFORNIA. <GM-P>. MD 2.4 (GM). Felt in the epicentral area.
14	07	40	06.7*	26.458	S	71.064	W	33	N		0.8	9	OFF COAST OF NORTHERN CHILE
14	07	54	05.7	43.011	N	12.661	E	10	G		1.3	33	CENTRAL ITALY. ML 3.7 (VIE), 3.6 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
14	08	03	19.8*	35.468	S	78.430	E	10	G	4.1	0.6	12	MID-INDIAN RIDGE
14	09	39	58.8*	42.798	N	12.978	E	10	G		1.2	23	CENTRAL ITALY. ML 3.8 (VIE), 3.6 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
14	09	48	28.3?	7.74	S	112.57	E	33	N	3.4	0.5	8	JAWA, INDONESIA
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). Felt at Wellington, New Zealand. Broadband Source Parameters (GS): Radiated energy 1.8*10**15 Nm. Complex earthquake, with two events occurring about 6 and 12 seconds after the onset. Moment Tensor (GS): Dep 168; Principal axes (scale 10**20 Nm): (T) Val=5.20, Plg=25, Azm=126; (N) Val=0.49, Plg=27, Azm=23; (P) Val=-5.69, Plg=52, Azm=252; Best double couple: Mo=5.4*10**20 Nm; NP1: Strike=258, Dip=32, Slip=-31; NP2: Strike=15, Dip=75, Slip=-118. Centroid, Moment Tensor (HRV): Centroid origin time 09:53:32.7; Lat 21.94 S; Lon 176.15 W; Dep 165.9; Half-duration 17.9 sec; Principal axes (scale 10**20 Nm): (T) Val=4.47, Plg=35, Azm=119; (N) Val=0.03, Plg=15, Azm=19; (P) Val=-4.50, Plg=51, Azm=269; Best double couple: Mo=4.5*10**20 Nm; NP1: Strike=257, Dip=17, Slip=-30; NP2: Strike=16, Dip=81, Slip=-105. Scalar Moment (PPT): Mo=5.3*10**20 Nm.
14	10	09	51.8*	20.731	S	172.552	W	33	N	4.9	0.9	11	TONGA ISLANDS REGION
14	10	17	14.6*	21.710	S	176.531	W	150	G	4.9	1.0	31	FIJI ISLANDS REGION
14	10	38	10.9*	21.920	S	176.547	W	150	G	4.7	1.1	18	FIJI ISLANDS REGION
14	10	41	15.7	28.374	N	43.772	W	10	G	5.1	0.8	98	NORTHERN MID-ATLANTIC RIDGE
14	10	45	30.2*	22.088	S	176.704	W	150	G	4.9	1.0	30	SOUTH OF FIJI ISLANDS
14	11	00	15.7?	21.51	S	176.71	W	150	G	4.3	0.8	13	FIJI ISLANDS REGION
14	11	04	01.9?	21.09	S	177.49	W	150	G	4.4	1.4	10	FIJI ISLANDS REGION
14	11	04	48.1?	31.67	S	71.44	W	33	N		0.9	10	NEAR COAST OF CENTRAL CHILE
14	11	27	17.9?	19.51	S	177.97	W	500	G	4.2	0.9	11	FIJI ISLANDS REGION
14	11	43	52.3?	22.75	S	172.36	E	33	N	4.4	0.3	6	LOYALTY ISLANDS REGION
14	11	44	29.5&	39.806	N	28.942	E	10	G		0.7	6	TURKEY. MD 2.6 (ISK).
14	11	45	36.2?	39.93	N	28.85	E	10	G		1.1	4	TURKEY. MD 2.6 (ISK).
14	12	32	30.4&	8.512	N	82.903	W	10	G		0.8	8	PANAMA-COSTA RICA BORDER REGION. MD 4.4 (UPA).
14	13	12	11.5?	21.62	S	176.74	W	150	G	4.0	0.9	7	FIJI ISLANDS REGION
14	14	08	37.5*	21.708	S	176.701	W	150	G	4.7	1.0	27	FIJI ISLANDS REGION
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.
14	15	34	03.2	42.858	N	12.896	E	10	G		1.2	29	CENTRAL ITALY. ML 3.7 (VIE), 3.7 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
14	15	48	51.8*	21.816	S	176.592	W	150	G	4.7	1.0	27	FIJI ISLANDS REGION
14	15	52	49.8?	42.75	N	13.01	E	10	G		1.6	26	CENTRAL ITALY. ML 3.9 (VIE), 3.7 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.

14	16	01	36.9*	43.088	N	12.721	E	10	G		0.9	17	CENTRAL ITALY. ML 3.6 (VIE), 3.4 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
14	16	09	01.8	56.358	N	162.359	E	33	N	4.7	0.9	45	NEAR EAST COAST OF KAMCHATKA
14	16	15	31.2*	42.678	N	13.061	E	10	G		1.3	33	CENTRAL ITALY. ML 4.2 (VIE), 3.8 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
14	16	24	42.2	42.936	N	12.748	E	10	G	3.9	1.2	103	CENTRAL ITALY. ML 4.5 (VIE), 4.2 (LDG), 4.2 (STR), 4.1 (FUR). MD 3.7 (ROM). Felt (V) in the epicentral area.
14	16	28	48.3	10.813	S	165.886	E	48	D	5.0 5.4	0.9	101	SANTA CRUZ ISLANDS
14	16	36	46.3	42.930	N	12.792	E	10	G		1.4	43	CENTRAL ITALY. ML 3.9 (VIE), 3.8 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
14	16	39	15.7*	42.871	N	12.853	E	10	G		1.4	20	CENTRAL ITALY. ML 4.0 (VIE), 3.8 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
14	16	53	35.5?	16.90	S	168.33	E	33	N	4.5	0.9	6	VANUATU ISLANDS
14	17	11	34.5	13.361	N	122.421	E	33	N	4.7	1.1	29	LUZON, PHILIPPINE ISLANDS
14	17	20	04.6?	38.31	N	36.54	E	10	G		1.0	4	TURKEY. MD 3.7 (ISK).
14	17	39	55.2*	9.261	S	158.947	E	33	N	4.1	1.0	18	SOLOMON ISLANDS
14	17	41	41.4*	21.751	S	176.581	W	150	G	4.5	0.9	23	FIJI ISLANDS REGION
14	17	42	00.9	42.973	N	12.843	E	10	G		1.3	69	CENTRAL ITALY. ML 4.4 (VIE), 4.0 (STR), 3.7 (LDG). Felt (V) in the epicentral area.
14	17	46	51.5	21.768	S	176.761	W	175	D	4.9	0.9	89	FIJI ISLANDS REGION
14	17	49	14.7?	22.10	S	179.19	W	500	G	4.5	1.0	12	SOUTH OF FIJI ISLANDS
14	18	13	44.5	8.269	N	93.675	E	33	N	4.9	1.1	55	NICOBAR ISLANDS, INDIA
14	18	18	05.0&	39.620	N	120.086	W	0				34	NORTHERN CALIFORNIA. <GM-P>. MD 3.6 (GM). ML 3.5 (BRK), 3.5 (GS).
14	19	08	46.7&	45.015	N	112.850	W	9				30	MONTANA. <BUT-P>. ML 3.7 (BUT).
14	19	25	13.8*	42.889	N	12.791	E	10	G		0.5	10	CENTRAL ITALY. ML 3.1 (LDG). MD 3.0 (ROM). Felt (III) in the epicentral area.
14	19	32	03.7*	21.941	S	176.802	W	150	G	4.5	1.0	19	FIJI ISLANDS REGION
14	19	34	18.9	42.917	N	12.919	E	10	G		1.3	87	CENTRAL ITALY. ML 4.2 (VIE), 4.1 (STR), 3.7 (LDG). MD 3.7 (ROM). Felt (V) in the epicentral area.
14	19	44	33.0?	43.06	N	13.00	E	10	G		1.0	14	CENTRAL ITALY. ML 3.2 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.
14	19	55	14.1*	22.928	S	66.725	W	215		4.3	0.9	15	JUJUY PROVINCE, ARGENTINA
14	20	22	45.7?	20.87	S	66.08	E	10	G	4.2	0.2	6	MAURITIUS-REUNION REGION
14	21	17	40.3	21.769	S	176.715	W	169	D	5.2	0.8	77	FIJI ISLANDS REGION
14	21	33	31.7*	43.050	N	12.850	E	10	G		0.8	15	CENTRAL ITALY. ML 3.2 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
14	21	37	41.5?	15.59	S	173.78	W	78	*	3.9	0.8	10	TONGA ISLANDS
14	21	41	32.2*	43.027	N	12.946	E	10	G		1.3	18	CENTRAL ITALY. ML 3.7 (VIE), 3.3 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
14	22	31	33.7&	34.110	N	117.432	W	3				39	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS). Felt at Fontana and in parts of Riverside County.
14	23	04	48.2*	42.945	N	12.783	E	10	G		1.3	19	CENTRAL ITALY. ML 3.4 (VIE), 3.2 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.
14	23	23	28.4	42.927	N	12.857	E	10	G	4.3	1.3	129	CENTRAL ITALY. ML 4.7 (VIE), 4.3 (STR), 4.2 (FUR), 4.0 (LDG). MD 3.9 (ROM). Felt (V) in the epicentral area.
14	23	48	30.1*	42.904	N	12.943	E	10	G		1.2	21	CENTRAL ITALY. ML 3.7 (VIE), 3.4 (LDG). MD 3.6 (ROM). Felt (V) in the epicentral area.
15	00	12	25.3*	42.771	N	13.089	E	10	G		1.3	28	CENTRAL ITALY. ML 3.6 (VIE), 3.3 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
15	01	02	49.8*	42.688	N	12.983	E	10	G		1.2	31	CENTRAL ITALY. ML 3.7 (VIE), 3.4 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
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). 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. Broadband Source Parameters (GS): Dep 58; NP1: Strike=175, Dip=85, Slip=-120; NP2: Strike=76, Dip=30, Slip=-10; Radiated energy 5.3*10**15 Nm. Two events about 5 seconds apart. Depth based on first event. Moment Tensor (GS): Dep 67; Principal axes (scale 10**19 Nm): (T) Val=4.93, Plg=36, Azm=274; (N) Val=-0.01, Plg=13, Azm=174; (P) Val=-4.92, Plg=51, Azm=67; Best double couple: Mo=4.9*10**19 Nm; NP1: Strike=52, Dip=15, Slip=-31; NP2: Strike=172, Dip=82, Slip=-103. Centroid, Moment Tensor (HRV): Centroid origin time 01:03:42.6; Lat 31.06 S; Lon 71.42 W; Dep 69.8; Half-duration 9.0 sec; Principal axes (scale 10**19 Nm): (T) Val=4.92, Plg=35, Azm=257; (N) Val=0.00, Plg=7, Azm=352; (P) Val=-4.91, Plg=54, Azm=92; Best double couple: Mo=4.9*10**19 Nm; NP1: Strike=315, Dip=12, Slip=-128; NP2: Strike=173, Dip=80, Slip=-83. Scalar Moment (PPT): Mo=6.6*10**19 Nm.
15	01	08	40.9*	43.056	N	12.777	E	10	G		0.7	16	CENTRAL ITALY. ML 3.1 (LDG). MD 3.0 (ROM). Felt (III) in the epicentral area.
15	01	18	40.9	30.778	S	71.210	W	49	D	5.0	1.0	46	NEAR COAST OF CENTRAL CHILE
15	01	29	12.6*	30.932	S	71.028	W	33	N		0.9	16	NEAR COAST OF CENTRAL CHILE
15	01	38	13.9	30.725	S	71.245	W	45	D	5.1	1.1	27	NEAR COAST OF CENTRAL CHILE
15	01	52	16.0*	43.117	N	12.692	E	10	G		0.9	22	CENTRAL ITALY. MD 3.3 (ROM). ML 3.3 (VIE), 3.2 (LDG). Felt (IV) in the epicentral area.
15	02	01	35.2&	11.066	N	60.976	W	5	G		0.3	8	WINDWARD ISLANDS
15	02	07	28.9?	19.93	S	177.76	W	100	G	4.4	1.3	14	FIJI ISLANDS REGION

15	02	07	57.7	30.714	S	71.180	W	50	D	4.7	0.9	28	NEAR COAST OF CENTRAL CHILE
15	02	11	54.9	45.395	N	6.596	E	5	G		0.4	12	FRANCE. ML 2.2 (GEN), 2.0 (LDG).
15	02	13	17.9&	41.114	N	123.299	W	40				7	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
15	02	18	56.4	35.804	N	29.408	E	10	G	4.2	1.2	34	EASTERN MEDITERRANEAN SEA
15	02	24	00.3*	14.917	S	176.075	W	333	*	3.8	0.5	13	FIJI ISLANDS REGION
15	02	44	50.0&	61.777	N	149.065	W	31				33	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
15	02	54	20.8	16.119	S	73.587	W	56	D	5.7	0.9	246	NEAR COAST OF PERU. Felt (III) at Arequipa.
15	03	01	26.8*	43.034	N	12.857	E	10	G		0.9	14	CENTRAL ITALY. ML 3.3 (LDG). MD 3.0 (ROM). Felt (III) in the epicentral area.
15	03	07	04.9&	61.746	N	149.842	W	41				21	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 3.3 (PMR).
15	03	09	24.6?	33.74	S	72.48	W	15	G		0.6	11	OFF COAST OF CENTRAL CHILE
15	03	11	09.0	51.430	N	177.877	W	22	D	5.7 6.1	1.0	339	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 6.4 (HRV). ML 5.6 (PMR). Felt (III) on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 03:11:15.6; Lat 51.45 N; Lon 176.66 W; Dep 15.0 Bdy; Half-duration 3.7 sec; Principal axes (scale 10**18 Nm): (T) Val=4.66, Plg=55, Azm=5; (N) Val=0.61, Plg=16, Azm=251; (P) Val=-5.26, Plg=30, Azm=152; Best double couple: Mo=5.0*10**18 Nm; NP1: Strike=203, Dip=21, Slip=40; NP2: Strike=75, Dip=77, Slip=106.
15	03	21	52.5&	34.963	N	116.838	W	3				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
15	03	24	05.5*	28.252	N	43.855	W	10	G	4.8	1.0	14	NORTHERN MID-ATLANTIC RIDGE
15	03	53	28.8*	30.493	S	71.532	W	33	N	3.8	0.6	16	NEAR COAST OF CENTRAL CHILE
15	04	11	54.8	40.153	N	19.756	E	10	G		1.1	13	ALBANIA
15	04	28	47.0	30.809	S	71.251	W	48	D	5.5	0.9	148	NEAR COAST OF CENTRAL CHILE. Felt (V) at Hurtado; (IV) at Combarbala, Coquimbo and La Serena; (II) at Los Andes, Quillota, Quintero, San Felipe, Vina del Mar and Zapallar.
15	04	50	35.5	30.756	S	71.296	W	46	D	4.4	1.1	43	NEAR COAST OF CENTRAL CHILE. Felt (V) at Illapel, Ovalle and Salamanca; (IV) at Coquimbo, La Serena and Los Vilos; (III) at La Ligua and Vina del Mar; (II) at San Felipe and Valparaiso.
15	05	13	05.3*	31.037	S	70.845	W	50	G		0.9	15	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
15	05	14	30.5	35.697	N	21.488	E	33	N	4.4	1.0	34	CENTRAL MEDITERRANEAN SEA
15	05	17	17.4&	63.055	N	151.022	W	128				24	CENTRAL ALASKA. <AEIC>.
15	05	54	13.9?	30.39	S	71.94	W	50	G		0.3	13	NEAR COAST OF CENTRAL CHILE
15	06	03	32.7	6.636	S	107.023	E	10	G	4.7	1.3	30	JAWA, INDONESIA. Felt (III) at Bandung and (II) at Jakarta.
15	06	05	19.3?	30.63	S	71.54	W	50	G		1.0	14	NEAR COAST OF CENTRAL CHILE
15	06	35	55.7&	39.598	N	120.107	W	4				16	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK).
15	06	43	53.1*	30.647	S	71.914	W	50	G		0.2	14	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
15	07	03	58.8	30.849	S	71.250	W	50	G	4.4	1.2	25	NEAR COAST OF CENTRAL CHILE. MD 4.8 (SAN).
15	07	13	43.0%	11.477	N	61.460	W	20	G		1.2	8	WINDWARD ISLANDS
15	07	57	58.9?	11.04	N	61.96	W	70	G		0.3	5	WINDWARD ISLANDS
15	08	27	29.2%	10.847	N	61.784	W	50	G		0.3	12	TRINIDAD
15	08	42	35.6?	21.88	S	177.46	W	300	G	3.8	0.8	12	FIJI ISLANDS REGION
15	09	05	21.7?	51.25	N	178.08	W	33	N		1.1	5	ANDREANOF ISLANDS, ALEUTIAN IS.
15	09	06	39.5?	21.91	S	176.97	W	200	G	4.3	0.7	15	FIJI ISLANDS REGION
15	09	39	35.5	30.953	S	71.303	W	70	D	4.8	0.9	34	NEAR COAST OF CENTRAL CHILE
15	09	41	21.8*	42.933	N	13.036	E	10	G		0.7	11	CENTRAL ITALY. ML 3.1 (LDG). MD 2.9 (ROM). Felt (III) in the epicentral area.
15	10	41	44.4*	30.952	S	71.524	W	50	G	3.4	1.4	16	NEAR COAST OF CENTRAL CHILE
15	11	03	41.6?	44.36	N	7.34	E	10	G		0.0	4	NORTHERN ITALY. ML 1.4 (GEN).
15	11	06	40.3*	43.112	N	12.611	E	10	G		0.8	16	CENTRAL ITALY. ML 3.4 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.
15	11	12	05.1?	6.72	S	106.88	E	33	N		1.4	4	JAWA, INDONESIA
15	11	14	24.3&	61.634	N	146.364	W	33				30	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
15	11	17	59.2?	42.85	N	12.65	E	10	G		1.1	14	CENTRAL ITALY. ML 3.2 (LDG). MD 2.9 (ROM). Felt (III) in the epicentral area.
15	11	26	53.1*	21.975	S	176.656	W	200	G	4.6	1.0	29	FIJI ISLANDS REGION
15	11	43	50.2?	32.15	S	71.08	W	33	N		0.3	12	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
15	11	51	46.0	42.963	N	12.889	E	10	G	4.1	1.1	91	CENTRAL ITALY. ML 4.3 (VIE), 4.2 (STR), 3.9 (LDG). MD 3.9 (ROM). Felt (V) in the epicentral area.
15	11	55	27.9*	25.143	N	119.278	E	33	N	3.3	1.2	5	NEAR SOUTHEASTERN COAST OF CHINA
15	12	05	10.3*	42.768	N	12.932	E	10	G		1.3	14	CENTRAL ITALY. ML 3.6 (VIE). MD 3.2 (ROM). Felt (IV) in the epicentral area.
15	12	11	06.2*	30.660	S	71.846	W	50	G		0.3	16	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
15	12	23	52.0*	3.180	N	133.129	E	33	N	4.3	1.2	17	WESTERN CAROLINE ISLANDS
15	12	41	46.3?	52.93	S	140.52	E	10	G	4.4	1.4	16	WEST OF MACQUARIE ISLAND
15	12	42	01.7	38.755	N	70.666	E	33	N	4.8	1.1	30	AFGHANISTAN-TAJIKISTAN BORD REG.
15	13	08	47.4	11.503	N	142.514	E	50	D	4.4	0.9	21	SOUTH OF MARIANA ISLANDS
15	14	09	58.2	42.870	N	12.963	E	10	G		1.2	73	CENTRAL ITALY. ML 4.0 (STR), 3.8 (VIE), 3.8 (FUR), 3.5 (LDG). MD 3.6 (ROM). Felt (V) in the epicentral area.
15	14	23	02.5*	14.630	N	144.703	E	33	N	3.9	0.6	9	MARIANA ISLANDS
15	14	27	49.2&	59.805	N	153.316	W	117				38	SOUTHERN ALASKA. <AEIC>.
15	14	30	03.0	30.890	S	71.379	W	71	D	4.1	0.8	26	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
15	14	35	52.8*	43.120	N	12.668	E	10	G		0.7	14	CENTRAL ITALY. MD 3.1 (ROM). Felt (IV) in the epicentral area.
15	14	44	52.8*	30.818	S	71.757	W	50	G		0.4	13	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
15	14	50	33.6	31.053	S	71.269	W	61	D	4.5	1.0	33	NEAR COAST OF CENTRAL CHILE. Felt (III) at Coquimbo, Combarbala, Illapel, La Serena, Papudo, Petorca and Salamanca; (II) at Llaillay, Los Andes, Panquehue, San Esteban, San Felipe and Zapallar.
15	14	55	01.4&	39.620	N	120.072	W	4				17	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.1 (BRK).
15	15	25	47.2*	17.944	S	172.942	W	33	N	4.3	1.0	16	TONGA ISLANDS REGION
15	15	36	12.7	42.854	N	12.938	E	10	G		1.1	41	CENTRAL ITALY. ML 3.9 (VIE), 3.8 (LDG), 3.6 (FUR). MD 3.5 (ROM). Felt (V) in the epicentral area.
15	16	03	41.3*	2.723	N	128.757	E	150	G	3.9	0.7	11	HALMAHERA, INDONESIA
15	16	07	03.3*	30.721	S	71.868	W	33	N		0.8	16	NEAR COAST OF CENTRAL CHILE
15	16	43	25.9*	36.733	N	71.273	E	200	G	4.2	1.0	12	AFGHANISTAN-TAJIKISTAN BORD REG.
15	17	07	12.1&	63.633	N	149.615	W	122				71	CENTRAL ALASKA. <AEIC>.
15	17	15	57.5?	42.90	N	12.81	E	10	G		1.5	16	CENTRAL ITALY. ML 3.3 (LDG), 3.2 (VIE). MD 3.3 (ROM). Felt (IV) in the epicentral area.
15	17	26	02.2*	30.755	S	71.645	W	50	G	4.5	0.9	18	NEAR COAST OF CENTRAL CHILE
15	17	56	31.2	14.498	S	167.231	E	200	G	4.5	1.0	72	VANUATU ISLANDS

15	18	18	15.4	42.866	N	12.965	E	10	G		1.1	59	CENTRAL ITALY. ML 3.7 (VIE), 3.5 (LDG). MD 3.6 (ROM). Felt (V) in the epicentral area.
15	18	49	54.8	43.023	N	12.827	E	10	G		1.1	107	CENTRAL ITALY. ML 3.9 (STR), 3.9 (VIE), 3.8 (FUR), 3.6 (LDG). MD 3.6 (ROM). Felt (V) in the epicentral area.
15	18	58	04.2	39.662	N	120.135	W	5	G		1.1	15	NORTHERN CALIFORNIA. ML 3.0 (BRK).
15	19	20	47.0	51.586	N	16.230	E	5	G		0.7	13	POLAND. ML 3.2 (GRF), 3.2 (VIE).
15	19	40	24.2*	30.820	S	71.600	W	55	D		1.4	10	NEAR COAST OF CENTRAL CHILE
15	19	48	31.8%	18.673	N	67.443	W	10	G		0.5	9	MONA PASSAGE. MD 3.3 (MPR).
15	20	08	34.8*	27.738	N	54.313	E	33	N		0.7	12	SOUTHERN IRAN
15	20	23	08.5	21.457	S	129.808	W	10	G	5.3 4.5	0.6	136	SOUTH PACIFIC OCEAN
15	20	30	55.5	35.772	N	80.661	E	33	N	4.8 5.0	1.1	58	KASHMIR-XIZANG BORDER REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:30:58.5; Lat 35.75 N; Lon 81.02 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.31, Plg=26, Azm=287; (N) Val=-0.35, Plg=49, Azm=164; (P) Val=-8.96, Plg=30, Azm=33; Best double couple: Mo=9.1*10**16 Nm; NP1: Strike=69, Dip=49, Slip=-4; NP2: Strike=161, Dip=87, Slip=-139.
15	20	38	20.1%	42.878	N	0.130	E	5	G		0.7	5	PYRENEES. ML 2.3 (LDG). Felt (II) in the Ossau Valley, France.
15	20	38	24.7*	42.876	N	0.009	E	5	G		0.8	6	PYRENEES. ML 2.8 (LDG), 2.5 (STR). Felt (III) in the Ossau Valley, France.
15	20	40	26.3?	43.04	N	0.09	E	5	G		0.6	4	FRANCE. ML 2.7 (LDG). Felt (III) in the Ossau Valley.
15	21	19	05.6*	22.013	S	176.844	W	200	G	4.4	0.9	24	SOUTH OF FIJI ISLANDS
15	21	45	07.8?	30.43	S	177.82	W	33	N	4.2	0.9	12	KERMADEC ISLANDS, NEW ZEALAND
15	21	52	36.6	30.901	S	71.334	W	55	D	4.3	0.8	19	NEAR COAST OF CENTRAL CHILE
15	22	09	33.9*	42.758	N	12.904	E	10	G		1.2	21	CENTRAL ITALY. ML 3.0 (LDG). MD 2.9 (ROM). Felt (III) in the epicentral area.
15	22	28	56.9*	24.118	N	121.977	E	33	N		1.2	13	TAIWAN. Felt (III JMA) in Hua-lien. Felt in much of eastern Taiwan.
15	22	45	49.5?	21.18	S	174.62	W	33	N	4.1	0.4	8	TONGA ISLANDS
15	22	53	10.4	42.930	N	12.890	E	10	G	4.5	1.0	138	CENTRAL ITALY. ML 4.4 (VIE), 4.4 (FUR), 4.2 (STR), 3.9 (LDG). MD 3.9 (ROM). Felt (VI) in the epicentral area.
16	00	04	02.7*	9.259	S	126.056	E	33	N	4.4	0.9	7	TIMOR REGION, INDONESIA
16	00	08	07.6	1.009	N	120.080	E	58	D	4.9	1.0	48	MINAHASSA PENINSULA, SULAWESI
16	00	11	45.0	42.889	N	12.962	E	10	G		1.1	64	CENTRAL ITALY. ML 3.7 (VIE), 3.6 (FUR), 3.5 (LDG). MD 3.7 (ROM). Felt (V) in the epicentral area.
16	00	19	08.2*	50.484	N	3.471	W	10	G		0.7	15	UNITED KINGDOM. ML 3.2 (LDG). Felt (IV) in the Dartmouth area.
16	00	41	37.4%	37.675	N	3.567	W	10	G		1.0	11	SPAIN. mbLg 2.7 (MDD).
16	00	45	37.2	30.993	S	71.129	W	64	D	5.4 4.5	0.9	102	NEAR COAST OF CENTRAL CHILE. MD 5.1 (SAN). Felt (V) at Los Vilos; (III) at La Ligua, Los Andes, Papudo, Quillota, San Felipe and Valparaiso; (II) at Santiago.
16	01	21	39.0%	35.967	N	3.186	W	10	G		0.7	5	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
16	02	10	07.5?	34.98	N	29.61	E	33	N	4.2	1.0	17	EASTERN MEDITERRANEAN SEA
16	02	23	37.6	42.911	N	12.921	E	10	G	4.7	1.1	103	CENTRAL ITALY. ML 4.1 (VIE), 4.0 (FUR), 3.9 (STR), 3.7 (LDG). MD 3.8 (ROM). Felt (V) in the epicentral area.
16	02	34	59.2*	36.230	N	22.237	E	33	N	3.9	1.2	25	SOUTHERN GREECE
16	02	46	44.8*	7.049	N	73.077	W	136	?	4.7	1.1	24	NORTHERN COLOMBIA
16	02	53	31.0*	30.973	S	71.319	W	48	D	4.8	0.5	9	NEAR COAST OF CENTRAL CHILE
16	03	54	23.8?	17.41	S	179.06	W	550	G	4.0	0.5	8	FIJI ISLANDS REGION
16	04	35	44.5?	15.97	S	173.87	W	33	N	4.6	0.9	11	TONGA ISLANDS
16	04	52	55.6	42.979	N	12.893	E	10	G	4.2	1.0	102	CENTRAL ITALY. ML 4.5 (VIE), 4.4 (FUR), 4.1 (STR), 3.9 (LDG). MD 3.8 (ROM). Felt (VI) in the epicentral area.
16	05	10	50.4*	31.124	S	71.222	W	63	D	4.0	1.0	12	NEAR COAST OF CENTRAL CHILE
16	05	55	24.3%	45.273	N	7.357	E	10	G		1.0	6	NORTHERN ITALY. ML 1.9 (LDG).
16	06	26	05.1	20.420	N	145.180	E	107	D	4.7	1.1	35	MARIANA ISLANDS
16	06	42	34.7*	8.323	N	94.401	E	33	N	4.9	1.4	23	NICOBAR ISLANDS, INDIA
16	06	58	41.3*	45.716	N	12.847	E	10	G		0.4	6	NORTHERN ITALY. ML 2.6 (VIE).
16	07	39	18.1*	21.920	S	176.650	W	200	G	4.2	1.0	12	FIJI ISLANDS REGION
16	08	27	27.7	10.792	N	61.915	W	67	D	4.3	1.1	26	TRINIDAD. Felt (IV) in the Port-of-Spain area.
16	09	37	54.6&	34.020	N	116.749	W	13				28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). MD 3.3 (EDX).
16	10	06	19.3	11.545	S	117.427	E	33	N	4.2	1.1	24	SOUTH OF SUMBAWA, INDONESIA
16	10	14	51.6*	30.408	S	69.572	W	50	G		1.4	7	CHILE-ARGENTINA BORDER REGION
16	10	35	44.1*	9.990	N	121.232	E	33	N	4.4 3.8	1.1	16	SULU SEA
16	11	16	56.8?	41.15	N	25.35	E	33	N		1.3	6	GREECE-BULGARIA BORDER REGION
16	12	00	31.2	43.020	N	12.847	E	10	G		1.1	160	CENTRAL ITALY. ML 4.8 (VIE), 4.6 (FUR), 4.5 (STR), 4.3 (LDG). MD 4.1 (ROM). Felt (VI) in the epicentral area.
16	12	09	48.0*	23.799	N	125.294	E	33	N	4.0	1.1	11	SOUTHWESTERN RYUKYU ISLANDS
16	12	38	48.7	30.771	S	71.457	W	51	D	4.2	1.0	37	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
16	12	40	39.7	30.413	N	138.671	E	412	*	4.3	0.9	32	SOUTH OF HONSHU, JAPAN
16	13	21	41.7	16.181	N	98.649	W	33	N	4.6 3.7	1.0	44	NEAR COAST OF GUERRERO, MEXICO
16	13	26	15.4%	9.336	S	158.958	E	33	N		0.9	9	SOLOMON ISLANDS
16	13	46	17.6*	34.090	N	141.740	E	33	N	3.8	0.8	7	OFF EAST COAST OF HONSHU, JAPAN
16	14	13	43.0*	36.265	N	70.814	E	100	G	4.5	0.9	13	HINDU KUSH REGION, AFGHANISTAN
16	14	40	31.8?	17.23	S	178.89	W	450	G	4.2	0.7	10	FIJI ISLANDS REGION
16	15	58	14.3*	30.460	S	71.664	W	33	N		0.4	16	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
16	16	02	29.7&	34.224	N	118.620	W	3				28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.3 (GS). Felt at Chatsworth and in the San Fernando Valley.
16	16	08	32.6?	21.62	S	176.78	W	200	G	3.8	1.0	12	FIJI ISLANDS REGION
16	17	02	15.6%	9.219	S	119.570	E	33	N		1.0	7	SUMBA REGION, INDONESIA
16	17	31	43.9	42.880	N	12.971	E	10	G	4.3	1.1	127	CENTRAL ITALY. ML 4.5 (VIE), 4.2 (STR), 4.2 (FUR). MD 3.8 (ROM). Felt (V) in the epicentral area.
16	18	18	18.2%	45.440	N	6.086	E	5	G		0.5	6	FRANCE. ML 2.1 (LDG).
16	19	00	05.3	43.604	N	146.615	E	33	N	4.6	1.0	45	KURIL ISLANDS. Felt (V) on Shikotan and at Yuzhno-Kurilsk, Kunashir. Also felt (II JMA) in the Nemuro area, Hokkaido.
16	20	47	51.6	42.982	N	12.826	E	10	G		1.0	19	CENTRAL ITALY. ML 3.3 (VIE), 3.0 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.
16	21	12	27.6&	63.533	N	150.756	W	13				40	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
16	21	38	03.9*	29.160	N	130.427	E	33	N	4.0	0.8	10	RYUKYU ISLANDS
16	21	45	22.8	51.285	N	177.868	W	33	N	4.7 4.1	1.0	98	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR). Felt (II) at Adak.
16	22	24	39.0	14.754	S	167.385	E	100	G	4.6	1.0	70	VANUATU ISLANDS

16	23	03	18.8&	60.034	N	153.141	W	125				46	SOUTHERN ALASKA. <AEIC>.
16	23	52	50.2?	40.56	N	25.31	E	10	G		0.6	7	AEGEAN SEA
16	23	58	00.5%	44.429	N	7.321	E	10	G		0.4	7	NORTHERN ITALY. ML 1.8 (GEN).
17	00	04	08.0*	21.705	S	176.921	W	300	G	4.3	0.7	35	FIJI ISLANDS REGION
17	00	28	02.5&	63.064	N	150.631	W	123				74	CENTRAL ALASKA. <AEIC>.
17	00	28	46.7*	19.793	S	69.174	W	100	G		1.1	8	NORTHERN CHILE
17	00	51	15.3%	46.054	N	7.316	E	5	G		0.8	10	SWITZERLAND. ML 2.1 (LDG).
17	00	54	16.9	7.291	S	128.897	E	131		5.3	1.0	68	BANDA SEA
17	02	10	08.4	44.216	N	6.214	E	10	G		0.7	23	FRANCE. ML 2.2 (LDG), 2.2 (GEN).
17	02	43	58.8*	11.152	N	92.445	E	33	N	4.0	0.7	12	ANDAMAN ISLANDS, INDIA
17	04	01	05.3	5.840	N	77.597	W	10	G	4.5	1.2	54	NEAR WEST COAST OF COLOMBIA. MD 4.9 (UPA).
17	07	02	06.5%	44.222	N	6.250	E	10	G		0.9	10	FRANCE. ML 2.1 (LDG).
17	07	56	19.0	7.719	N	126.852	E	80	?	4.3	1.3	16	MINDANAO, PHILIPPINE ISLANDS
17	08	54	28.2*	49.601	S	117.508	E	10	G	4.3	1.0	17	SOUTH OF AUSTRALIA
17	09	33	31.8%	8.529	N	82.843	W	10	G		0.4	6	PANAMA-COSTA RICA BORDER REGION. MD 3.9 (UPA).
17	09	55	15.2	57.538	S	147.970	E	10	G	5.2 5.9	0.9	69	WEST OF MACQUARIE ISLAND. Mw 6.2 (GS), 6.2 (HRV). Moment Tensor (GS): Dep 12; Principal axes (scale 10**18 Nm): (T) Val=2.04, Plg=8, Azm=209; (N) Val=-0.06, Plg=82, Azm=32; (P) Val=-1.98, Plg=0, Azm=299; Best double couple: Mo=2.0*10**18 Nm; NP1: Strike=345, Dip=84, Slip=5; NP2: Strike=254, Dip=85, Slip=174. Centroid, Moment Tensor (HRV): Centroid origin time 09:55:25.3; Lat 57.68 S; Lon 148.03 E; Dep 15.0 Fix; Half-duration 2.9 sec; Principal axes (scale 10**18 Nm): (T) Val=2.18, Plg=6, Azm=31; (N) Val=-0.16, Plg=84, Azm=227; (P) Val=-2.03, Plg=2, Azm=121; Best double couple: Mo=2.1*10**18 Nm; NP1: Strike=166, Dip=85, Slip=3; NP2: Strike=76, Dip=87, Slip=175. Scalar Moment (PPT): Mo=1.7*10**18 Nm.
17	09	57	42.3*	55.775	N	163.025	E	33	N		0.8	15	OFF EAST COAST OF KAMCHATKA
17	10	32	12.9&	62.806	N	149.280	W	71				39	CENTRAL ALASKA. <AEIC>.
17	10	59	29.5*	21.002	S	176.765	W	150	G	4.2	1.0	33	FIJI ISLANDS REGION
17	11	19	04.0%	46.608	N	5.078	E	10	G		0.3	6	FRANCE
17	12	07	59.9	3.866	S	119.635	E	28		4.8	1.0	51	SULAWESI, INDONESIA
17	12	10	25.2%	43.055	N	12.715	E	10	G		0.7	13	CENTRAL ITALY. ML 3.4 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
17	12	11	02.7*	23.662	S	175.675	W	33	N	4.7	1.2	35	TONGA ISLANDS REGION
17	12	38	37.6*	12.252	N	142.278	E	100	G	4.3	0.5	8	SOUTH OF MARIANA ISLANDS
17	13	03	10.1*	34.763	N	80.263	E	33	N	3.8	0.9	8	XIZANG
17	13	14	16.3*	22.758	N	121.576	E	33	N	3.9	1.5	15	TAIWAN REGION
17	13	18	34.9	44.253	N	6.324	E	10	G		0.8	22	FRANCE. ML 2.2 (LDG), 2.0 (STR).
17	13	21	22.9%	44.233	N	6.193	E	10	G		0.4	9	FRANCE. ML 1.9 (LDG).
17	13	59	43.2*	20.347	N	145.321	E	100	G	4.2	0.8	16	MARIANA ISLANDS
17	14	23	45.8	42.887	N	12.910	E	10	G		1.3	101	CENTRAL ITALY. ML 4.5 (VIE), 4.1 (FUR), 4.0 (STR), 3.9 (LDG), 3.7 (ROM). Felt (V) in the epicentral area.
17	14	23	59.3	35.069	N	27.531	E	33	N	4.4	0.9	15	DODECANESE ISLANDS
17	14	56	22.1%	8.122	N	82.736	W	20	G		0.8	5	PANAMA-COSTA RICA BORDER REGION. MD 3.9 (UPA).
17	15	02	00.4	20.888	S	178.839	W	579	D	5.3	0.9	266	FIJI ISLANDS REGION. Mw 6.0 (GS), 6.0 (HRV). Me 5.1 (GS). Broadband Source Parameters (GS): Dep 579; NP1: Strike=45, Dip=85, Slip=-90; NP2: Strike=225, Dip=5, Slip=-90; Radiated energy 1.0*10**12 Nm. Moment Tensor (GS): Dep 580; Principal axes (scale 10**18 Nm): (T) Val=1.19, Plg=39, Azm=143; (N) Val=0.18, Plg=8, Azm=46; (P) Val=-1.36, Plg=49, Azm=306; Best double couple: Mo=1.3*10**18 Nm; NP1: Strike=285, Dip=10, Slip=-30; NP2: Strike=45, Dip=85, Slip=-98. Centroid, Moment Tensor (HRV): Centroid origin time 15:02:05.6; Lat 20.94 S; Lon 178.58 W; Dep 588.5; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=1.16, Plg=43, Azm=136; (N) Val=0.09, Plg=4, Azm=42; (P) Val=-1.25, Plg=47, Azm=308; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=282, Dip=5, Slip=-30; NP2: Strike=42, Dip=88, Slip=-94.
17	15	11	10.8	42.884	N	12.780	E	10	G		1.3	26	CENTRAL ITALY. MD 3.3 (ROM). ML 3.3 (LDG). Felt (IV) in the epicentral area.
17	16	12	37.1?	52.27	N	173.40	W	64	?	4.3	1.3	9	ANDREANOF ISLANDS, ALEUTIAN IS.
17	16	35	31.6	30.940	S	71.500	W	60	D	4.7	1.0	24	NEAR COAST OF CENTRAL CHILE
17	16	4.	41.0*	35.163	S	70.116	W	47	D	3.8	1.1	11	CHILE-ARGENTINA BORDER REGION
17	16	49	18.7	43.938	N	11.382	E	10	G		0.5	22	CENTRAL ITALY. ML 3.0 (STR), 2.7 (LDG).
17	16	54	13.3*	43.234	N	12.579	E	10	G		0.9	13	CENTRAL ITALY. MD 3.1 (ROM). ML 2.9 (LDG). Felt (IV) in the epicentral area.
17	17	35	17.5	39.541	N	76.843	E	49	*	4.8 5.1	1.1	87	SOUTHERN XINJIANG, CHINA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:35:17.6; Lat 39.59 N; Lon 77.07 E; Dep 33.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.27, Plg=8, Azm=295; (N) Val=-0.17, Plg=81, Azm=81; (P) Val=-1.10, Plg=5, Azm=204; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=339, Dip=81, Slip=178; NP2: Strike=70, Dip=88, Slip=9.
17	17	40	54.3?	43.10	N	0.07	E	5	G		1.0	4	FRANCE. ML 2.0 (LDG).
17	18	20	21.7?	45.89	N	14.06	E	10	G		0.1	4	NORTHWESTERN BALKAN REGION. ML 1.3 (LJU).
17	19	00	20.8	51.742	N	16.108	E	5	G		0.8	12	POLAND. ML 3.6 (VIE), 3.1 (CLL).
17	19	11	59.3	51.705	N	16.119	E	5	G		1.3	11	POLAND. ML 3.8 (VIE), 3.5 (GRF).
17	20	01	54.3	30.848	S	70.989	W	100	G	5.0	1.1	44	CHILE-ARGENTINA BORDER REGION. Felt (IV) at Coquimbo, Combarbala, Illapel, La Serena, Los Vilos, Ovalle, Punitaqui and Salamanca; (III) at Panquehue and San Felipe, Chile.
17	21	43	07.2	30.786	S	71.339	W	48	D	4.9	1.0	32	NEAR COAST OF CENTRAL CHILE. Felt (IV) at Limari and Punitaqui; (III) at Choapa and La Serena.
17	22	31	21.9*	45.471	N	12.660	E	10	G		0.5	8	NORTHERN ITALY. ML 2.4 (VIE).
17	23	05	59.8*	7.853	N	127.160	E	33	N	4.3	1.4	14	PHILIPPINE ISLANDS REGION
18	00	24	48.9*	2.100	S	99.574	E	33	N		1.0	13	SOUTHERN SUMATERA, INDONESIA
18	00	25	38.5*	23.873	S	179.775	E	500	G	4.5	1.0	28	SOUTH OF FIJI ISLANDS

18	00	32	17.7	2.239	S	138.944	E	33	N	4.0	0.8	13	IRIAN JAYA, INDONESIA
18	01	05	10.7	45.966	N	8.277	E	10	G		0.8	58	NORTHERN ITALY. ML 2.9 (STR), 2.8 (GEN), 2.6 (LDG), 2.5 (FBB).
18	01	07	32.4&	45.830	N	8.045	E	5	G		1.3	9	NORTHERN ITALY. ML 1.9 (LDG).
18	01	10	13.1	43.134	N	12.692	E	10	G		0.9	20	CENTRAL ITALY. MD 3.2 (ROM). ML 3.0 (LDG). Felt (IV) in the epicentral area.
18	01	15	24.7&	35.915	N	80.645	E	33	N		0.5	6	KASHMIR-XIZANG BORDER REGION
18	01	48	21.1*	43.081	N	12.857	E	10	G		0.8	16	CENTRAL ITALY. MD 3.3 (ROM). ML 3.0 (LDG). Felt (IV) in the epicentral area.
18	02	40	04.6	0.895	S	124.066	E	36		5.5 5.0	1.3	127	SOUTHERN MOLUCCA SEA. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:40:06.2; Lat 1.19 S; Lon 124.61 E; Dep 34.5; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.27, Plg=10, Azm=161; (N) Val=0.12, Plg=80, Azm=327; (P) Val=-2.39, Plg=3, Azm=71; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=206, Dip=81, Slip=175; NP2: Strike=297, Dip=85, Slip=9.
18	02	40	12.0	44.238	N	6.275	E	5	G		0.8	37	FRANCE. ML 2.6 (GEN), 2.2 (LDG), 2.1 (STR).
18	03	14	46.4&	45.654	N	27.055	E	33	N		0.1	5	ROMANIA
18	04	00	48.9&	36.595	N	77.819	E	33	N		0.7	8	KASHMIR-XINJIANG BORDER REGION
18	04	46	42.9*	43.077	N	12.785	E	10	G		0.7	14	CENTRAL ITALY. ML 3.0 (LDG). MD 2.9 (ROM). Felt (III) in the epicentral area.
18	04	55	14.9	17.577	N	102.990	W	33	N	4.4 3.6	0.8	47	NEAR COAST OF MICHOACAN, MEXICO
18	06	19	30.9?	36.48	N	139.60	E	100	G		0.9	5	EASTERN HONSHU, JAPAN
18	07	01	08.9?	46.11	N	6.96	E	5	G		0.2	5	SWITZERLAND. ML 2.1 (LDG).
18	07	28	55.1*	24.018	N	141.802	E	200	G	4.3	0.7	9	VOLCANO ISLANDS REGION
18	08	07	31.0	49.929	N	18.792	E	10	G		1.2	18	CZECH AND SLOVAK REPUBLICS. ML 4.2 (GRF), 3.7 (VIE), 3.6 (CLL).
18	08	43	16.5?	54.30	N	163.75	W	33	N		1.2	8	UNIMAK ISLAND REGION
18	09	18	55.1*	39.900	N	28.605	E	10	G	3.9	1.3	31	TURKEY
18	09	47	19.4	46.036	N	6.850	E	5	G		1.1	22	SWITZERLAND. ML 2.4 (LDG), 2.4 (GEN), 2.3 (STR).
18	09	49	40.9	46.103	N	6.789	E	5	G		1.0	38	SWITZERLAND. ML 2.7 (LDG), 2.7 (STR), 2.6 (GEN).
18	10	08	25.3	47.067	N	145.635	E	391		4.6	0.8	152	SEA OF OKHOTSK
18	10	21	20.2	22.904	S	174.791	W	33	N	4.6	0.8	34	TONGA ISLANDS REGION
18	10	26	13.3	41.838	N	141.259	E	131	*	4.3	0.9	52	HOKKAIDO, JAPAN REGION
18	10	58	44.5	31.005	S	70.991	W	100	G	4.6	1.1	40	CHILE-ARGENTINA BORDER REGION
18	11	06	30.6	2.725	N	79.690	W	10	G	4.7	0.8	52	SOUTH OF PANAMA
18	11	32	49.3&	41.348	S	174.194	E	33	N		0.7	10	COOK STRAIT, NEW ZEALAND. ML 3.9 (WEL).
18	11	33	26.9&	59.980	N	153.448	W	134				40	SOUTHERN ALASKA. <AEIC>.
18	11	35	52.4	51.656	N	16.206	E	5	G		0.9	11	POLAND. ML 3.7 (VIE).
18	11	37	54.3&	48.001	N	6.719	E	5	G		1.1	5	FRANCE. ML 1.8 (LDG).
18	12	23	19.5	5.421	S	151.312	E	54	*	4.6	0.8	24	NEW BRITAIN REGION, P.N.G.
18	13	45	12.0?	17.22	S	178.73	W	500	G	3.9	0.3	9	FIJI ISLANDS REGION
18	14	17	45.6*	13.147	N	87.668	W	200	G	4.1	1.0	14	HONDURAS
18	14	21	50.9?	23.04	S	175.27	W	200	G	4.1	1.1	12	TONGA ISLANDS REGION
18	15	07	18.0&	59.051	N	152.433	W	62				40	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
18	15	08	53.5&	37.530	N	2.338	W	5	G		0.6	7	SPAIN. mbLg 2.6 (MDD).
18	15	24	50.5*	19.679	S	69.155	W	123	*	4.5	1.4	19	NORTHERN CHILE
18	15	33	26.6*	37.036	N	95.302	E	33	N		0.7	7	QINGHAI, CHINA
18	15	55	43.6*	6.242	S	149.738	E	55	*	4.2	1.3	14	NEW BRITAIN REGION, P.N.G.
18	17	10	48.4*	42.779	N	12.937	E	10	G		1.3	35	CENTRAL ITALY. ML 3.7 (VIE), 3.2 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
18	17	41	50.8*	43.084	N	12.629	E	10	G		0.6	15	CENTRAL ITALY. MD 3.4 (ROM). ML 2.9 (LDG). Felt (IV) in the epicentral area.
18	17	46	16.4	46.089	N	27.593	W	10	G	4.4	0.7	35	NORTHERN MID-ATLANTIC RIDGE
18	18	00	55.1?	43.18	N	12.20	E	10	G		0.7	7	CENTRAL ITALY. MD 2.9 (ROM). ML 2.7 (LDG). Felt (III) in the epicentral area.
18	18	03	08.4*	36.939	N	71.479	E	150	G	3.7	0.8	10	AFGHANISTAN-TAJIKISTAN BORD REG.
18	18	43	52.4	51.621	N	16.264	E	5	G		0.9	29	POLAND. ML 4.0 (GRF), 3.6 (VIE).
18	19	10	14.1*	14.744	N	88.896	W	33	N	4.6	1.0	30	HONDURAS. Felt (II) at San Salvador, El Salvador.
18	19	14	06.8*	1.800	S	124.030	E	33	N	3.8	1.2	9	SOUTHERN MOLUCCA SEA
18	19	20	55.8?	9.02	N	79.64	W	10	G		0.0	4	PANAMA. MD 3.1 (UPA).
18	19	31	42.7*	29.106	N	102.652	E	33	N	4.2	1.2	9	SICHUAN, CHINA
18	19	58	43.9	45.070	N	11.893	E	10	G		1.2	34	NORTHERN ITALY. ML 3.2 (VIE), 2.9 (LDG).
18	20	20	20.5*	37.144	S	78.335	E	10	G	4.7	1.5	21	MID-INDIAN RIDGE
18	20	57	05.6?	36.35	N	71.86	E	300	G		1.1	7	AFGHANISTAN-TAJIKISTAN BORD REG.
18	20	57	16.1&	33.419	N	118.744	W	10				26	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
18	21	05	41.6*	28.887	S	71.527	W	33	N	4.7	1.2	18	NEAR COAST OF CENTRAL CHILE
18	22	10	58.9&	61.624	N	150.303	W	43				52	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
18	22	58	00.3?	46.13	N	7.16	E	5	G		1.3	6	SWITZERLAND. ML 2.0 (LDG).
18	23	32	23.7	43.014	N	12.745	E	10	G		0.9	36	CENTRAL ITALY. MD 3.3 (ROM). ML 3.2 (VIE), 3.1 (LDG). Felt (IV) in the epicentral area.
18	23	43	09.2	45.211	N	5.842	E	5	G		1.4	12	FRANCE. ML 2.2 (STR), 2.0 (LDG).
19	00	44	31.9	42.917	N	12.874	E	10	G		1.2	76	CENTRAL ITALY. ML 4.0 (VIE), 3.6 (LDG). MD 3.9 (ROM). Felt (V) in the epicentral area.
19	01	21	28.6	37.998	N	69.641	E	33	N	4.7	1.0	15	AFGHANISTAN-TAJIKISTAN BORD REG.
19	01	56	38.2*	44.826	N	33.778	E	58	*	3.7	0.9	29	CRIMEA REGION, UKRAINE
19	02	15	07.4*	18.542	S	174.304	W	33	N	5.0	1.2	23	TONGA ISLANDS
19	02	41	32.0*	42.797	N	12.991	E	10	G		1.2	23	CENTRAL ITALY. MD 3.5 (ROM). ML 3.5 (VIE), 3.3 (LDG). Felt (V) in the epicentral area.
19	02	58	57.1	5.714	S	149.312	E	115	D	4.5	1.1	27	NEW BRITAIN REGION, P.N.G.
19	03	38	54.4&	53.978	N	163.981	W	45		4.0		77	UNIMAK ISLAND REGION. <AEIC>. ML 4.0 (AEIC).
19	03	51	32.7*	9.025	S	118.643	E	33	N	3.8	0.8	8	SUMBAWA REGION, INDONESIA
19	04	09	29.2	43.504	N	126.996	W	10	G	3.8 3.6	0.7	128	OFF COAST OF OREGON
19	04	13	51.6*	3.321	S	139.792	E	33	N	4.6	0.6	7	IRIAN JAYA, INDONESIA
19	04	30	17.6	23.763	N	45.642	W	10	G	4.5 4.0	0.8	34	NORTHERN MID-ATLANTIC RIDGE
19	04	38	16.9&	34.987	N	116.953	W	6				26	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.7 (GS).
19	04	45	09.6*	21.907	S	176.800	W	200	G	4.4	0.9	24	FIJI ISLANDS REGION
19	04	51	25.1	42.901	N	12.893	E	10	G		1.2	48	CENTRAL ITALY. MD 3.9 (ROM). ML 3.8 (VIE), 3.5 (LDG). Felt (V) in the epicentral area.
19	05	02	10.6?	34.54	N	137.02	E	340	*	3.4	0.4	6	NEAR S. COAST OF HONSHU, JAPAN
19	05	04	36.8&	18.054	N	67.002	W	10	G		0.5	5	MONA PASSAGE. MD 2.4 (MPR).
19	05	52	24.3*	29.270	N	139.434	E	415	*	3.7	1.0	18	SOUTH OF HONSHU, JAPAN

19	06	18	01.9?	2.39	N	99.27	E	33	N			1.5	4	NORTHERN SUMATERA, INDONESIA
19	06	18	48.6*	5.607	S	102.739	E	33	N			0.9	9	SOUTHERN SUMATERA, INDONESIA
19	06	21	49.6*	49.125	N	6.988	E	10	G			1.2	6	GERMANY. ML 2.9 (GRF), 2.6 (UCC), 2.2 (DBN). Mining induced event in the Lorraine region, France.
19	07	05	28.9?	52.03	N	178.16	W	110	*	4.1		0.9	21	ANDREANOF ISLANDS, ALEUTIAN IS.
19	07	30	00.7	7.616	N	37.133	W	10	G	4.8	4.8	1.0	50	CENTRAL MID-ATLANTIC RIDGE. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:30:05.2; Lat 7.74 N; Lon 37.40 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.35, Plg=12, Azm=45; (N) Val=-0.38, Plg=75, Azm=188; (P) Val=-0.97, Plg=9, Azm=313; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=89, Dip=76, Slip=178; NP2: Strike=179, Dip=88, Slip=14.
19	07	51	01.4*	40.562	N	48.959	E	33	N	4.3		0.9	9	EASTERN CAUCASUS
19	08	08	03.3?	45.51	N	12.70	E	10	G			0.3	6	NORTHERN ITALY. ML 2.3 (VIE).
19	08	32	49.7*	36.659	S	96.050	W	10	G	4.7	4.6	0.8	35	WEST CHILE RISE
19	09	15	19.2?	8.58	N	82.99	W	10	G			1.0	5	PANAMA-COSTA RICA BORDER REGION. MD 3.8 (UPA).
19	09	45	22.8*	24.114	S	66.766	W	200	G	3.9		1.0	9	SALTA PROVINCE, ARGENTINA
19	10	12	28.0	36.310	S	70.302	W	161	D	4.9		1.0	49	CHILE-ARGENTINA BORDER REGION
19	10	30	58.0	47.359	N	11.758	E	10	G			1.2	54	AUSTRIA. ML 3.1 (GRF), 3.1 (FBB), 3.1 (VIE), 3.0 (LDG), 3.0 (STR), 2.7 (FUR). Felt (IV) at Schwaz.
19	10	39	36.2%	45.896	N	2.959	E	10	G			0.4	8	FRANCE. ML 1.8 (LDG).
19	10	56	28.7*	27.163	S	178.331	W	300	G	3.8		0.9	18	KERMADEC ISLANDS REGION
19	11	10	12.0	24.866	S	70.551	W	33	N	4.6	4.2	1.2	40	NEAR COAST OF NORTHERN CHILE
19	11	52	29.4*	28.832	N	99.249	E	33	N			0.8	9	YUNNAN, CHINA
19	12	03	03.5	23.266	S	70.422	W	80	*	4.9		1.0	56	NEAR COAST OF NORTHERN CHILE
19	12	14	32.2*	23.176	S	70.835	W	33	N			1.1	12	NEAR COAST OF NORTHERN CHILE
19	12	31	32.5*	44.244	N	148.826	E	33	N	4.7		1.1	25	KURIL ISLANDS
19	12	58	08.2*	2.756	N	75.140	W	33	N			0.6	7	COLOMBIA
19	13	01	31.1?	18.08	N	67.01	W	10	G			0.4	4	MONA PASSAGE. MD 2.2 (MPR).
19	14	31	06.0	36.411	N	70.794	E	206	D	4.8		0.8	84	HINDU KUSH REGION, AFGHANISTAN
19	15	11	48.8%	38.162	N	72.812	E	130	?			1.0	8	TAJIKISTAN
19	15	17	15.1*	31.375	S	69.084	W	144		4.4		0.6	9	SAN JUAN PROVINCE, ARGENTINA
19	15	53	38.9	21.795	S	175.014	W	33	N	5.6	5.9	1.0	156	TONGA ISLANDS. Mw 5.8 (HRV). Ms 6.0 (BRK). Centroid, Moment Tensor (HRV): Centroid origin time 15:53:43.0; Lat 22.06 S; Lon 173.90 W; Dep 19.2; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=4.52, Plg=64, Azm=281; (N) Val=0.84, Plg=6, Azm=23; (P) Val=-5.36, Plg=25, Azm=116; Best double couple: Mo=4.9*10**17 Nm; NP1: Strike=219, Dip=20, Slip=107; NP2: Strike=21, Dip=70, Slip=84. Scalar Moment (PPT): Mo=4.1*10**17 Nm.
19	16	00	17.3	42.973	N	12.806	E	10	G	4.5		1.1	127	CENTRAL ITALY. ML 4.5 (VIE), 4.1 (FUR), 4.1 (STR), 3.9 (LDG). MD 4.1 (ROM). Felt (VI) in the epicentral area.
19	16	36	53.5%	47.740	N	6.373	E	10	G			1.0	10	FRANCE. ML 2.2 (LDG).
19	16	58	23.9?	57.68	N	120.37	E	33	N			0.8	7	SOUTHEASTERN SIBERIA, RUSSIA
19	17	56	44.5%	45.244	N	3.417	E	10	G			1.3	5	FRANCE. ML 1.7 (LDG).
19	18	54	31.3	15.460	N	94.655	W	33	N	4.7		0.9	67	NEAR COAST OF OAXACA, MEXICO
19	19	49	44.5?	17.68	S	178.48	W	600	G	4.1		1.3	18	FIJI ISLANDS REGION
19	20	13	10.1	21.558	N	143.102	E	300	G	4.0		1.0	34	MARIANA ISLANDS REGION
19	20	52	48.9	46.988	N	12.731	E	10	G			1.0	23	NORTHERN ITALY. ML 3.2 (STR), 2.8 (LDG), 2.8 (VIE), 2.5 (FUR).
19	22	24	54.9	44.563	N	7.315	E	10	G			0.4	12	NORTHERN ITALY. ML 2.0 (GEN), 1.4 (LDG).
19	22	31	46.9	43.085	N	0.703	W	10	G			0.2	10	PYRENEES. ML 2.1 (LDG), 2.0 (STR).
19	23	00	06.5	47.719	N	152.692	E	100	G	4.7		0.9	54	KURIL ISLANDS
19	23	06	19.0&	47.766	N	121.867	W	3					30	WASHINGTON. <SEA-P>. MD 3.1 (SEA). ML 3.2 (GS). Felt.
19	23	14	40.7?	27.15	N	140.51	E	450	G	4.4		1.0	12	BONIN ISLANDS REGION
20	00	12	59.9*	22.755	S	174.909	W	33	N	4.6		1.0	22	TONGA ISLANDS REGION
20	00	22	53.3?	23.33	S	174.62	W	33	N	4.3		1.1	10	TONGA ISLANDS REGION
20	01	27	03.6	42.904	N	12.890	E	10	G			1.2	74	CENTRAL ITALY. ML 3.9 (VIE), 3.4 (LDG). MD 3.7 (ROM). Felt (VI) in the epicentral area.
20	02	12	06.8?	18.34	S	174.27	W	33	N	4.4		0.8	6	TONGA ISLANDS
20	03	17	32.9	36.990	N	115.881	W	5	G			0.7	8	CALIFORNIA-NEVADA BORDER REGION. ML 2.3 (GS).
20	03	31	08.5	30.712	S	71.349	W	45	D	5.0		1.1	65	NEAR COAST OF CENTRAL CHILE. MD 5.0 (SAN). Felt (V) at Ovalle, (IV) at Paihuano and (III) at Coquimbo, Illapel, La Serena and Monte Patria.
20	03	54	09.8	7.626	S	127.332	E	178		5.2		1.0	135	BANDA SEA
20	04	23	52.4?	5.27	S	151.08	E	33	N	4.2		1.0	6	NEW BRITAIN REGION, P.N.G.
20	04	39	15.5?	22.56	S	174.84	W	33	N	4.5		1.6	14	TONGA ISLANDS REGION
20	04	52	56.6?	18.33	S	168.90	E	200	G	4.1		0.7	6	VANUATU ISLANDS
20	05	09	17.7*	42.931	N	145.293	E	33	N			0.8	13	HOKKAIDO, JAPAN REGION
20	05	14	40.3	25.611	S	176.815	W	33	N	5.2	4.7	1.0	101	SOUTH OF FIJI ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:14:46.2; Lat 25.64 S; Lon 176.20 W; Dep 36.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.34, Plg=66, Azm=246; (N) Val=-0.42, Plg=10, Azm=0; (P) Val=-8.91, Plg=21, Azm=94; Best double couple: Mo=9.1*10**16 Nm; NP1: Strike=202, Dip=25, Slip=114; NP2: Strike=355, Dip=67, Slip=79.
20	05	27	36.8*	19.165	N	145.539	E	300	G	3.9		1.0	10	MARIANA ISLANDS
20	06	00	00.1*	20.166	S	177.986	W	500	G	4.3		0.9	13	FIJI ISLANDS REGION
20	06	04	39.3?	1.04	N	67.05	E	10	G			1.5	9	CARLSBERG RIDGE
20	06	09	04.2	28.502	N	57.275	E	33	N	5.6	5.0	0.9	239	SOUTHERN IRAN. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:09:09.5; Lat 27.98 N; Lon 57.45 E; Dep 33.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.63, Plg=61, Azm=330; (N) Val=-0.19, Plg=12, Azm=81; (P) Val=-1.44, Plg=27, Azm=177; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=293, Dip=21, Slip=124; NP2: Strike=77, Dip=72, Slip=78.
20	06	09	31.9	42.947	N	12.799	E	10	G			1.2	74	CENTRAL ITALY. ML 3.9 (VIE), 3.9 (STR), 3.5 (LDG). MD 3.7 (ROM). Felt (V) in the epicentral area.
20	06	32	16.4*	30.848	S	71.859	W	33	N			1.3	13	NEAR COAST OF CENTRAL CHILE

20	06	38	57.9?	17.48	S	167.50	E	33	N	4.1		1.3	8	VANUATU ISLANDS
20	07	02	20.7	37.834	N	111.879	W	10	G			1.0	16	UTAH. ML 3.1 (GS).
20	07	15	31.4*	4.734	S	153.215	E	63	*	4.3		1.3	24	NEW IRELAND REGION, P.N.G.
20	07	55	08.2*	17.516	S	176.560	W	33	N	4.2		1.3	19	FIJI ISLANDS REGION
20	08	15	53.5*	2.910	S	126.203	E	33	N	4.3		0.8	13	CERAM SEA
20	08	20	04.4&	63.025	N	148.830	W	74					57	CENTRAL ALASKA. <AEIC>.
20	10	06	34.5	28.516	N	57.253	E	33	N	4.9		0.9	106	SOUTHERN IRAN
20	10	21	46.7*	44.866	N	79.899	E	33	N	4.1		1.3	16	EASTERN KAZAKHSTAN. Felt (II) at Almaty.
20	10	51	12.1&	54.182	N	164.566	W	75					12	UNIMAK ISLAND REGION. <AEIC>.
20	10	55	19.4	4.861	N	76.284	W	118				1.3	27	COLOMBIA. MD 4.8 (UPA).
20	11	04	16.7	30.769	S	71.325	W	52	D	4.6		1.3	33	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN). Felt (V) at Paihuano, (IV) at Ovalle and (III) at Coquimbo and La Serena.
20	13	36	02.1*	26.736	S	26.699	E	5	G			1.0	9	REPUBLIC OF SOUTH AFRICA
20	13	48	50.1&	44.577	N	4.691	E	10	G			0.7	5	FRANCE. ML 2.5 (STR).
20	14	12	14.6	36.286	N	141.026	E	44	D	4.9		0.9	36	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in many parts of Ibaraki Prefecture. Also felt (II JMA) in southern Fukushima and western Tochigi Prefectures.
20	14	43	20.0*	27.435	S	177.699	W	33	N	4.0		1.1	11	KERMADEC ISLANDS REGION
20	15	43	32.0&	44.637	N	6.690	E	10	G			0.6	7	FRANCE. ML 2.1 (GEN).
20	16	13	03.7*	21.893	S	176.834	W	200	G	4.3		1.1	24	FIJI ISLANDS REGION
20	17	11	45.2	31.723	N	141.513	E	33	N	4.9		0.8	39	SOUTH OF HONSHU, JAPAN
20	17	46	13.7	30.771	S	71.450	W	57	D	4.4		1.1	34	NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN). Felt (III) at Coquimbo, La Serena, Ovalle, Paihuano and Punitaqui.
20	18	21	42.4*	21.770	S	176.739	W	100	G	4.5		1.1	22	FIJI ISLANDS REGION
20	18	38	56.1*	38.792	N	142.120	E	79	?			0.8	11	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in southeastern Iwate Prefecture.
20	18	42	25.7&	23.957	N	122.262	E	33	N			0.5	6	TAIWAN REGION
20	19	01	21.7?	25.62	S	179.78	E	500	G	4.4		1.1	20	SOUTH OF FIJI ISLANDS
20	19	20	28.2?	4.46	S	153.99	E	135	?	3.8		0.9	9	NEW IRELAND REGION, P.N.G.
20	19	20	41.6*	26.337	S	27.416	E	5	G	4.5		1.3	10	REPUBLIC OF SOUTH AFRICA
20	19	34	34.1*	52.105	N	170.759	W	33	N	3.8		1.1	15	FOX ISLANDS, ALEUTIAN ISLANDS
20	20	16	10.3&	63.366	N	149.784	W	117					57	CENTRAL ALASKA. <AEIC>.
20	20	44	09.1	17.164	S	174.212	W	134	D	5.1		0.8	142	TONGA ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:44:13.1; Lat 17.41 S; Lon 173.54 W; Dep 141.0; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.95, Plg=43, Azm=265; (N) Val=-0.04, Plg=1, Azm=174; (P) Val=-1.91, Plg=47, Azm=83; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=20, Dip=2, Slip=-64; NP2: Strike=174, Dip=88, Slip=-91.
20	21	15	00.5&	44.460	N	7.284	E	10	G			0.4	10	NORTHERN ITALY. ML 2.2 (GEN).
20	21	43	10.5*	4.665	S	152.619	E	100	G	4.0		0.8	14	NEW BRITAIN REGION, P.N.G.
20	22	33	38.8?	22.09	S	176.76	W	200	G	4.1		1.0	15	SOUTH OF FIJI ISLANDS
20	23	34	01.3?	7.86	S	111.51	E	85	?	4.0		0.9	11	JAWA, INDONESIA
20	23	56	11.5*	19.465	S	69.202	W	128	*	4.4		1.3	10	NORTHERN CHILE
21	00	18	08.1*	57.122	N	120.226	E	10	G			1.2	9	SOUTHEASTERN SIBERIA, RUSSIA
21	00	21	38.5*	9.296	S	157.863	E	33	N			1.5	12	SOLOMON ISLANDS
21	02	10	40.7?	0.48	N	123.81	E	33	N	4.2		1.1	8	MINAHASSA PENINSULA, SULAWESI
21	03	53	54.5?	47.99	N	146.04	E	33	N			1.5	13	NORTHWEST OF KURIL ISLANDS
21	04	19	21.4*	31.127	S	71.030	W	100	G			1.5	15	NEAR COAST OF CENTRAL CHILE
21	04	43	07.1	4.452	N	97.014	E	68	*	4.6		0.9	24	NORTHERN SUMATERA, INDONESIA
21	04	46	57.9*	39.428	N	25.881	E	10	G	4.1		1.1	13	AEGEAN SEA
21	04	52	30.0*	21.765	S	176.670	W	200	G	4.1		0.7	12	FIJI ISLANDS REGION
21	04	53	58.4?	52.69	N	176.87	W	250	G	4.2		1.4	16	ANDREANOF ISLANDS, ALEUTIAN IS.
21	05	33	36.3&	63.169	N	149.367	W	88					72	CENTRAL ALASKA. <AEIC>.
21	06	13	54.7*	4.388	S	129.669	E	112	?	4.6		1.3	20	BANDA SEA
21	06	32	34.7	41.128	N	107.211	E	24	D	5.1	4.5	1.0	80	WESTERN NEI MONGOL, CHINA. Mw 4.9 (HRV). Some damage in the Urad area. Centroid, Moment Tensor (HRV): Centroid origin time 06:32:36.7; Lat 41.02 N; Lon 107.42 E; Dep 24.2 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.16, Plg=0, Azm=148; (N) Val=-1.39, Plg=62, Azm=58; (P) Val=-1.76, Plg=28, Azm=238; Best double couple: Mo=2.5*10**16 Nm; NP1: Strike=279, Dip=71, Slip=-21; NP2: Strike=16, Dip=71, Slip=-159.
21	07	34	39.2?	19.44	S	177.29	W	300	G	4.2		0.9	13	FIJI ISLANDS REGION
21	08	10	32.5	50.600	N	129.540	W	10	G	4.0		1.0	86	VANCOUVER ISLAND REGION
21	10	11	59.4&	61.305	N	147.445	W	24					72	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
21	10	33	38.5&	59.760	N	153.499	W	147					37	SOUTHERN ALASKA. <AEIC>.
21	10	49	32.6	40.676	N	30.559	E	10	G	4.1		1.2	44	TURKEY. MD 3.9 (ISK).
21	10	55	23.6	34.959	N	138.115	E	33	N	4.0		1.0	25	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) in many parts of Shizuoka Prefecture. Also felt (II JMA) in southeastern Aichi, southern Kanagawa and southern Nagano Prefectures.
21	10	59	24.5	22.218	S	67.604	W	174		4.6		0.8	49	CHILE-BOLIVIA BORDER REGION
21	11	42	01.7&	46.629	N	153.291	E	33	N			1.2	10	KURIL ISLANDS
21	14	23	54.1&	46.220	N	14.339	E	10	G			0.2	5	NORTHWESTERN BALKAN REGION. ML 2.2 (LJU).
21	14	29	16.5	30.964	S	71.268	W	68	D	4.6		0.9	38	NEAR COAST OF CENTRAL CHILE. MD 4.8 (SAN). Felt (IV) at Canela, Combarbala, Illapel, Ovalle and Salamanca; (III) at Hurtado and Monte Patria.
21	16	21	39.6?	42.79	N	7.28	W	10	G			0.0	4	SPAIN. mbLg 3.1 (MDD).
21	16	44	39.5	48.737	N	9.620	E	20	G			1.4	78	GERMANY. ML 4.1 (CLL), 4.1 (VIE), 4.0 (STR), 3.9 (FUR), 3.9 (GRF), 3.9 (LDG). Felt (V) at Lorch and at Schwabisch Gmund.
21	16	55	48.7&	55.439	N	162.456	E	33	N			0.5	7	NEAR EAST COAST OF KAMCHATKA
21	17	35	54.7*	42.875	N	12.964	E	10	G			1.0	21	CENTRAL ITALY. ML 3.4 (VIE), 3.2 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
21	17	57	44.7	39.013	N	22.061	E	15	D	4.9	4.4	1.3	201	GREECE. Felt in many parts of Thessalia.
21	20	12	45.8&	36.567	N	3.165	W	10	G			1.2	7	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
21	20	21	19.8*	45.687	N	12.774	E	10	G			0.5	7	NORTHERN ITALY. ML 2.8 (VIE).
21	20	44	08.5	47.294	N	11.671	E	10	G			0.7	6	AUSTRIA. ML 1.7 (VIE).
21	22	47	21.1&	62.091	N	149.000	W	15					69	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 2.9 (PMR).
21	23	04	27.7	45.561	N	12.568	E	10	G			1.3	27	NORTHERN ITALY. ML 3.1 (VIE), 3.0 (FUR), 2.9 (LDG).
22	00	03	37.2&	60.884	N	147.483	W	21					70	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).

22	00	04	47.4%	44.345	N	7.330	E	10	G			0.4	5	NORTHERN ITALY. ML 1.6 (GEN).
22	00	48	56.1	49.732	N	155.915	E	49	D	4.6		1.0	47	KURIL ISLANDS. Felt (II) at Severo-Kurilsk.
22	02	09	24.1&	63.260	N	150.569	W	129					47	CENTRAL ALASKA. <AEIC>.
22	02	30	09.0%	37.771	N	4.610	W	10	G			0.7	12	SPAIN. mbLg 3.1 (MDD).
22	02	34	00.2	44.531	N	129.319	W	10	G	4.1		0.6	78	OFF COAST OF OREGON
22	02	55	17.2*	36.834	N	21.870	E	33	N			0.5	12	SOUTHERN GREECE
22	03	00	15.9%	37.695	N	4.631	W	10	G			0.6	12	SPAIN. mbLg 2.5 (MDD).
22	03	41	46.3	5.922	N	125.979	E	138	D	5.1		1.0	102	MINDANAO, PHILIPPINE ISLANDS
22	04	32	24.1	30.877	S	71.446	W	51	D	4.7		1.0	25	NEAR COAST OF CENTRAL CHILE. Felt (IV) at Los Vilos, Monte Patria, Punitaqui and Salamanca; (III) at Canela, Combarbala, Hurtado and Ovalle.
22	04	34	11.0?	14.70	N	92.79	W	33	N	3.9		1.2	7	NEAR COAST OF CHIAPAS, MEXICO
22	04	42	32.2	44.413	N	6.489	E	5	G			0.9	57	FRANCE. ML 2.9 (LDG), 2.9 (GEN), 2.8 (STR).
22	04	51	08.5	44.411	N	6.492	E	5	G			0.9	53	FRANCE. ML 2.8 (LDG), 2.8 (GEN), 2.7 (STR).
22	06	00	08.2*	36.406	N	71.624	E	150	G	4.1		0.9	14	AFGHANISTAN-TAJIKISTAN BORD REG.
22	06	12	15.4&	59.944	N	151.897	W	60					44	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
22	06	26	47.3*	31.844	S	71.621	W	50	G	4.6		1.5	11	NEAR COAST OF CENTRAL CHILE. Felt (V) at Illapel; (IV) at Los Vilos, Monte Patria, Punitaqui and Salamanca; (III) at Canela, Combarbala, Hurtado, Ovalle, Panquehue, Quillota, San Felipe and Santa Maria; (II) at Hijuelas.
22	06	30	13.3	15.649	N	46.723	W	10	G	4.8	4.3	0.8	86	NORTHERN MID-ATLANTIC RIDGE
22	06	32	08.2&	60.235	N	151.131	W	55					85	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC).
22	06	41	03.7?	36.32	N	139.80	E	100	G			0.6	8	EASTERN HONSHU, JAPAN
22	07	33	33.5*	36.123	N	136.972	E	274		3.8		0.8	15	NEAR WEST COAST OF HONSHU, JAPAN
22	07	48	59.8	45.522	N	26.360	E	140				0.7	31	ROMANIA. Felt (III) in the epicentral area.
22	08	31	40.4	57.950	S	25.501	W	33	N	4.8		0.9	43	SOUTH SANDWICH ISLANDS REGION
22	08	36	43.5&	62.975	N	151.374	W	123					37	CENTRAL ALASKA. <AEIC>.
22	09	08	33.8*	23.085	S	169.997	E	33	N	4.3		1.1	15	LOYALTY ISLANDS REGION
22	09	24	43.6?	45.72	N	26.65	E	130	G			0.5	6	ROMANIA
22	09	50	49.6?	22.43	S	66.72	W	223	*	3.7		1.0	10	JUJUY PROVINCE, ARGENTINA
22	09	55	47.7	44.719	N	146.211	E	154	D	5.5		0.9	420	KURIL ISLANDS. Mw 5.6 (GS), 5.6 (HRV). Felt (II JMA) in the Kushiro area, Hokkaido. Felt in many parts of southeastern Hokkaido and northern Honshu. Also felt (II) at Yuzhno-Kurilsk, Kunashir. Moment Tensor (GS): Dep 149; Principal axes (scale 10**17 Nm): (T) Val=2.18, Plg=16, Azm=151; (N) Val=0.45, Plg=39, Azm=47; (P) Val=-2.64, Plg=47, Azm=259; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=282, Dip=44, Slip=-27; NP2: Strike=32, Dip=71, Slip=-131. Centroid, Moment Tensor (HRV): Centroid origin time 09:55:52.5; Lat 44.83 N; Lon 146.40 E; Dep 161.1; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.56, Plg=9, Azm=163; (N) Val=0.13, Plg=47, Azm=63; (P) Val=-2.69, Plg=41, Azm=261; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=293, Dip=55, Slip=-26; NP2: Strike=39, Dip=69, Slip=-142.
22	11	10	03.3*	24.438	N	122.131	E	33	N	4.5		0.8	7	TAIWAN REGION
22	11	16	26.8	22.371	N	121.614	E	33	N	4.9	4.5	1.0	56	TAIWAN REGION
22	11	22	18.2*	21.734	N	143.034	E	300	G	3.7		1.4	20	MARIANA ISLANDS REGION
22	11	26	44.8?	17.67	S	178.21	W	550	G	3.9		0.8	10	FIJI ISLANDS REGION
22	11	31	56.1*	8.036	N	147.391	E	33	N	4.6		1.5	16	E. CAROLINE ISLANDS, MICRONESIA
22	12	22	33.0*	47.838	N	13.161	E	5	G			0.5	6	AUSTRIA. ML 2.2 (VIE).
22	12	23	22.7	6.224	S	148.668	E	48	D	4.6		1.2	41	NEW BRITAIN REGION, P.N.G.
22	12	54	26.9?	16.83	S	178.62	E	33	N	4.5		0.7	11	FIJI ISLANDS
22	13	00	21.1?	20.59	S	169.44	E	33	N	3.6		1.3	10	VANUATU ISLANDS
22	13	44	59.0*	1.333	S	129.352	E	33	N	4.1		1.4	9	HALMAHERA, INDONESIA
22	14	08	21.9*	44.088	N	114.740	W	10	G			1.0	5	WESTERN IDAHO. ML 3.0 (GS).
22	14	09	59.4&	34.302	N	116.451	W	6					24	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt in the Landers and Yucca Valley areas.
22	14	13	05.2*	21.163	S	176.731	W	224	D	4.4		0.9	21	FIJI ISLANDS REGION
22	15	22	40.7&	61.492	N	146.695	W	12					48	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
22	16	10	32.6*	25.383	N	101.400	E	33	N	4.2		1.0	9	YUNNAN, CHINA
22	16	19	22.2*	7.184	S	127.116	E	300	G	4.4		1.3	15	BANDA SEA
22	16	21	15.8*	19.567	S	175.158	W	33	N	4.9		1.3	16	TONGA ISLANDS
22	16	36	52.8&	31.901	N	115.802	W	6	G				19	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.0 (PAS). MD 3.5 (ECX).
22	16	49	48.8?	33.31	S	176.78	W	33	N	4.5		0.9	5	SOUTH OF KERMADEC ISLANDS
22	17	17	20.6&	66.321	N	154.465	W	16					61	NORTHERN ALASKA. <AEIC>. ML 4.3 (AEIC), 4.4 (PMR). Felt at Hughes.
22	17	41	55.2	53.619	N	157.890	E	200	G	4.6		0.8	20	KAMCHATKA
22	17	45	07.5*	42.523	N	19.905	E	10	G			0.6	11	NORTHWESTERN BALKAN REGION
22	18	07	50.1&	62.258	N	151.210	W	79					84	CENTRAL ALASKA. <AEIC>.
22	18	08	01.3*	7.552	S	80.632	W	33	N	4.3		1.1	17	OFF COAST OF NORTHERN PERU
22	18	44	32.2*	39.527	N	76.489	E	33	N	4.1		1.2	12	SOUTHERN XINJIANG, CHINA
22	18	54	37.6?	42.64	N	142.63	E	33	N			1.0	6	HOKKAIDO, JAPAN REGION
22	19	27	49.4*	26.119	S	178.827	W	350	G	4.1		1.2	28	SOUTH OF FIJI ISLANDS
22	20	06	44.1	42.761	N	12.905	E	10	G			1.3	27	CENTRAL ITALY. ML 3.6 (VIE), 3.2 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
22	20	12	16.9*	43.010	N	12.731	E	10	G			1.1	19	CENTRAL ITALY. MD 3.3 (ROM). ML 3.2 (VIE), 3.0 (LDG). Felt (IV) in the epicentral area.
22	21	02	35.1?	47.48	N	7.36	E	5	G			0.5	4	SWITZERLAND. ML 2.1 (LDG).
22	21	29	44.6*	7.037	S	150.166	E	33	N	4.3		1.0	14	NEW BRITAIN REGION, P.N.G.
22	21	48	24.9*	6.134	S	130.143	E	94	*	4.5		1.2	18	BANDA SEA
22	22	20	28.3*	54.243	S	5.996	E	10	G			1.5	16	BOUVET ISLAND REGION
22	23	19	01.7?	2.45	S	138.88	E	33	N	4.1		0.9	9	IRIAN JAYA, INDONESIA
23	01	16	01.8	8.666	S	117.017	E	160	D	5.5		1.0	190	SUMBAWA REGION, INDONESIA. Mw 5.7 (HRV). Felt (III) at Denpasar, Bali; Mataram, Lombok; and Waingapu, Sumba. Also felt (II) at Ruteng, Flores. Centroid, Moment Tensor (HRV): Centroid origin time 01:16:04.3; Lat 8.77 S; Lon 116.95 E; Dep 154.3; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.73, Plg=37, Azm=353; (N) Val=-0.12, Plg=11, Azm=91; (P) Val=-3.61, Plg=51, Azm=195; Best double couple: Mo=3.7*10**17 Nm; NP1: Strike=35, Dip=13, Slip=-147; NP2:

Strike=273, Dip=83, Slip=-79.

23	02	15	03.4*	18.824	N	106.814	W	33	N	3.9	0.9	22	OFF COAST OF JALISCO, MEXICO
23	02	15	12.2*	71.070	N	13.409	W	10	G		1.2	11	JAN MAYEN ISLAND REGION
23	03	07	06.5&	45.291	N	25.413	E	33	N		0.5	6	ROMANIA
23	03	18	08.1*	43.280	N	12.495	E	10	G		0.8	14	CENTRAL ITALY. ML 3.0 (LDG), 2.5 (VIE). MD 2.9 (ROM). Felt (III) in the epicentral area.
23	03	48	44.0*	8.225	N	39.232	W	10	G		1.3	10	CENTRAL MID-ATLANTIC RIDGE
23	05	30	14.2&	37.966	N	118.690	W	0				34	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.6 (BRK), 3.6 (GS).
23	06	26	42.7&	61.348	N	150.412	W	44		4.6		162	SOUTHERN ALASKA. <AEIC>. ML 4.4 (AEIC), 4.3 (PMR). Felt (III) at Anchorage, Eagle River and Palmer.
23	06	41	53.4?	31.30	N	140.64	E	93	?		1.1	6	SOUTH OF HONSHU, JAPAN
23	07	06	26.4	6.713	S	131.321	E	33	N	4.8	1.3	23	TANIMBAR ISLANDS REG., INDONESIA
23	07	31	29.2*	53.202	N	165.072	W	33	N		0.5	12	FOX ISLANDS, ALEUTIAN ISLANDS. ML 2.7 (AEIC).
23	07	35	17.9*	23.922	S	179.817	E	550	G	4.1	0.9	25	SOUTH OF FIJI ISLANDS
23	08	58	45.0	43.089	N	12.832	E	10	G		1.2	62	CENTRAL ITALY. ML 4.3 (VIE), 4.0 (STR), 3.9 (LDG). MD 3.9 (ROM). Felt (V) in the epicentral area.
23	09	30	19.9	46.316	N	12.748	E	10	G		1.0	12	NORTHERN ITALY. ML 2.5 (VIE).
23	09	35	34.6?	5.59	S	151.09	E	33	N	3.8	1.4	5	NEW BRITAIN REGION, P.N.G.
23	09	54	21.6	15.293	S	75.233	W	33	N	4.6	0.8	46	NEAR COAST OF PERU
23	10	12	25.5	21.643	N	142.824	E	300	G	4.6	1.0	89	MARIANA ISLANDS REGION
23	10	45	51.7?	41.06	N	125.67	W	10	G		1.0	9	OFF COAST OF NORTHERN CALIFORNIA
23	12	07	01.6	47.237	N	8.511	E	37	*		0.9	42	SWITZERLAND. ML 3.2 (LDG), 3.1 (FBB), 3.0 (STR), 3.0 (VIE).
23	12	16	37.1*	21.624	N	143.370	E	269	?	3.5	0.6	13	MARIANA ISLANDS REGION
23	12	28	33.4	26.998	N	100.392	E	33	N	5.1 4.6	1.0	103	YUNNAN, CHINA. Mw 5.1 (HRV). Some damage to houses in the Lijiang area. Centroid, Moment Tensor (HRV): Centroid origin time 12:28:38.2; Lat 27.14 N; Lon 100.55 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.71, Plg=26, Azm=78; (N) Val=-0.08, Plg=7, Azm=171; (P) Val=-5.64, Plg=63, Azm=274; Best double couple: Mo=5.7*10**16 Nm; NP1: Strike=153, Dip=20, Slip=-110; NP2: Strike=353, Dip=72, Slip=-83.
23	12	46	02.5	44.594	N	9.264	E	10	G		0.8	49	NORTHERN ITALY. ML 3.0 (STR), 2.9 (GEN), 2.8 (LDG), 2.8 (VIE).
23	12	51	52.5*	12.004	N	143.832	E	33	N		1.1	10	SOUTH OF MARIANA ISLANDS
23	13	51	11.9	47.471	N	8.203	E	5	G		0.5	10	SWITZERLAND. ML 2.3 (LDG).
23	14	01	22.2	2.721	S	139.316	E	10	G	4.2	1.2	24	NEAR NORTH COAST OF IRIAN JAYA
23	14	07	28.8	46.453	N	27.505	W	10	G	5.0 5.2	1.0	183	NORTHERN MID-ATLANTIC RIDGE. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:07:32.8; Lat 46.25 N; Lon 27.68 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.54, Plg=13, Azm=99; (N) Val=0.43, Plg=27, Azm=2; (P) Val=-1.97, Plg=59, Azm=212; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=220, Dip=40, Slip=-44; NP2: Strike=347, Dip=63, Slip=-121.
23	14	35	32.8	28.043	N	53.870	E	33	N	4.8 4.1	0.8	96	SOUTHERN IRAN
23	14	38	14.4?	23.63	S	179.73	E	550	G	4.2	1.2	11	SOUTH OF FIJI ISLANDS
23	14	45	05.9?	25.45	S	179.70	E	500	G	4.3	1.1	15	SOUTH OF FIJI ISLANDS
23	16	09	16.2	17.673	S	178.854	W	550	G	4.5	0.8	55	FIJI ISLANDS REGION
23	16	53	35.2	36.221	N	77.819	E	86	D	4.5	1.0	33	KASHMIR-XINJIANG BORDER REGION
23	17	22	48.8	35.305	N	27.844	E	10	G		0.9	22	DODECANESE ISLANDS
23	17	44	10.9?	35.94	N	71.37	E	153	?	3.9	0.2	6	PAKISTAN
23	17	47	45.6?	22.78	S	175.61	W	33	N	4.4	0.7	10	TONGA ISLANDS REGION
23	18	03	04.7&	60.943	N	150.192	W	38				82	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
23	18	58	30.9&	34.977	N	116.955	W	6				29	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
23	19	01	53.6?	5.39	S	151.04	E	33	N	4.1	1.4	10	NEW BRITAIN REGION, P.N.G.
23	19	04	53.1*	42.987	N	12.724	E	10	G		1.1	20	CENTRAL ITALY. MD 3.4 (ROM). ML 3.3 (VIE), 3.1 (LDG). Felt (IV) in the epicentral area.
23	19	47	04.2*	6.355	S	147.747	E	33	N		0.6	7	EASTERN NEW GUINEA REG., P.N.G.
23	19	59	19.9?	33.61	N	141.49	E	80	?	4.3	1.4	13	OFF EAST COAST OF HONSHU, JAPAN
23	20	29	42.8	45.975	N	5.642	W	10	G		1.1	31	NORTH ATLANTIC OCEAN. ML 3.3 (LDG).
23	21	34	32.3?	6.31	S	129.95	E	33	N	4.0	1.4	8	BANDA SEA
23	21	51	13.4&	36.015	N	3.109	W	10	G		0.9	6	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
23	22	22	45.9	43.688	N	7.745	E	10	G		0.7	16	NEAR SOUTH COAST OF FRANCE. ML 2.3 (GEN), 2.2 (LDG).
23	23	09	08.3&	63.295	N	151.349	W	7				66	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.5 (PMR).
23	23	24	33.5&	52.760	N	162.072	W	36		3.7		38	SOUTH OF ALASKA. <AEIC>. ML 3.9 (AEIC).
23	23	28	37.4&	61.394	N	147.285	W	28				62	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
23	23	41	26.7*	5.517	S	151.047	E	33	N	3.5	1.0	8	NEW BRITAIN REGION, P.N.G.
24	00	29	50.5?	17.99	N	65.31	W	5	G		0.7	7	PUERTO RICO REGION. MD 3.2 (MPR).
24	03	05	27.0?	38.09	N	2.10	W	10	G		0.3	4	SPAIN. mbLg 2.8 (MDD).
24	03	12	53.8?	5.41	S	151.04	E	33	N	4.2	1.5	10	NEW BRITAIN REGION, P.N.G.
24	03	34	04.9*	15.613	N	146.756	E	33	N		0.7	6	MARIANA ISLANDS
24	05	04	45.3&	36.530	N	121.113	W	6				17	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.2 (GS), 3.1 (BRK).
24	05	41	59.1*	21.459	S	68.243	W	145	*	4.2	1.0	15	CHILE-BOLIVIA BORDER REGION
24	07	02	18.7&	27.959	N	53.796	E	33	N		0.9	10	SOUTHERN IRAN
24	07	09	37.4*	28.013	N	53.911	E	33	N	4.2	1.3	15	SOUTHERN IRAN
24	07	29	27.3&	54.584	N	163.492	W	5				15	UNIMAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
24	07	36	48.2	45.946	N	14.312	E	10	G		0.9	14	NORTHWESTERN BALKAN REGION. ML 3.1 (VIE), 2.6 (LJU). Felt (IV) at Horjul and Vrhnika, Slovenia.
24	08	03	40.2*	43.351	N	147.247	E	62	D	4.7	0.8	14	KURIL ISLANDS
24	08	35	17.8	31.118	N	87.339	W	10	G	4.8 4.2	1.0	87	ALABAMA. mbLg 4.9 (GS). Felt (VI) at Brewton, Canoe and Lambeth; (V) at Atmore, Flomaton, Frisco City and Huxford; (IV) at Perdido and Robinsonville; (III) at Butler, Demopolis, Goodway, Mobile and Uriah. Felt (V) at Century; (IV) at McDavid, Pensacola and Walnut Hill; (III) at Milton, Florida. Felt (IV) at Leakesville, Mississippi. Also felt at Megargel; Elgin AFB, Florida; Biloxi and Gulfport, Mississippi.
24	09	20	36.5?	28.48	N	54.01	E	33	N		1.4	11	SOUTHERN IRAN
24	09	24	40.1&	31.888	N	115.764	W	6	G			1	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 2.8 (PAS). MD 2.8 (ECX).
24	09	30	42.5*	22.483	N	101.728	E	10	G		1.3	7	MYANMAR-CHINA BORDER REGION

24	10	17	27.1*	11.341	N	124.971	E	33	N	4.4	1.2	15	LEYTE, PHILIPPINE ISLANDS
24	11	31	59.6%	57.118	N	120.370	E	10	G		0.3	5	SOUTHEASTERN SIBERIA, RUSSIA
24	11	46	46.5%	45.214	N	6.687	E	5	G		1.2	8	FRANCE. ML 2.1 (LDG).
24	11	50	12.6	57.281	N	120.113	E	10	G	4.7	0.9	52	SOUTHEASTERN SIBERIA, RUSSIA. Felt (V) at Khani.
24	11	52	24.6*	7.318	S	156.203	E	33	N	4.3	0.9	9	SOLOMON ISLANDS
24	11	58	10.9%	57.146	N	120.321	E	10	G		1.1	8	SOUTHEASTERN SIBERIA, RUSSIA
24	12	05	45.6%	57.108	N	120.398	E	10	G		1.4	9	SOUTHEASTERN SIBERIA, RUSSIA
24	12	06	51.8	28.536	N	82.345	E	33	N	4.8	1.0	57	NEPAL
24	12	19	02.4*	57.116	N	120.224	E	10	G	4.5	1.4	17	SOUTHEASTERN SIBERIA, RUSSIA
24	12	19	38.5	3.528	N	126.706	E	75	*	4.3	0.7	14	TALAUD ISLANDS, INDONESIA
24	12	52	52.2	57.172	N	119.741	E	33	N	4.7	1.2	60	EAST OF LAKE BAYKAL, RUSSIA
24	13	14	00.9*	57.116	N	120.497	E	10	G		1.1	9	SOUTHEASTERN SIBERIA, RUSSIA
24	13	45	08.9*	6.690	S	146.021	E	141	*	4.0	1.0	13	EASTERN NEW GUINEA REG., P.N.G.
24	14	29	40.7*	19.133	S	67.263	W	237			0.9	15	SOUTHERN BOLIVIA
24	15	25	04.8*	31.111	S	71.856	W	33	N		1.2	8	NEAR COAST OF CENTRAL CHILE
24	16	10	21.2	49.428	N	6.935	E	10	G		0.6	9	GERMANY. ML 1.7 (UCC). Mining induced event in the Lorraine region, France.
24	16	39	25.6%	12.007	N	146.126	E	33	N		1.0	8	SOUTH OF MARIANA ISLANDS
24	17	28	30.6?	35.31	N	69.50	E	100	G		1.4	8	HINDU KUSH REGION, AFGHANISTAN
24	17	37	19.7*	2.370	S	134.225	E	33	N	4.0	1.3	12	IRIAN JAYA REGION, INDONESIA
24	17	54	09.8&	59.889	N	153.193	W	125				34	SOUTHERN ALASKA. <AEIC>.
24	18	07	53.5%	11.106	S	164.767	E	50	G		1.1	9	SANTA CRUZ ISLANDS REGION
24	18	23	02.3*	26.504	N	125.300	E	150	G	3.6	1.1	11	NORTHEAST OF TAIWAN
24	19	37	12.9%	58.791	N	120.455	E	10	G		1.0	7	SOUTHEASTERN SIBERIA, RUSSIA
24	19	54	30.5&	60.144	N	153.413	W	153				99	SOUTHERN ALASKA. <AEIC>.
24	20	14	39.8?	53.43	N	164.17	W	33	N		1.4	9	UNIMAK ISLAND REGION
24	20	23	43.5	30.067	S	71.575	W	33	N	4.7	0.9	33	NEAR COAST OF CENTRAL CHILE. Felt (IV) at Andacollc, Coquimbo, La Serena, Monte Patria and Ovalle; (III) at Illapel, Salamanca and Vicuna; (II) at Santiago and Vallenar.
24	20	55	02.3	41.642	N	22.321	E	5	G		0.9	10	NORTHWESTERN BALKAN REGION
24	21	25	24.2*	23.978	S	66.783	W	204	*	4.6	1.3	12	JUJUY PROVINCE, ARGENTINA
24	22	32	47.7*	34.962	N	26.844	E	33	N		1.2	21	CRETE
24	23	50	17.6*	2.122	S	139.767	E	33	N		0.9	6	NEAR NORTH COAST OF IRIAN JAYA
25	00	16	25.2*	3.299	S	134.457	E	33	N	3.7	1.2	9	IRIAN JAYA REGION, INDONESIA
25	00	38	44.7	40.487	N	26.332	E	30		4.2	0.9	39	TURKEY. ML 4.1 (THE).
25	01	29	12.3?	6.26	N	82.43	W	33	N	4.7	1.4	13	SOUTH OF PANAMA
25	02	40	14.2*	24.320	N	122.114	E	33	N	4.5	1.2	16	TAIWAN REGION
25	03	08	06.1	42.838	N	13.009	E	10	G	4.4	1.2	178	CENTRAL ITALY. ML 4.6 (VIE), 4.5 (STR), 4.0 (LDG). MD 4.3 (ROM). Felt (VI) in the epicentral area.
25	03	39	51.8	41.636	N	22.302	E	10	G		1.0	7	NORTHWESTERN BALKAN REGION
25	04	30	50.7	51.568	N	175.718	W	33	N	4.5 4.5	1.1	62	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
25	05	03	23.4	18.833	N	145.682	E	231	D	4.4	1.0	33	MARIANA ISLANDS
25	05	18	30.1	17.647	S	178.880	W	531		5.0	0.9	192	FIJI ISLANDS REGION
25	06	05	16.8*	5.296	S	146.260	E	150	G	3.8	1.1	11	EASTERN NEW GUINEA REG., P.N.G.
25	06	33	04.9*	3.260	S	134.591	E	33	N	4.4	0.9	11	IRIAN JAYA REGION, INDONESIA
25	07	42	59.6*	5.380	S	150.908	E	33	N	4.3	1.0	11	NEW BRITAIN REGION, P.N.G.
25	08	43	12.3%	42.987	N	0.385	W	5	G		1.5	5	PYRENEES. ML 2.3 (LDG).
25	08	49	02.3*	42.876	N	12.909	E	10	G		0.9	15	CENTRAL ITALY. MD 3.5 (ROM). ML 3.2 (LDG). Felt (V) in the epicentral area.
25	08	54	49.3&	39.602	N	122.065	W	13				49	NORTHERN CALIFORNIA. <GM-P>. Mw 3.8 (BRK). MD 3.8 (GM). ML 3.9 (GS), 3.9 (BRK). Felt in the Willows area. Scalar Moment (BRK): Mo=5.6*10**14 Nm.
25	08	57	51.9	41.069	S	174.791	E	33	N		0.2	10	COOK STRAIT, NEW ZEALAND. ML 3.6 (WEL). Felt at Whitby on the North Island.
25	09	55	00.2	22.665	N	45.191	W	10	G	5.5 4.9	0.9	244	NORTHERN MID-ATLANTIC RIDGE. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:55:02.6; Lat 22.09 N; Lon 45.16 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.62, Plg=21, Azm=91; (N) Val=0.05, Plg=20, Azm=354; (P) Val=-9.67, Plg=61, Azm=224; Best double couple: Mo=9.6*10**16 Nm; NP1: Strike=212, Dip=30, Slip=-47; NP2: Strike=345, Dip=68, Slip=-111.
25	10	22	04.4	36.647	N	4.693	W	50	G		0.9	22	STRAIT OF GIBRALTAR
25	10	50	12.9	51.618	N	173.178	W	33	N	4.4	1.3	55	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
25	11	41	01.1*	18.463	N	46.268	W	10	G	4.7	0.9	10	NORTHERN MID-ATLANTIC RIDGE
25	11	49	05.0?	36.53	N	71.14	E	211	*		0.3	6	AFGHANISTAN-TAJIKISTAN BORD REG.
25	12	19	47.0*	21.779	S	176.786	W	200	G	4.5	0.9	28	FIJI ISLANDS REGION
25	12	20	31.4	46.025	N	3.023	E	5	G		0.5	12	FRANCE. ML 2.3 (STR), 2.2 (LDG).
25	13	14	30.3*	31.610	N	141.503	E	33	N	4.0	0.7	12	SOUTH OF HONSHU, JAPAN
25	13	35	17.2%	17.935	N	102.714	W	33	N		0.5	7	NEAR COAST OF MICHOACAN, MEXICO
25	16	18	06.2*	10.673	S	120.544	E	33	N	3.8	1.4	7	SUMBA REGION, INDONESIA
25	17	33	43.9%	44.472	N	7.300	E	10	G		0.3	8	NORTHERN ITALY. ML 1.8 (GEN).
25	17	58	56.5%	37.676	N	2.219	W	10	G		1.0	23	SPAIN. mbLg 3.3 (MDD).
25	18	33	36.4*	10.582	S	112.833	E	63	*	4.0	1.2	20	SOUTH OF JAWA, INDONESIA
25	18	40	17.7	10.948	N	92.524	E	33	N	4.8	0.9	50	ANDAMAN ISLANDS, INDIA
25	19	06	31.6*	2.443	S	102.350	E	200	G	3.9	1.1	19	SOUTHERN SUMATERA, INDONESIA
25	19	14	58.4*	41.988	N	142.579	E	100	G		1.0	9	HOKKAIDO, JAPAN REGION
25	19	17	00.2*	8.006	S	106.583	E	33	N		0.5	5	SOUTH OF JAWA, INDONESIA
25	19	26	58.6*	20.605	S	178.268	W	600	G	4.4	0.9	43	FIJI ISLANDS REGION
25	19	48	55.4	42.479	N	13.192	E	10	G		1.4	48	CENTRAL ITALY. ML 3.5 (VIE), 3.2 (LDG).
25	19	57	07.5	42.482	N	13.327	E	10	G		1.2	25	CENTRAL ITALY. ML 3.2 (LDG).
25	20	02	35.2?	42.72	N	12.99	E	10	G		1.4	13	CENTRAL ITALY. ML 3.0 (LDG).
25	20	18	38.6?	17.59	S	178.53	W	600	G	4.3	1.4	15	FIJI ISLANDS REGION
25	20	52	13.0*	20.788	S	169.669	E	82	D	4.3	1.4	34	VANUATU ISLANDS
25	20	55	30.0	16.552	S	75.209	W	37	D	4.6	0.9	38	OFF COAST OF PERU
25	20	59	01.3*	32.096	S	71.456	W	46	D	4.5	1.2	26	NEAR COAST OF CENTRAL CHILE. Felt (IV) on Isla Cachagua. Also felt (IV) at Canela, Illapel, Los Vilos and Salamanca; (III) at Papudo, Quintero, Vina del Mar and Zapallar; (II) at Monte Patria and Quilpue.
25	23	01	05.3	43.761	N	147.294	E	33	N	4.8	0.9	64	KURIL ISLANDS
26	00	32	30.6&	61.017	N	147.283	W	21				44	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC), 3.4 (PMR).
26	00	55	22.9*	23.929	N	93.502	E	70	*	4.8	0.6	14	MYANMAR-INDIA BORDER REGION

26	01	35	38.2	26.331	S	70.153	W	58	D	5.1	1.0	107	NEAR COAST OF NORTHERN CHILE. Mw 5.3 (HRV). Felt (VI) at Inca de Oro; (V) at Caldera, Copiapo, El Salvador, Paipote and Potrerillos; (IV) at Chanaral and Taltal. Centroid, Moment Tensor (HRV): Centroid origin time 01:35:46.4; Lat 26.47 S; Lon 70.50 W; Dep 65.9; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.67, Plg=1, Azm=17; (N) Val=0.35, Plg=38, Azm=287; (P) Val=-1.03, Plg=52, Azm=108; Best double couple: Mo=8.5*10**16 Nm; NP1: Strike=139, Dip=56, Slip=-42; NP2: Strike=255, Dip=57, Slip=-138.
26	01	37	03.9	44.671	N	7.225	E	10	G		0.4	25	NORTHERN ITALY. ML 2.2 (GEN), 1.7 (LDG).
26	03	35	50.7*	41.198	N	107.409	E	33	N		0.9	9	WESTERN NEI MONGOL, CHINA
26	03	42	39.6&	37.089	N	2.745	W	5	G		0.4	9	SPAIN. mbLg 2.6 (MDD).
26	04	02	40.9&	34.255	N	118.706	W	14				29	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt at Simi Valley.
26	05	41	20.2&	7.713	S	107.291	E	33	N		1.4	6	JAWA, INDONESIA
26	05	43	49.7	23.862	S	66.549	W	215		4.5	1.0	54	JUJUY PROVINCE, ARGENTINA
26	06	14	08.5&	61.149	N	151.316	W	64				29	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
26	06	46	45.2&	37.637	N	118.923	W	9				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM).
26	06	56	46.6&	37.635	N	118.925	W	8				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
26	07	10	45.0*	3.349	S	139.959	E	33	N		1.0	9	IRIAN JAYA, INDONESIA
26	08	08	00.3&	27.451	N	126.705	E	33	N		0.3	5	NORTHWEST OF RYUKYU ISLANDS
26	08	43	30.7	7.145	N	127.439	E	33	N	5.6 5.1	0.9	163	PHILIPPINE ISLANDS REGION. Mw 5.6 (GS), 5.6 (HRV). Moment Tensor (GS): Dep 4; Principal axes (scale 10**17 Nm): (T) Val=2.39, Plg=29, Azm=275; (N) Val=0.32, Plg=9, Azm=10; (P) Val=-2.72, Plg=60, Azm=116; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=342, Dip=18, Slip=-120; NP2: Strike=193, Dip=74, Slip=-81. Centroid, Moment Tensor (HRV): Centroid origin time 08:43:34.6; Lat 7.10 N; Lon 127.82 E; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.84, Plg=11, Azm=276; (N) Val=-0.22, Plg=5, Azm=7; (P) Val=-2.62, Plg=78, Azm=119; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=359, Dip=34, Slip=-99; NP2: Strike=190, Dip=56, Slip=-84. Scalar Moment (PPT): Mo=6.7*10**17 Nm.
26	09	12	36.5&	38.274	N	118.382	W	5				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
26	09	13	37.0	46.526	N	6.260	E	5	G		1.0	11	SWITZERLAND. ML 1.8 (LDG).
26	09	28	17.0	46.289	N	14.383	E	10	G		1.0	51	NORTHWESTERN BALKAN REGION. ML 3.5 (VIE), 3.3 (FUR), 3.3 (LJU). Felt (IV) at Domzale, Kranj, Naklo and Trzin; (III) at Ljubljana, Slovenia. Also felt (IV) at Zell Pfarre, Austria.
26	10	26	51.9?	16.06	N	99.27	W	33	N	4.0	1.3	15	NEAR COAST OF GUERRERO, MEXICO
26	10	44	08.0&	41.002	N	125.172	W	5		5.1 4.8		212	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. Mw 5.4 (HRV), 5.2 (BRK). MD 5.2 (GM). ML 5.2 (BRK). Felt at Arcata, Big Lagoon, Eureka, Ferndale, Fields Landing, Fortuna, Jedediah Smith Redwoods State Park, McKinleyville and Petrolia. Centroid, Moment Tensor (HRV): Centroid origin time 10:44:11.2; Lat 41.10 N; Lon 125.21 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.42, Plg=29, Azm=280; (N) Val=-0.23, Plg=61, Azm=89; (P) Val=-1.20, Plg=5, Azm=187; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=320, Dip=66, Slip=162; NP2: Strike=57, Dip=74, Slip=25. Moment Tensor (BRK): Dep 18; Principal axes (scale 10**17 Nm): (T) Val=1.00, Plg=12, Azm=99; (N) Val=0.00, Plg=77, Azm=262; (P) Val=-1.00, Plg=4, Azm=8; Best double couple: Mo=7.1*10**16 Nm; NP1: Strike=234, Dip=84, Slip=11; NP2: Strike=143, Dip=79, Slip=174.
26	11	11	35.1*	19.559	S	168.059	E	33	N	4.3	1.3	17	VANUATU ISLANDS
26	11	47	55.9*	46.054	N	6.768	E	5	G		0.9	6	SWITZERLAND. ML 2.0 (LDG).
26	12	01	58.5	44.169	N	82.823	E	20	D	4.3	0.9	25	NORTHERN XINJIANG, CHINA
26	12	52	24.1*	8.430	S	109.123	E	100	G		1.3	9	JAWA, INDONESIA
26	12	57	55.6?	8.66	S	108.92	E	33	N		0.5	7	JAWA, INDONESIA
26	13	36	02.9&	19.304	N	155.351	W	31				19	HAWAII. <HVO-P>. MD 4.2 (HVO). Felt in many parts of the Island of Hawaii including Fern Forest, Glenwood, Hilo, Holualoa, Honokaa, Kurtistown, Mauna Loa Estates, Orchidland Estates and Paauilo.
26	13	45	15.3*	49.272	N	6.635	E	10	G		1.2	8	GERMANY. ML 2.2 (LDG), 1.7 (UCC).
26	13	55	33.1*	54.121	S	132.967	W	10	G	5.1 5.5	1.5	47	PACIFIC-ANTARCTIC RIDGE. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:55:47.0; Lat 54.28 S; Lon 132.79 W; Dep 15.0 Fix; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=4.74, Plg=1, Azm=153; (N) Val=0.17, Plg=88, Azm=42; (P) Val=-4.91, Plg=2, Azm=243; Best double couple: Mo=4.8*10**17 Nm; NP1: Strike=288, Dip=88, Slip=-1; NP2: Strike=18, Dip=89, Slip=-178.
26	14	04	55.0?	34.60	N	23.77	E	33	N		1.1	9	CRETE
26	14	17	32.6&	60.929	N	147.114	W	29				30	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
26	15	03	28.5&	44.117	N	7.138	E	10	G		0.3	6	NORTHERN ITALY. ML 1.7 (GEN).
26	15	15	07.7&	45.828	N	26.803	E	100	G		0.2	6	ROMANIA
26	15	15	10.3	8.372	S	119.542	E	194		4.1	1.3	17	FLORES REGION, INDONESIA
26	15	33	32.7?	54.13	S	133.15	W	10	G	4.6	1.4	11	PACIFIC-ANTARCTIC RIDGE
26	15	35	18.8?	44.63	N	9.55	E	5	G		0.4	10	NORTHERN ITALY. ML 2.0 (GEN).
26	16	06	33.9	6.769	S	129.559	E	152	*	5.0	1.0	38	BANDA SEA
26	16	32	26.6*	15.111	S	70.137	W	200	G		1.6	10	SOUTHERN PERU
26	16	39	30.3?	3.96	S	146.06	E	33	N		0.5	5	BISMARCK SEA
26	17	19	39.0	46.438	N	14.619	E	10	G		1.3	12	NORTHWESTERN BALKAN REGION. ML 2.6 (LJU), 2.5 (VIE).
26	18	09	16.9*	6.976	N	72.770	W	150	G	4.1	0.6	10	NORTHERN COLOMBIA
26	18	12	43.1?	43.67	N	16.59	E	10	G		0.9	11	NORTHWESTERN BALKAN REGION. ML 3.0 (LDG). Felt at Neoric and Sinj, Croatia.
26	18	14	13.8*	55.369	S	129.475	W	10	G	4.9 5.1	1.1	42	PACIFIC-ANTARCTIC RIDGE. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time

18:14:21.5; Lat 55.18 S; Lon 129.74 W; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=4.52, Plg=5, Azm=332; (N) Val=-0.60, Plg=76, Azm=83; (P) Val=-3.92, Plg=13, Azm=241; Best double couple: Mo=4.2*10**17 Nm; NP1: Strike=17, Dip=77, Slip=-174; NP2: Strike=286, Dip=85, Slip=-13.

26 18 36 48.6 54.879 N 166.308 E 23 D 4.4 0.9 37 KOMANDORSKY ISLANDS REGION

26 19 06 44.4 39.296 N 140.461 E 134 5.2 0.8 287 EASTERN HONSHU, JAPAN. Mw 5.6 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 19:06:46.4; Lat 39.27 N Fix; Lon 140.50 E Fix; Dep 126.3; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.18, Plg=60, Azm=83; (N) Val=0.89, Plg=30, Azm=265; (P) Val=-3.07, Plg=1, Azm=175; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=238, Dip=51, Slip=50; NP2: Strike=111, Dip=53, Slip=129.

26 19 41 27.3* 5.385 N 127.814 E 33 N 4.6 1.1 14 PHILIPPINE ISLANDS REGION

26 19 45 22.6? 16.35 S 179.04 W 500 G 0.8 11 FIJI ISLANDS REGION

26 21 07 37.8* 3.232 S 137.362 E 33 N 4.0 1.1 9 IRIAN JAYA, INDONESIA

26 22 10 11.1 21.280 S 174.337 W 33 N 4.9 4.6 0.8 59 TONGA ISLANDS

26 22 20 55.5? 7.13 S 106.84 E 33 N 0.1 4 JAWA, INDONESIA

26 22 34 23.0& 59.872 N 152.379 W 77 20 SOUTHERN ALASKA. <AEIC>.

26 22 35 29.2& 37.636 N 118.922 W 8 9 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).

26 23 24 25.7* 35.633 N 22.504 E 33 N 3.9 0.6 12 CENTRAL MEDITERRANEAN SEA

26 23 27 12.0& 31.100 N 87.300 W 10 G 14 ALABAMA. <SPEC>. mbLg 3.7 (GS). Felt at Atmore, Flomaton and Huxford. Held to mainshock location.

26 23 30 06.5? 17.58 S 178.65 W 600 G 4.3 0.4 10 FIJI ISLANDS REGION

27 00 10 56.8? 19.14 N 67.85 W 33 N 0.4 8 MONA PASSAGE. MD 3.8 (MPR).

27 00 12 00.6? 5.93 S 119.09 E 150 G 3.9 1.0 9 SULAWESI, INDONESIA

27 00 55 18.6* 54.267 S 133.369 W 10 G 4.7 5.1 1.1 20 PACIFIC-ANTARCTIC RIDGE. Mw 5.3 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 00:55:28.5; Lat 54.07 S; Lon 133.27 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=0.85, Plg=11, Azm=326; (N) Val=0.33, Plg=69, Azm=206; (P) Val=-1.18, Plg=18, Azm=60; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=102, Dip=69, Slip=-5; NP2: Strike=194, Dip=85, Slip=-159.

27 01 21 41.8? 22.59 N 143.13 E 33 N 1.0 9 VOLCANO ISLANDS REGION

27 01 29 33.7* 37.495 N 20.680 E 33 N 3.6 1.3 14 IONIAN SEA

27 03 51 32.2& 57.539 N 152.694 W 40 4.1 61 KODIAK ISLAND REGION. <AEIC>. ML 3.8 (AEIC), 3.9 (PMR). Felt (IV) at Kodiak.

27 04 19 16.0* 9.706 S 124.735 E 150 G 4.4 1.1 12 TIMOR REGION, INDONESIA

27 04 21 12.9& 60.430 N 151.465 W 47 95 KENAI PENINSULA, ALASKA. <AEIC>. ML 3.3 (AEIC), 3.4 (PMR).

27 04 22 41.2* 38.158 N 22.233 E 33 N 3.8 0.8 14 GREECE

27 04 40 52.5& 46.356 N 14.437 E 10 G 0.3 5 NORTHWESTERN BALKAN REGION. ML 1.7 (LDG).

27 04 53 06.6* 31.010 S 71.303 W 67 D 1.1 15 NEAR COAST OF CENTRAL CHILE

27 05 09 00.3? 23.30 N 108.64 W 10 G 3.7 0.9 6 GULF OF CALIFORNIA

27 05 17 36.4& 45.012 N 5.720 E 5 G 1.2 8 FRANCE. ML 1.4 (LDG).

27 06 44 18.1* 15.270 S 73.392 W 108 D 4.3 0.9 19 SOUTHERN PERU

27 07 40 45.9* 0.293 N 16.813 W 10 G 4.4 1.2 13 NORTH OF ASCENSION ISLAND

27 07 46 02.7* 0.127 S 16.656 W 10 G 4.8 1.4 16 NORTH OF ASCENSION ISLAND

27 07 50 27.5* 30.945 N 49.705 E 33 N 4.4 1.1 19 WESTERN IRAN

27 08 21 13.0* 23.152 S 66.700 W 200 G 1.2 12 JUJUY PROVINCE, ARGENTINA

27 09 32 59.5 30.759 S 178.451 W 33 N 5.5 5.4 1.0 246 KERMADEC ISLANDS, NEW ZEALAND. Mw 5.9 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 09:33:07.3; Lat 30.81 S; Lon 178.04 W; Dep 45.7; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=7.22, Plg=71, Azm=298; (N) Val=1.34, Plg=4, Azm=195; (P) Val=-8.56, Plg=18, Azm=104; Best double couple: Mo=7.9*10**17 Nm; NP1: Strike=187, Dip=27, Slip=81; NP2: Strike=18, Dip=63, Slip=95.
Scalar Moment (PPT): Mo=7.9*10**17 Nm.

27 10 10 13.9? 5.86 N 125.85 E 135 * 3.9 1.3 13 MINDANAO, PHILIPPINE ISLANDS

27 11 35 40.5* 20.359 S 176.285 W 150 G 4.2 0.6 16 FIJI ISLANDS REGION

27 12 57 14.0& 63.464 N 150.776 W 70 72 CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.6 (PMR).

27 14 27 02.9? 1.05 S 136.92 E 33 N 3.8 0.8 7 IRIAN JAYA REGION, INDONESIA

27 14 30 50.6& 37.726 N 122.547 W 10 24 CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.1 (GS), 3.0 (BRK). Felt at Daly City, Noe Valley, Pacific Heights, San Bruno and the San Francisco Zoo.

27 15 20 33.0? 42.98 N 0.13 E 5 G 0.1 4 PYRENEES. ML 2.0 (LDG).

27 15 44 57.2 52.892 N 171.798 W 141 D 4.7 0.9 171 FOX ISLANDS, ALEUTIAN ISLANDS

27 16 41 15.0& 33.176 N 116.039 W 11 19 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). MD 3.3 (ECX).

27 17 30 20.3 19.161 S 169.348 E 250 G 4.6 0.9 73 VANUATU ISLANDS

27 17 43 21.5? 18.42 N 66.25 W 100 G 0.2 5 PUERTO RICO REGION. MD 3.0 (MPR).

27 18 27 11.9 7.558 S 119.295 E 286 4.1 1.3 34 FLORES SEA

27 19 37 19.0* 5.781 S 147.343 E 33 N 4.2 0.9 15 EASTERN NEW GUINEA REG., P.N.G.

27 20 11 20.3? 8.81 S 117.69 E 33 N 1.6 5 SUMBAWA REGION, INDONESIA

27 21 32 27.2* 6.050 S 129.247 E 256 ? 4.0 0.8 7 BANDA SEA

27 21 54 00.8 11.596 S 116.759 E 33 N 3.8 1.4 12 SOUTH OF SUMBAWA, INDONESIA

27 22 28 35.3 6.483 S 129.937 E 153 5.3 1.0 101 BANDA SEA

27 22 35 01.5 51.399 N 176.368 W 33 N 4.5 0.9 28 ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR). Felt (III) on Adak.

27 22 55 37.2? 56.13 N 120.15 E 10 G 0.6 5 SOUTHEASTERN SIBERIA, RUSSIA

28 00 15 13.5 44.678 N 7.236 E 10 G 0.5 22 NORTHERN ITALY. ML 2.4 (GEN), 2.2 (LDG).

28 00 23 47.7 42.969 N 12.699 E 10 G 1.1 72 CENTRAL ITALY. ML 3.9 (VIE), 3.4 (LDG). MD 3.7 (ROM). Felt (V) in the epicentral area.

28 00 43 05.5& 37.088 N 3.601 W 10 G 0.4 13 SPAIN. mbLg 2.7 (MDD). Felt at Cajar, Gojar and Ogijares.

28 01 04 46.4* 26.101 N 55.030 E 33 N 4.1 0.7 8 SOUTHERN IRAN

28 01 24 28.0* 23.048 S 174.890 W 33 N 4.6 1.1 22 TONGA ISLANDS REGION

28 04 06 57.9& 35.449 N 118.432 W 7 34 CENTRAL CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt in the epicentral area.

28 04 08 05.1 43.107 N 12.602 E 10 G 1.3 31 CENTRAL ITALY. ML 3.6 (VIE), 3.1 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.

28 04 44 01.6? 21.93 N 143.63 E 200 G 3.4 0.7 8 MARIANA ISLANDS REGION

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28  04 51 45.7? 19.22  N  145.74  E  150 G          1.1    9  MARIANA ISLANDS
28  04 54 15.1? 34.76  S  179.49  W   33 N  3.6     1.3    7  SOUTH OF KERMADEC ISLANDS
28  06 15 17.3   4.368 S   76.681 W  112 G  6.6 6.3  0.9  537  NORTHERN PERU. Mw 7.2 (HRV), 7.1 (GS). Me 6.7 (GS). mb 6.8
                                                               (BRK). Slight damage at Chachapoyas.
                                                              Broadband Source Parameters (GS): Dep 112; NP1: Strike=355,
                                                               Dip=50, Slip=-90; NP2: Strike=175, Dip=40, Slip=-90;
                                                               Radiated energy 2.9*10**14 Nm. Two events about 6.5 seconds
                                                               apart. Depth based on first event.
                                                              Moment Tensor (GS): Dep 115; Principal axes (scale 10**19
                                                               Nm): (T) Val=5.82, Plg=9, Azm=245; (N) Val=-1.74, Plg=6,
                                                               Azm=154; (P) Val=-4.08, Plg=79, Azm=31; Best double couple:
                                                               Mo=5.0*10**19 Nm; NP1: Strike=343, Dip=36, Slip=-80; NP2:
                                                               Strike=150, Dip=54, Slip=-98.
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               06:15:28.4; Lat 4.44 S; Lon 76.55 W; Dep 118.9; Half-
                                                               duration 9.8 sec; Principal axes (scale 10**19 Nm): (T)
                                                               Val=7.46, Plg=7, Azm=248; (N) Val=-0.44, Plg=1, Azm=158;
                                                               (P) Val=-7.01, Plg=83, Azm=61; Best double couple:
                                                               Mo=7.2*10**19 Nm; NP1: Strike=339, Dip=38, Slip=-89; NP2:
                                                               Strike=158, Dip=52, Slip=-91.
                                                              Scalar Moment (PPT): Mo=6.0*10**19 Nm.
28  07 06 46.5  42.508 N  143.764 E   94 D  4.4      0.9   38  HOKKAIDO, JAPAN  REGION
28  07 41 55.0* 42.490 N   13.370 E   10 G          1.4   18  CENTRAL ITALY. ML 3.5 (VIE), 3.4 (LDG). MD 3.3 (ROM). Felt
                                                               (IV) in the epicentral area.
28  08 16 37.2& 23.809 S   67.110 W  236 *          1.0    8  CHILE-ARGENTINA BORDER REGION
28  08 18 49.1  39.820 N   23.920 E   10 G  3.8      1.0   35  AEGEAN SEA. MD 4.1 (ISK).
28  09 00 11.0& 31.100 N   87.300 W   10 G                3  ALABAMA. <SPEC>. mbLg 3.0 (GS). Held to mainshock location.
28  09 04 39.1   6.358 S  130.728 E   64 *  4.4      1.1   17  BANDA SEA
28  09 59 46.9* 37.139 S   94.690 W   10 G  4.8      0.9   25  WEST CHILE RISE
28  10 36 46.5  37.162 N   82.025 W    1 G          1.2   21  WEST VIRGINIA. mbLg 3.4 (GS). Probable coal bump. Felt.
28  10 41 35.3? 53.06  N  170.90  E   33 N          0.5    8  NEAR ISLANDS, ALEUTIAN ISLANDS
28  11 00 03.9? 38.06  S  178.83  E   10 G          0.3    9  OFF E. COAST OF N. ISLAND, N.Z. ML 4.2 (WEL).
28  11 05 07.8& 37.628 N  118.857 W    5                    44  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.6
                                                               (BRK), 3.6 (GS).
28  11 06 46.0  41.899 N  141.531 E  100 G  3.8      1.1   25  HOKKAIDO, JAPAN  REGION
28  11 11 17.5? 30.84  S   69.32  W   33 N          1.3    7  CHILE-ARGENTINA BORDER REGION
28  11 34 13.0& 6.909  N  126.511 E  200 G          1.2   11  MINDANAO, PHILIPPINE ISLANDS
28  11 41 50.9* 30.207 N  102.361 E   33 N          0.8   10  SICHUAN, CHINA
28  11 44 18.0& 47.670 N   69.910 W   12    4.8            31  GASPE PENINSULA, CANADA. <OTT-P>. mbLg 4.7 (OTT). Felt at
                                                               Charlevoix and Riviere-du-Loup and in the Quebec City, Lac
                                                               St-Jean and Saguenay areas.
28  13 27 51.0   8.673 S  124.073 E   33 N  4.7      1.3   43  TIMOR REGION, INDONESIA
28  14 30 54.0  46.237 N   12.573 E   10 G          1.0   18  NORTHERN ITALY. ML 3.2 (VIE), 3.1 (FUR).
28  15 14 24.6& 44.762 N    6.765 E   10 G          0.3    6  FRANCE
28  15 25 46.9? 43.96  N  147.76  E  100 G          0.8    6  KURIL ISLANDS
28  15 51 19.5& 67.141 N  173.301 W   33 N          1.4   12  NEAR N. COAST OF EASTERN SIBERIA
28  15 57 53.9& 37.226 N    3.748 W   10 G          0.5    6  SPAIN. mbLg 2.7 (MDD).
28  17 15 13.8? 13.08  N  144.62  E   33 N  4.0      0.6    7  MARIANA ISLANDS
28  18 03 00.6* 41.568 N  141.787 E  103 ?          0.9   11  HOKKAIDO, JAPAN  REGION
28  18 56 19.3& 62.602 N  148.674 W   48                   61  CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PMR).
28  19 23 08.6* 29.323 N  141.214 E   33 N  4.0      1.1   10  SOUTH OF HONSHU, JAPAN
28  19 25 29.2*  1.320 N  101.373 W   10 G  4.7 4.1  1.1   41  EAST CENTRAL PACIFIC OCEAN
28  19 43 20.4& 37.647 N  118.875 W    5                    9  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
28  20 51 07.9   6.333 N  126.692 E  141    5.1      0.9   38  MINDANAO, PHILIPPINE ISLANDS
28  21 56 59.5*  6.586 S  146.561 E  122 *  3.9      1.1   13  EASTERN NEW GUINEA REG., P.N.G.
28  22 33 12.1*  6.009 S  147.378 E  104 *  4.2      1.2   14  EASTERN NEW GUINEA REG., P.N.G.
28  22 43 22.5* 18.377 N  103.409 W   33 N  4.0      1.2   19  NEAR COAST OF MICHOACAN, MEXICO
28  23 30 04.9& 37.647 N  118.875 W    5                    9  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
29  00 20 24.7& 37.187 N    3.746 W   10 G          0.3   10  SPAIN. mbLg 2.4 (MDD).
29  02 40 00.3  17.499 N   83.714 W   10 G  5.0 4.2  1.2  108  CARIBBEAN SEA
29  03 18 21.2? 44.30  N    7.18  E   10 G          0.2    4  NORTHERN ITALY. ML 1.5 (GEN).
29  04 08 17.7  41.997 N   23.487 E   10 G          0.9   13  GREECE-BULGARIA BORDER REGION
29  04 55 58.7   6.380 S  104.013 E   45 D  5.3 5.5  1.2  134  SUNDA STRAIT. Mw 5.6 (HRV), 5.5 (GS). Felt (II) in southern
                                                               Sumatera, Indonesia.
                                                              Moment Tensor (GS): Dep 31; Principal axes (scale 10**17
                                                               Nm): (T) Val=2.15, Plg=66, Azm=25; (N) Val=-0.05, Plg=12,
                                                               Azm=268; (P) Val=-2.11, Plg=21, Azm=174; Best double
                                                               couple: Mo=2.1*10**17 Nm; NP1: Strike=243, Dip=26, Slip=63;
                                                               NP2: Strike=93, Dip=67, Slip=103.
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               04:56:02.4; Lat 6.74 S; Lon 104.01 E; Dep 29.6; Half-
                                                               duration 1.6 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=2.81, Plg=67, Azm=6; (N) Val=0.51, Plg=7, Azm=113; (P)
                                                               Val=-3.31, Plg=22, Azm=206; Best double couple:
                                                               Mo=3.1*10**17 Nm; NP1: Strike=309, Dip=24, Slip=108; NP2:
                                                               Strike=110, Dip=67, Slip=82.
29  05 28 17.0& 60.060 N  152.853 W   95                   55  SOUTHERN ALASKA. <AEIC>.
29  05 29 39.7* 16.229 S  177.998 E   33 N  4.6      0.8   13  FIJI ISLANDS
29  05 34 39.4? 10.87  S  162.09  E   33 N  4.3      1.5   11  SOLOMON ISLANDS
29  05 53 27.8   1.351 N  101.174 W   10 G  5.0      0.8   66  EAST CENTRAL PACIFIC OCEAN
29  06 15 21.4* 21.537 S  176.686 W  150 G  4.7      1.1   30  FIJI ISLANDS REGION
29  06 17 26.8*  1.363 N  101.488 W   10 G  4.5      0.8   19  EAST CENTRAL PACIFIC OCEAN
29  06 45 05.4& 63.592 N  149.834 W   10                   60  CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.1 (PMR).
29  07 12 53.2? 45.56  N   12.86  E   10 G          0.3    6  NORTHERN ITALY. ML 2.6 (VIE).
29  07 35 05.7  42.893 N   12.980 E   10 G          1.1   24  CENTRAL ITALY. ML 3.4 (LDG). MD 3.3 (ROM). Felt (IV) in the
                                                               epicentral area.
29  08 07 19.0? 19.05  S  177.78  W  500 G  4.3      1.0   13  FIJI ISLANDS REGION
29  08 16 32.0? 19.08  S  177.65  W  500 G  4.0      0.9   10  FIJI ISLANDS REGION
29  08 37 56.8  18.720 S   69.120 W  132 D  4.8      1.0   69  NORTHERN CHILE
29  08 51 00.8& 43.352 N    0.542 W    5 G          1.2    5  PYRENEES. ML 2.4 (LDG).
29  09 15 19.3? 19.66  S  178.00  W  500 G  4.0      0.9   12  FIJI ISLANDS REGION
29  09 41 27.8& 63.364 N  149.774 W  103                   62  CENTRAL ALASKA. <AEIC>.
29  10 00 25.9& 37.571 N  118.413 W   12                   48  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.7 (BRK). MD
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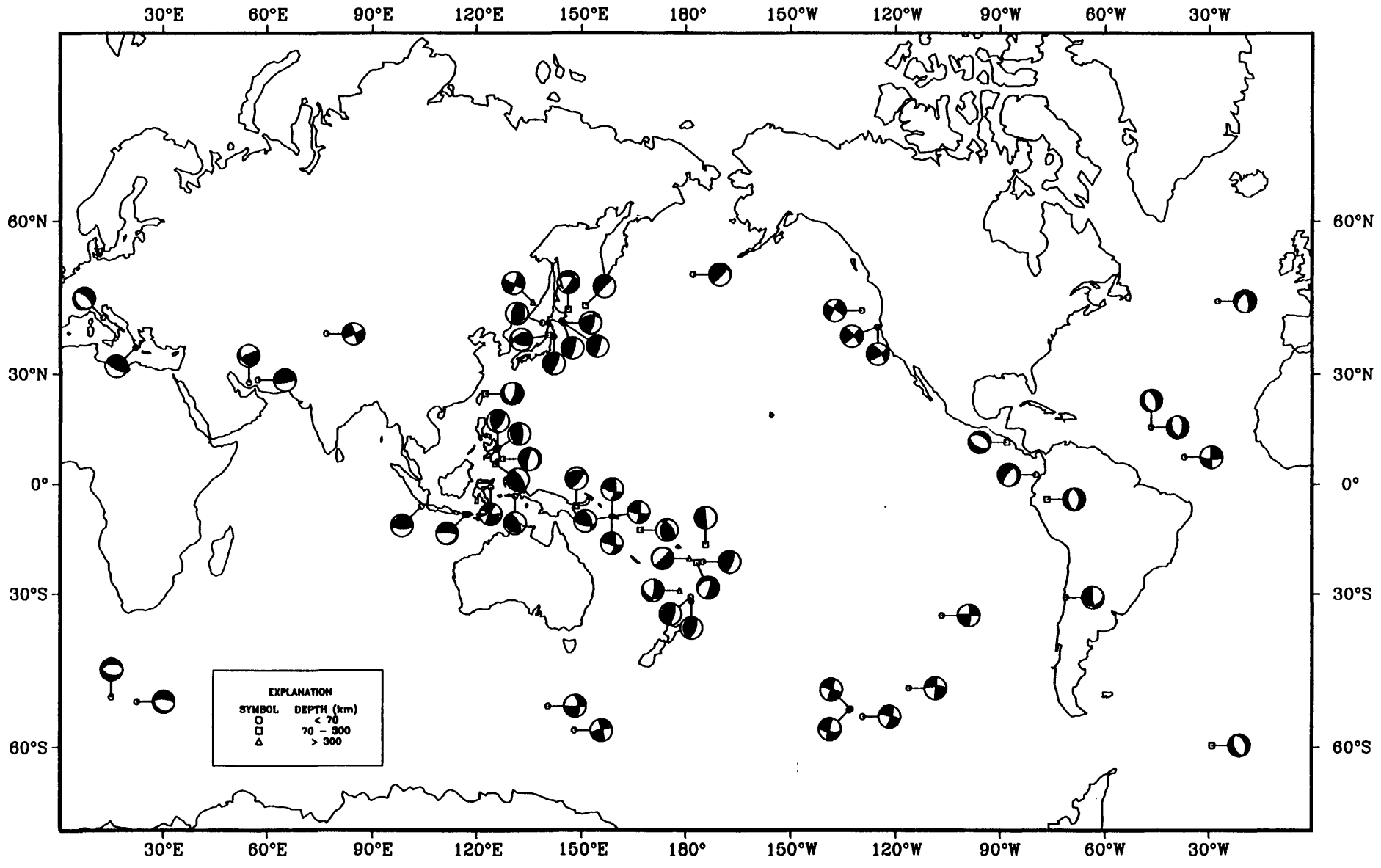
													4.0 (GM). ML 3.8 (BRK), 3.9 (GS). Felt in the epicentral area. Moment Tensor (BRK): Dep 11; Principal axes (scale 10**14 Nm): (T) Val=3.97, Plg=11, Azm=271; (N) Val=0.00, Plg=1, Azm=1; (P) Val=-3.97, Plg=79, Azm=94; Best double couple: Mo=4.0*10**14 Nm; NP1: Strike=181, Dip=56, Slip=-89; NP2: Strike=360, Dip=34, Slip=-91.
29	10	18	05.0*	34.121	N	139.075	E	33	N			0.6	6 NEAR S. COAST OF HONSHU, JAPAN
29	11	51	52.4?	43.56	S	92.46	E	10	G			0.2	5 SOUTHEAST INDIAN RIDGE
29	12	05	32.1?	16.45	S	168.34	E	33	N	4.6		0.9	14 VANUATU ISLANDS
29	12	07	59.6*	1.006	S	131.733	E	33	N	4.1		1.5	8 IRIAN JAYA REGION, INDONESIA
29	12	13	58.9*	9.735	N	126.265	E	100	G	4.4		1.1	25 MINDANAO, PHILIPPINE ISLANDS
29	12	20	53.8	44.473	N	7.309	E	10	G			0.7	34 NORTHERN ITALY. ML 2.8 (GEN), 2.7 (LDG), 2.5 (STR).
29	13	22	23.3	17.415	S	179.057	W	541	D	5.3		1.0	73 FIJI ISLANDS REGION
29	16	06	41.3*	45.151	N	147.227	E	201	D	4.8		1.4	23 KURIL ISLANDS
29	16	16	13.7&	45.208	N	6.631	E	5	G			0.1	5 FRANCE. ML 1.6 (LDG).
29	19	17	26.3&	45.390	N	6.066	E	5	G			0.3	6 FRANCE. ML 2.1 (LDG).
29	19	24	07.9&	47.004	N	6.180	E	5	G			0.9	7 FRANCE. ML 2.3 (LDG).
29	19	54	09.9	7.311	S	148.001	E	56	D	4.8		1.0	46 EASTERN NEW GUINEA REG., P.N.G.
29	20	22	57.9?	17.63	S	168.49	E	33	N	4.2		1.3	9 VANUATU ISLANDS
29	20	33	47.2?	2.17	N	98.92	E	10	G			0.3	4 NORTHERN SUMATERA, INDONESIA
29	21	07	26.1?	5.38	S	148.82	E	150	G	4.0		1.5	9 NEW BRITAIN REGION, P.N.G.
29	21	44	40.5?	2.18	N	98.93	E	10	G			0.2	4 NORTHERN SUMATERA, INDONESIA
29	22	42	13.5&	53.368	N	165.903	W	48					12 FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.1 (AEIC).
29	23	49	58.9?	16.66	S	174.87	W	150	G			0.8	11 TONGA ISLANDS
30	00	30	19.3?	21.72	S	176.76	W	200	G	4.0		0.7	15 FIJI ISLANDS REGION
30	01	49	22.8?	4.98	S	144.46	E	122	*	3.2		0.5	7 NEAR N COAST OF NEW GUINEA, PNG.
30	02	02	52.0	29.552	N	89.698	E	33	N	5.3		0.9	176 XIZANG
30	03	36	40.9&	37.855	N	118.203	W	2					20 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.3 (BRK), 3.2 (GS).
30	04	05	37.3*	38.720	N	43.508	E	33	N	4.4		1.4	32 TURKEY
30	04	08	54.9?	32.01	S	178.38	W	33	N	4.5		1.1	8 SOUTH OF KERMADEC ISLANDS
30	04	11	39.7?	16.62	S	177.82	E	33	N	4.6		1.4	17 FIJI ISLANDS
30	04	16	29.9&	37.636	N	118.945	W	10					8 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
30	05	04	44.9*	13.154	S	174.793	E	33	N	4.8		1.0	15 FIJI ISLANDS REGION
30	05	07	42.8	42.681	N	0.141	E	5	G			0.6	13 PYRENEES. ML 2.8 (LDG), 2.2 (STR). Felt (I) at Cauterets, France.
30	05	30	11.9&	38.936	N	27.775	E	10	G			0.7	8 TURKEY
30	06	10	31.5*	41.510	N	142.549	E	33	N			1.0	16 HOKKAIDO, JAPAN REGION
30	06	30	28.4	11.605	N	93.021	E	56	D	4.9		1.0	113 ANDAMAN ISLANDS, INDIA
30	06	31	13.6	52.936	S	22.375	E	10	G	4.8	4.7	1.0	37 SOUTH OF AFRICA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:31:17.1; Lat 53.13 S; Lon 23.11 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.17, Plg=22, Azm=13; (N) Val=0.31, Plg=10, Azm=279; (P) Val=-1.48, Plg=66, Azm=167; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=121, Dip=24, Slip=-66; NP2: Strike=275, Dip=68, Slip=-100.
30	06	34	50.7*	14.512	N	94.077	W	33	N	4.3		1.2	21 OFF COAST OF CHIAPAS, MEXICO
30	06	35	58.5&	37.845	N	118.231	W	1					23 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.4 (GM), 3.5 (BRK), 3.5 (GS).
30	06	42	22.7&	36.705	N	80.917	W	10					7 NORTH CAROLINA. <BLA-P>. MD 2.2 (BLA). Felt in the Galax-Fries-Ivanhoe area, Virginia.
30	07	05	20.5	30.832	S	71.329	W	50	G	4.7		1.2	36 NEAR COAST OF CENTRAL CHILE. Felt (V) at Ovalle, (IV) at Illapel, (III) at La Serena and (II) at Los Vilos.
30	07	11	54.3*	14.299	N	94.037	W	33	N	4.8		1.2	15 OFF COAST OF CHIAPAS, MEXICO
30	07	47	16.7*	41.047	N	72.379	E	33	N			1.3	11 KYRGYZSTAN
30	08	26	39.9	43.913	N	83.685	E	33	N	4.2		1.1	18 NORTHERN XINJIANG, CHINA
30	09	32	12.0*	12.099	N	144.123	E	33	N	3.5		1.2	14 SOUTH OF MARIANA ISLANDS
30	10	15	06.0&	37.637	N	118.941	W	9					9 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
30	11	13	07.0	16.113	S	175.207	W	300	G	4.3		0.7	37 TONGA ISLANDS
30	11	22	42.3?	15.04	N	92.65	W	33	N			1.1	7 MEXICO-GUATEMALA BORDER REGION
30	11	57	34.7&	57.662	N	155.802	W	94		3.9			104 ALASKA PENINSULA. <AEIC>.
30	12	07	34.1	47.811	N	8.004	E	5	G			0.5	18 SWITZERLAND. ML 2.3 (LDG), 2.0 (STR).
30	13	01	40.6*	31.983	S	179.945	W	400	G	4.0		0.7	13 KERMADEC ISLANDS REGION
30	13	26	51.7?	52.97	S	22.40	E	10	G			1.2	8 SOUTH OF AFRICA
30	13	31	31.4	52.687	N	159.510	E	33	N	4.5		0.7	32 OFF EAST COAST OF KAMCHATKA
30	13	44	08.2?	73.88	N	9.92	E	10	G			1.0	4 GREENLAND SEA
30	14	10	11.5?	37.93	N	2.29	W	10	G			0.3	4 SPAIN. mbLg 3.0 (MDD).
30	14	14	04.6*	21.229	S	68.345	W	134	*			0.9	17 CHILE-BOLIVIA BORDER REGION
30	14	33	34.3	42.886	N	0.302	E	5	G			0.7	7 PYRENEES. ML 2.3 (LDG), 2.1 (STR).
30	15	01	10.4?	44.75	N	7.18	E	5	G			0.0	4 NORTHERN ITALY. ML 1.4 (GEN).
30	15	28	47.0&	58.276	N	154.978	W	6					63 ALASKA PENINSULA. <AEIC>. ML 3.6 (AEIC), 3.9 (PMR).
30	15	59	40.4&	36.718	N	80.931	W	9					7 NORTH CAROLINA. <BLA-P>. MD 2.1 (BLA). Felt in the Galax-Fries-Ivanhoe area, Virginia.
30	16	27	57.5	0.938	N	119.572	E	33	N	4.7	4.9	1.2	25 MINAHASSA PENINSULA, SULAWESI
30	17	22	14.1*	37.832	S	73.099	W	33	N			1.1	8 NEAR COAST OF CENTRAL CHILE. Felt (IV) at Collipulli, Los Sauces and Puren; (III) at Angol and Renaico; (II) at Curacautin and Victoria.
30	17	34	17.5	34.915	N	35.148	E	15		4.2		1.2	44 JORDAN - SYRIA REGION
30	18	35	19.3?	7.12	S	117.30	E	591	*			0.7	10 BALI SEA
30	20	18	20.6	8.763	S	67.706	E	10	G	4.7		0.7	30 MID-INDIAN RIDGE
30	20	48	26.3	36.392	N	71.963	E	100	G	4.7		0.9	32 AFGHANISTAN-TAJIKISTAN BORD REG.
30	21	06	33.7?	37.15	N	72.67	E	100	G			0.3	8 TAJIKISTAN
30	21	11	08.5&	36.714	N	121.018	W	1					25 CENTRAL CALIFORNIA. <GM-P>. Mw 3.8 (BRK). MD 3.8 (GM). ML 3.9 (GS), 3.8 (BRK). Moment Tensor (BRK): Dep 5; Principal axes (scale 10**14 Nm): (T) Val=6.05, Plg=21, Azm=116; (N) Val=0.00, Plg=66, Azm=264; (P) Val=-6.05, Plg=11, Azm=21; Best double couple: Mo=6.1*10**14 Nm; NP1: Strike=250, Dip=84, Slip=23; NP2: Strike=157, Dip=67, Slip=173.
30	21	28	28.4&	36.710	N	121.044	W	1					10 CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 3.1 (GS).
30	21	59	32.8*	17.623	S	167.841	E	33	N	4.7		1.3	15 VANUATU ISLANDS

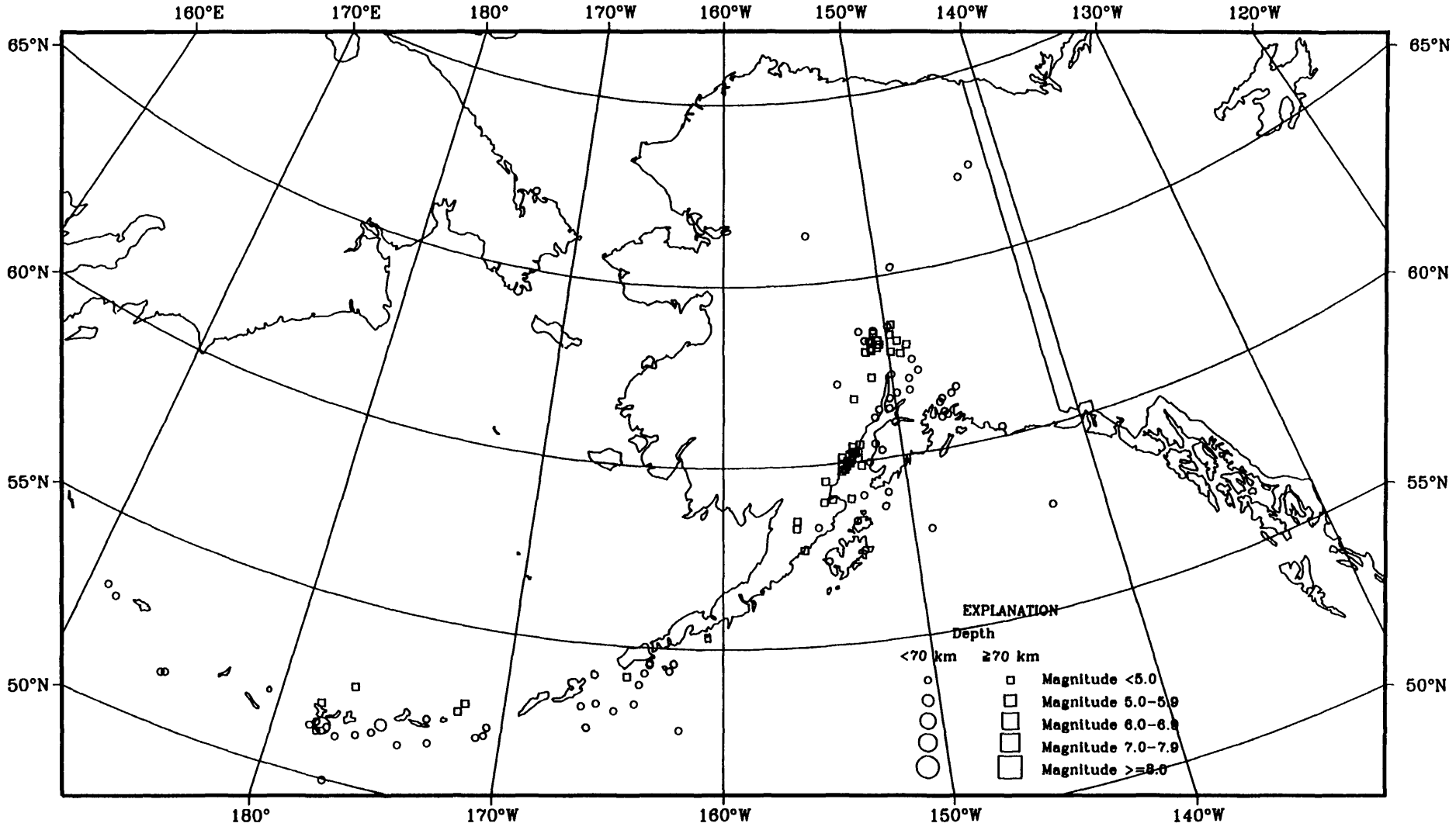
30	22	33	13.4&	36.713	N	121.166	W	8					13	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK), 3.1 (GS).
30	22	41	32.3&	59.810	N	153.317	W	116					13	SOUTHERN ALASKA. <AEIC>.
30	23	05	59.5	0.171	S	122.887	E	100	G	4.6		1.2	30	MINAHASSA PENINSULA, SULAWESI. Felt (III) at Luwuk.
30	23	09	43.3&	36.141	N	119.594	W	6	G				8	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.9 (GS).
30	23	36	38.3&	35.735	N	117.634	W	4					9	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
31	00	02	03.7*	17.971	N	120.006	E	33	N	4.4		1.2	12	LUZON, PHILIPPINE ISLANDS
31	04	23	42.4	44.278	N	6.475	E	10	G			1.0	167	FRANCE. ML 4.8 (STR), 4.7 (LDG), 4.2 (FUR), 4.1 (GEN).
31	04	25	43.8%	44.252	N	6.533	E	10	G			0.5	12	FRANCE. ML 2.1 (GEN).
31	04	34	52.0	44.272	N	6.564	E	10	G			0.5	37	FRANCE. ML 2.4 (GEN), 2.2 (LDG), 2.1 (STR).
31	04	37	49.7	44.254	N	6.568	E	10	G			0.8	25	FRANCE. ML 2.2 (STR), 2.1 (GEN), 1.7 (LDG).
31	05	31	09.7	44.260	N	6.574	E	10	G			0.5	35	FRANCE. ML 2.4 (GEN), 2.3 (LDG), 2.1 (STR).
31	05	40	34.4	44.264	N	6.565	E	10	G			0.5	25	FRANCE. ML 2.1 (GEN), 1.7 (LDG), 1.7 (STR).
31	05	50	14.7*	28.025	N	53.644	E	33	N	4.5	4.0	1.0	30	SOUTHERN IRAN
31	05	51	18.5*	53.040	S	22.231	E	10	G			1.2	21	SOUTH OF AFRICA
31	06	31	18.9	43.368	N	8.212	E	10	G			0.4	21	CORSICA. ML 2.5 (GEN), 2.2 (LDG), 2.2 (STR).
31	07	13	45.5	44.276	N	6.563	E	10	G			0.6	40	FRANCE. ML 2.5 (GEN), 2.5 (LDG), 2.3 (STR).
31	07	15	19.2	44.268	N	6.494	E	10	G			1.0	90	FRANCE. ML 3.6 (STR), 3.4 (LDG).
31	07	15	20.4*	38.801	S	175.146	E	100	G	4.6		1.2	12	NORTH ISLAND, NEW ZEALAND
31	08	00	43.9*	51.223	N	177.224	W	33	N	4.4		1.3	17	ANDREANOF ISLANDS, ALEUTIAN IS.
31	08	07	44.9	21.734	S	176.688	W	200	G	4.5		0.9	33	FIJI ISLANDS REGION
31	09	19	01.4%	44.274	N	6.499	E	10	G			0.4	10	FRANCE. ML 2.2 (GEN).
31	09	22	14.6?	18.20	N	67.23	W	33	N			0.3	6	MONA PASSAGE. MD 3.1 (MPR).
31	12	09	16.8	17.082	N	100.032	W	33	N			1.3	10	GUERRERO, MEXICO
31	12	29	49.8	13.115	S	166.920	E	183	D	5.4		1.0	230	VANUATU ISLANDS. Mw 5.9 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:29:56.0; Lat 13.14 S; Lon 166.71 E; Dep 186.2; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=7.93, Plg=65, Azm=169; (N) Val=0.54, Plg=24, Azm=341; (P) Val=-8.47, Plg=3, Azm=72; Best double couple: Mo=8.2*10**17 Nm; NP1: Strike=186, Dip=47, Slip=124; NP2: Strike=321, Dip=53, Slip=59. Scalar Moment (PPT): Mo=1.3*10**18 Nm.
31	12	48	45.9	18.992	S	169.299	E	250	G	4.8		1.1	49	VANUATU ISLANDS
31	13	00	08.7	23.981	N	123.467	E	51		5.1	4.9	1.1	77	SOUTHWESTERN RYUKYU ISLANDS. Felt (II JMA) in the epicentral area.
31	16	37	45.1	51.494	N	156.695	E	100	G	4.5		0.4	13	KAMCHATKA
31	17	15	41.3	36.044	N	70.876	E	102	D	5.0		1.2	138	HINDU KUSH REGION, AFGHANISTAN. Felt at Peshawar, Pakistan.
31	18	32	25.0	0.061	N	123.116	E	175		5.0		1.1	62	MINAHASSA PENINSULA, SULAWESI
31	19	31	45.0%	44.038	N	7.732	E	5	G			0.3	7	NORTHERN ITALY. ML 2.2 (GEN).
31	19	53	14.2&	62.276	N	148.411	W	46					29	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
31	20	19	46.1*	51.677	N	16.099	E	5	G			1.3	9	POLAND. ML 2.8 (VIE).
31	21	42	49.4%	44.263	N	6.510	E	10	G			0.4	8	FRANCE. ML 2.1 (GEN).
31	21	58	13.9%	35.935	N	3.165	W	10	G			0.3	5	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
31	22	53	12.9*	38.061	S	176.889	E	127	*	4.5		1.0	28	NORTH ISLAND, NEW ZEALAND
31	23	43	37.7*	42.888	N	12.844	E	10	G			1.3	21	CENTRAL ITALY. ML 3.3 (VIE), 3.1 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.

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.

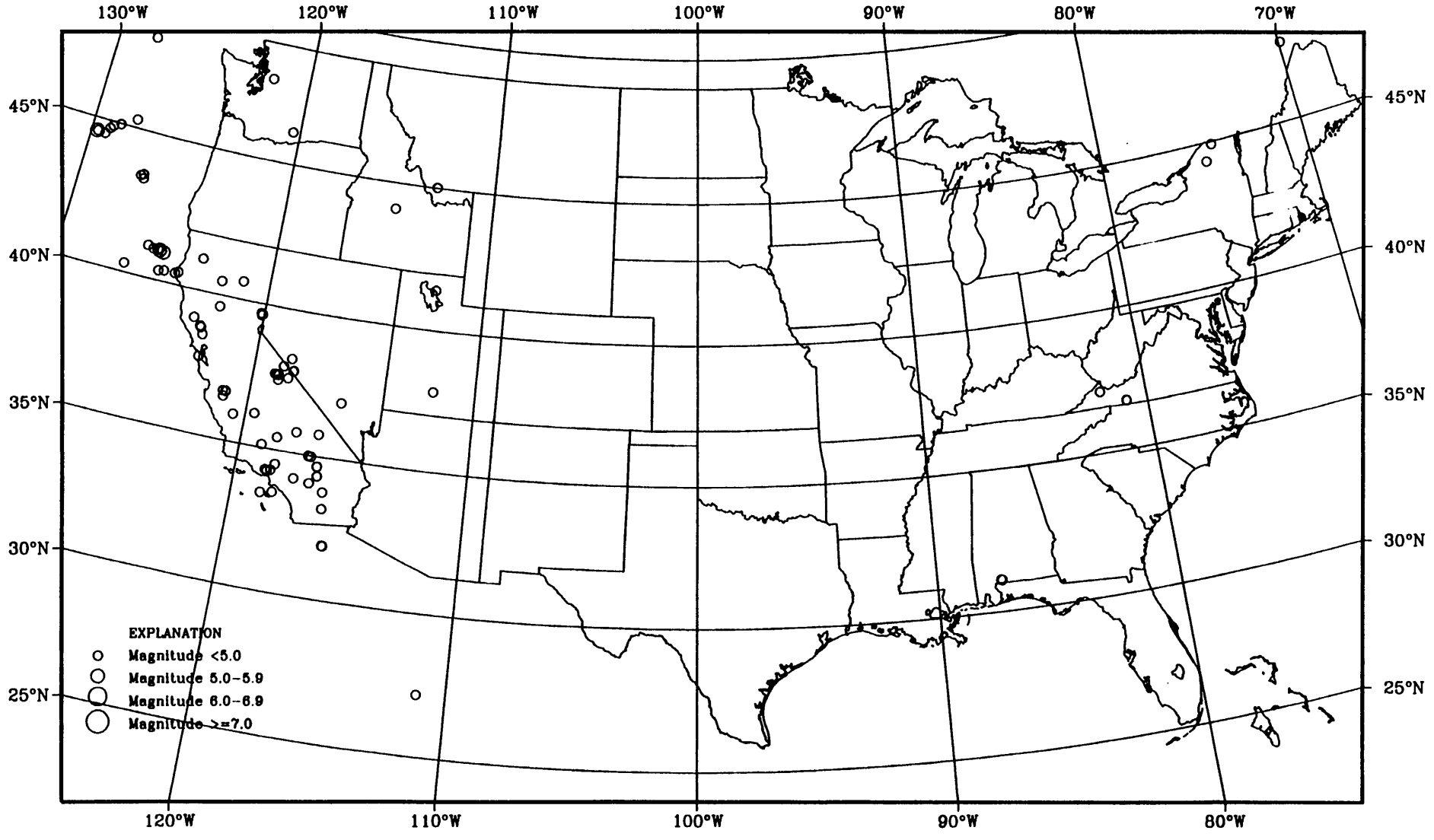
Earthquake Focal Mechanisms for October 1987



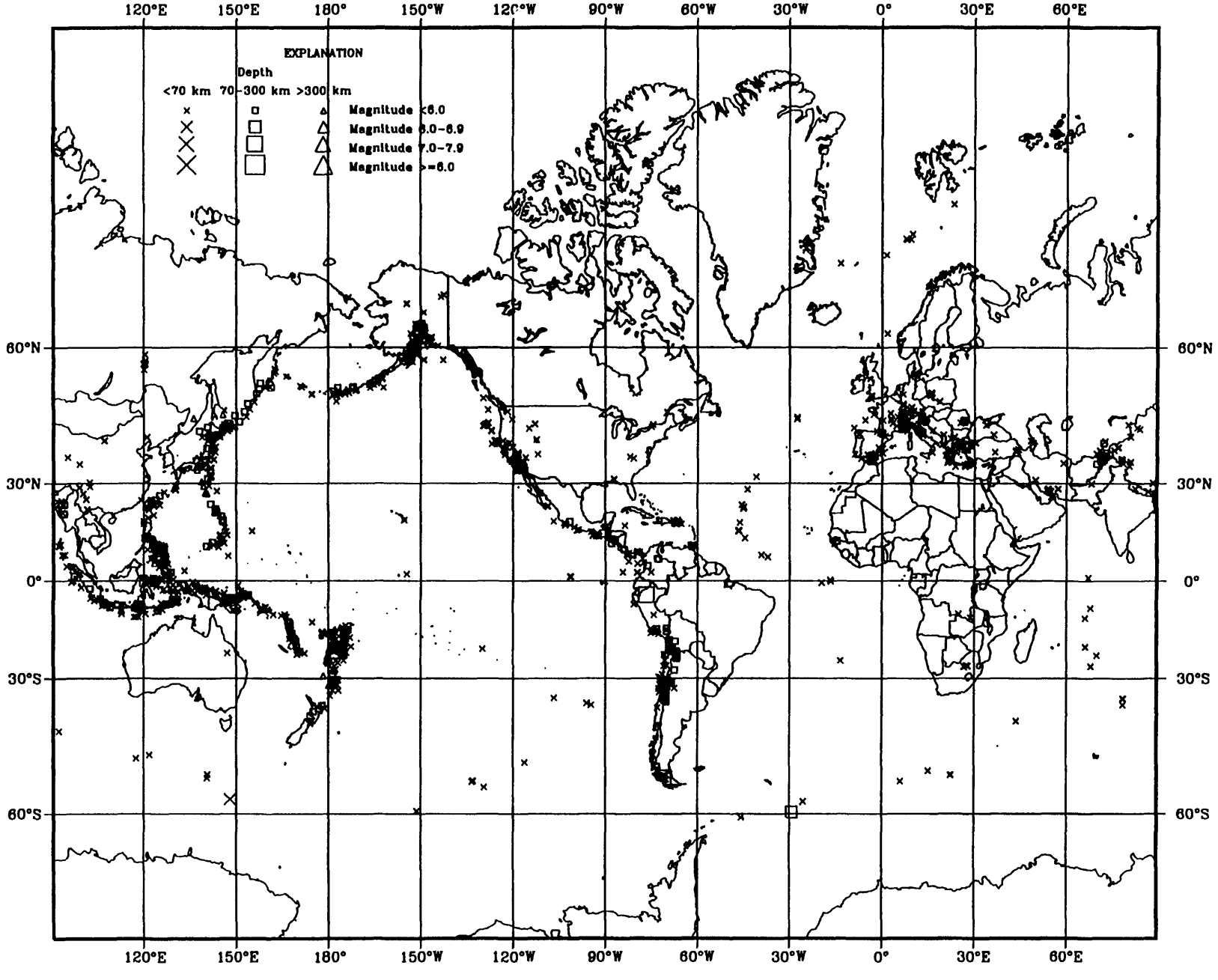
Earthquake epicenters in Alaska and adjacent regions for October 1997



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



Earthquakes located worldwide in October 1997



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

USGS
science for a changing world

Preliminary Determination of Epicenters

Monthly Listing

National Earthquake Information Center

NOVEMBER 1997

ORIGIN TIME UTC DAY	HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH	MAGNITUDE GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00	02	51.3	16.610	S	172.949	W	33 N	5.0	5.4	1.1	105	SAMOA ISLANDS REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:02:56.2; Lat 16.70 S; Lon 172.18 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.46, Plg=74, Azm=280; (N) Val=-0.10, Plg=0, Azm=189; (P) Val=-2.36, Plg=16, Azm=99; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=189, Dip=29, Slip=90; NP2: Strike=9, Dip=61, Slip=90.
01	00	51	45.6?	60.36	S	49.66	W	10 G	4.2		1.5	13	SCOTIA SEA
01	02	42	22.3	51.456	N	6.337	E	5 G			1.3	15	GERMANY. ML 3.0 (STR), 2.7 (LDG), 2.4 (UCC).
01	03	46	33.6	36.440	N	70.695	E	207 D	4.8		0.9	212	HINDU KUSH REGION, AFGHANISTAN. Felt at Peshawar, Pakistan.
01	04	06	17.0	6.941	S	155.807	E	100 G	4.5		1.1	40	SOLOMON ISLANDS
01	04	07	43.1	28.063	N	53.782	E	33 N	4.4		0.8	37	SOUTHERN IRAN
01	05	26	54.7	31.152	S	68.902	W	123	4.6		1.0	27	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
01	05	44	11.4&	61.958	N	148.455	W	31				16	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
01	05	50	52.0	45.677	N	6.858	E	10 G			0.7	38	FRANCE. ML 2.7 (STR), 2.6 (LDG), 2.5 (GEN).
01	06	00	05.8%	45.646	N	6.861	E	10 G			0.1	5	FRANCE. ML 1.6 (LDG).
01	06	25	46.8	27.690	S	65.550	E	10 G	5.2	4.3	0.9	64	SOUTH INDIAN OCEAN. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:25:54.8; Lat 27.48 S; Lon 65.34 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=4.94, Plg=0, Azm=175; (N) Val=-1.28, Plg=0, Azm=85; (P) Val=-3.67, Plg=90, Azm=180; Best double couple: Mo=4.3*10**16 Nm; NP1: Strike=265, Dip=45, Slip=-90; NP2: Strike=85, Dip=45, Slip=-90.
01	07	53	15.0?	27.64	S	65.97	E	10 G			1.1	6	SOUTH INDIAN OCEAN
01	07	57	43.7	39.499	N	16.223	E	10 G			1.1	23	SOUTHERN ITALY. ML 3.4 (ROM).
01	09	20	47.7	33.731	S	73.228	W	33 N	4.8		0.9	18	OFF COAST OF CENTRAL CHILE. MD 4.4 (SAN).
01	09	24	45.1*	14.870	N	146.843	E	33 N	4.4		1.2	22	MARIANA ISLANDS
01	09	32	48.7	21.075	S	179.237	W	650 G	4.8		1.0	51	FIJI ISLANDS REGION
01	09	58	29.0*	46.998	N	144.684	E	400 G	3.5		0.8	12	SEA OF OKHOTSK
01	10	02	16.6	20.130	N	121.436	E	33 N	4.5		0.6	16	PHILIPPINE ISLANDS REGION
01	10	12	31.5%	44.428	N	26.306	E	10 G			0.9	8	ROMANIA
01	10	17	15.9*	52.589	N	168.221	W	33 N	4.5		1.3	38	FOX ISLANDS, ALEUTIAN ISLANDS
01	10	27	42.3?	20.33	N	122.25	E	33 N	4.4		0.6	9	PHILIPPINE ISLANDS REGION
01	11	05	06.4?	31.29	S	71.55	W	20 G			0.3	8	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
01	11	12	40.4&	59.896	N	153.320	W	123				17	SOUTHERN ALASKA. <AEIC>.
01	11	37	06.8*	35.195	N	139.205	E	33 N			0.9	12	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) in southwestern Kanagawa, eastern Shizuoka and eastern Yamanashi Prefectures.
01	13	16	25.5*	12.427	S	77.087	W	63 D	4.9		1.0	36	NEAR COAST OF PERU
01	13	23	15.7?	0.34	N	120.40	E	57 ?	3.8		1.2	10	MINAHASSA PENINSULA, SULAWESI
01	13	36	30.9	28.524	N	57.173	E	33 N	4.5		0.7	56	SOUTHERN IRAN
01	13	42	04.1%	13.110	N	93.500	E	33 N			0.6	9	ANDAMAN ISLANDS, INDIA
01	13	50	52.8*	39.483	N	39.648	E	10 G	4.2		1.2	19	TURKEY
01	15	15	32.6&	40.060	N	121.470	W	12				11	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.3 (BRK), 3.2 (GS).
01	15	20	46.6*	0.032	N	126.636	E	79 *	4.5		0.9	14	NORTHERN MOLUCCA SEA
01	15	21	32.3*	10.714	S	164.676	E	33 N	4.7		1.2	19	SANTA CRUZ ISLANDS REGION
01	16	05	45.9&	60.625	N	144.188	W	0				17	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
01	16	08	59.4*	47.347	N	151.969	E	150 G	4.1		1.0	37	KURIL ISLANDS
01	17	19	08.2*	3.637	S	139.871	E	33 N	4.1		1.4	10	IRIAN JAYA, INDONESIA
01	17	26	29.7	63.376	N	150.732	W	33 N			1.3	8	CENTRAL ALASKA. ML 2.9 (PMR).
01	17	27	35.2	44.267	N	6.502	E	10 G			0.6	22	FRANCE. ML 2.2 (GEN), 1.9 (LDG).
01	17	50	22.3	37.714	N	3.386	W	10 G			0.3	6	SPAIN. mbLg 2.7 (MDD).
01	17	54	00.7*	33.176	N	138.122	E	318		3.8	0.7	15	SOUTH OF HONSHU, JAPAN
01	18	32	58.6?	4.33	S	119.99	E	33 N	4.1		0.6	6	SULAWESI, INDONESIA
01	18	33	21.1*	45.633	N	7.021	E	5 G			0.9	6	NORTHERN ITALY. ML 2.0 (LDG).
01	18	43	22.5%	42.901	N	2.410	E	10 G			1.6	7	PYRENEES. ML 2.4 (LDG).
01	18	47	38.6	51.678	N	16.132	E	5 G			1.0	30	POLAND. ML 3.7 (GRF), 3.4 (FUR), 3.4 (VIE).
01	18	57	14.5*	21.132	S	177.368	W	400 G	4.7		0.8	17	FIJI ISLANDS REGION

01	19	06	29.2?	15.47	S	173.51	W	10	G	4.4	0.7	10	TONGA ISLANDS
01	19	10	48.0	30.726	S	179.509	W	350	G	4.3	1.2	35	KERMADEC ISLANDS REGION
01	19	30	56.0&	63.252	N	151.334	W	11				44	CENTRAL ALASKA. <AEIC>. ML 3.5 (AEIC), 3.8 (PMR).
01	20	30	24.3?	27.96	S	66.24	E	33	N	4.6	1.2	9	SOUTH INDIAN OCEAN
01	21	37	27.9*	5.221	S	150.083	E	33	N	3.8	1.4	8	NEW BRITAIN REGION, P.N.G.
01	22	07	07.7?	31.67	S	60.19	E	10	G		1.3	9	SOUTHWEST INDIAN RIDGE
01	22	13	02.0	36.029	N	139.950	E	40	D	4.6	1.2	32	EASTERN HONSHU, JAPAN. Felt (III JMA) in southern Ibaraki, eastern Saitama and southern Tochigi Prefectures. Felt (II JMA) in the Tokyo area.
01	22	15	52.5	45.424	N	26.489	E	100	G		1.1	8	ROMANIA
01	22	54	08.6&	37.603	N	118.883	W	5				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
01	23	06	46.9	33.221	S	72.327	W	33	N		0.8	12	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
01	23	12	56.1	15.297	N	94.636	W	33	N	4.7 4.4	1.0	52	NEAR COAST OF OAXACA, MEXICO
01	23	21	57.0*	42.884	N	12.875	E	10	G		1.2	22	CENTRAL ITALY. ML 3.2 (VIE), 3.1 (LDG). MD 2.8 (ROM). Felt (III) in the epicentral area.
02	00	26	01.0	38.605	N	43.367	E	39	*	4.5	1.2	72	TURKEY
02	00	57	31.4&	63.223	N	151.065	W	11				40	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.9 (PMR).
02	00	57	34.7&	58.981	N	150.775	W	5				48	GULF OF ALASKA. <AEIC>. ML 2.9 (AEIC).
02	01	01	12.2&	34.425	S	70.502	W	5	G		0.4	11	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
02	01	02	28.3?	6.12	S	102.73	W	10	G	4.8 4.4	1.0	17	CENTRAL EAST PACIFIC RISE
02	01	19	11.1*	29.354	N	131.965	E	10	G		1.0	6	SOUTHEAST OF RYUKYU ISLANDS
02	01	27	49.4	30.813	S	71.539	W	50	G		1.4	20	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
02	01	45	37.4?	5.43	S	152.65	E	33	N	3.5	1.4	6	NEW BRITAIN REGION, P.N.G.
02	02	15	15.1*	3.582	S	139.560	E	100	G	3.7	1.5	8	IRIAN JAYA, INDONESIA
02	02	54	11.3*	27.584	S	65.367	E	10	G	4.4	1.1	11	SOUTH INDIAN OCEAN
02	03	25	30.8?	28.32	S	65.47	E	10	G	4.7	0.4	5	SOUTH INDIAN OCEAN
02	03	45	35.2	67.054	N	172.993	W	10	G	4.1	1.0	16	NEAR N. COAST OF EASTERN SIBERIA
02	04	14	53.5*	42.827	N	12.911	E	10	G		1.1	20	CENTRAL ITALY. MD 3.0 (ROM). ML 2.9 (LDG). Felt (III) in the epicentral area.
02	04	20	12.1?	43.46	N	127.44	W	10	G		0.4	59	OFF COAST OF OREGON
02	04	25	00.4	30.809	S	71.280	W	55	D	4.6	1.0	47	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN). Felt (IV) at Punitaqui.
02	04	31	46.3*	45.862	N	12.805	E	10	G		1.2	12	NORTHERN ITALY. ML 2.7 (VIE).
02	05	18	23.3&	61.723	N	151.679	W	99				65	SOUTHERN ALASKA. <AEIC>.
02	05	19	45.8&	55.432	N	132.356	W	0	G			9	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.3 (PGC).
02	05	21	32.5	43.162	N	12.564	E	10	G		0.6	16	CENTRAL ITALY. MD 3.0 (ROM). ML 2.9 (LDG), 2.7 (VIE). Felt (III) in the epicentral area.
02	06	27	04.4	36.378	N	22.158	E	33	N		0.8	23	SOUTHERN GREECE
02	06	32	30.2	36.363	N	22.116	E	34		3.9	1.1	66	SOUTHERN GREECE
02	07	19	52.2*	43.129	N	12.685	E	10	G		0.6	13	CENTRAL ITALY. MD 3.0 (ROM). ML 2.9 (LDG), 2.6 (VIE). Felt (III) in the epicentral area.
02	07	54	57.0*	39.094	N	20.590	E	10	G		0.9	17	GREECE-ALBANIA BORDER REGION
02	08	34	22.3&	37.831	N	118.238	W	1				51	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 4.2 (BRK). ML 4.3 (GM), 4.3 (BRK). Moment Tensor (BRK): Dep 8; Principal axes (scale 10**15 Nm): (T) Val=2.45, Plg=20, Azm=286; (N) Val=0.00, Plg=69, Azm=90; (P) Val=-2.45, Plg=5, Azm=194; Best double couple: Mo=2.5*10**15 Nm; NP1: Strike=61, Dip=80, Slip=18; NP2: Strike=328, Dip=72, Slip=169.
02	08	38	53.1&	37.851	N	118.219	W	0				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.9 (GS).
02	08	51	54.2	37.801	N	118.143	W	5	G	4.9 4.6	1.1	149	CALIFORNIA-NEVADA BORDER REGION. Mw 5.4 (HRV), 5.2 (BRK). ML 5.5 (BRK). Felt at Fallon, Tonopah, Yerington and in the Reno-Carson City area, Nevada. Felt as far as Fresno, California. Centroid, Moment Tensor (HRV): Centroid origin time 08:51:53.2; Lat 37.55 N; Lon 119.19 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.35, Plg=29, Azm=97; (N) Val=-0.12, Plg=59, Azm=297; (P) Val=-1.23, Plg=9, Azm=192; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=238, Dip=63, Slip=15; NP2: Strike=141, Dip=76, Slip=152. Moment Tensor (BRK): Dep 8; Principal axes (scale 10**16 Nm): (T) Val=7.76, Plg=22, Azm=290; (N) Val=0.00, Plg=62, Azm=68; (P) Val=-7.76, Plg=17, Azm=193; Best double couple: Mo=7.8*10**16 Nm; NP1: Strike=62, Dip=86, Slip=28; NP2: Strike=330, Dip=62, Slip=176.
02	09	01	24.6&	37.848	N	118.224	W	6				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.0 (GS).
02	09	06	04.7?	30.35	S	71.91	W	50	G		0.3	13	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
02	09	14	53.8&	37.834	N	118.232	W	0				36	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.9 (BRK). ML 3.7 (GM), 3.8 (BRK), 3.7 (GS). Scalar Moment (BRK): Mo=8.0*10**14 Nm.
02	09	18	45.5	33.698	N	135.729	E	425		4.0	0.5	21	NEAR S. COAST OF WESTERN HONSHU
02	09	20	36.9&	37.848	N	118.231	W	1				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.0 (GS).
02	09	21	22.2&	37.848	N	118.223	W	5				4	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 3.1 (GS).
02	09	33	52.2&	37.829	N	118.237	W	7				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.6 (GM). ML 2.8 (GS).
02	09	44	06.9&	37.844	N	118.220	W	2				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.3 (GS).
02	09	52	05.3&	37.827	N	118.256	W	2				12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.3 (GM), 3.3 (BRK), 3.2 (GS).
02	10	44	08.9&	37.859	N	118.208	W	2				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.8 (GM), 2.8 (GS).
02	10	53	03.8&	62.913	N	150.706	W	114				79	CENTRAL ALASKA. <AEIC>.
02	11	02	02.2&	37.820	N	118.251	W	7				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.6 (GM). ML 2.9 (GS).
02	11	09	28.9	37.840	N	118.163	W	5	G		0.9	17	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (GS), 3.4 (BRK).
02	11	15	12.3	37.870	N	118.265	W	5	G		0.7	6	CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (GS).
02	11	17	12.9?	27.54	S	65.76	E	10	G	4.6	1.3	8	SOUTH INDIAN OCEAN
02	11	18	42.5&	37.844	N	118.238	W	2				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.5 (GM). ML 2.8

													(GS).
02	11	24	05.9*	19.236	N	66.344	W	33	N	4.3	1.0	30	PUERTO RICO REGION
02	11	26	07.5*	51.119	N	15.739	E	5	G		0.8	7	POLAND. ML 3.0 (VIE).
02	11	32	42.9?	16.26	N	98.34	W	33	N	4.4	0.9	16	NEAR COAST OF GUERRERO, MEXICO
02	11	55	45.0&	37.850	N	118.221	W	2				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.8 (GM), 3.2 (GS).
02	12	00	44.3	24.984	N	126.782	E	100	G	4.1	0.9	18	RYUKYU ISLANDS
02	12	02	24.3&	37.838	N	118.237	W	1				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.8 (GS).
02	12	05	30.8&	37.831	N	118.217	W	8				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.4 (GM). ML 2.8 (GS).
02	12	31	06.3	8.836	S	123.914	E	33	N	4.6	1.3	41	FLORES REGION, INDONESIA
02	12	39	28.0	28.442	S	179.878	W	400	G	4.8	1.0	72	KERMADEC ISLANDS REGION
02	12	56	05.7&	37.812	N	118.268	W	8				21	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.3 (GM), 3.4 (BRK), 3.4 (GS).
02	13	03	25.6*	15.727	N	92.874	W	100	G	4.0	1.0	28	MEXICO-GUATEMALA BORDER REGION
02	13	05	46.9*	49.371	N	0.066	W	10	G		0.6	13	FRANCE. ML 3.7 (STR).
02	13	27	21.4&	37.844	N	118.227	W	1				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.1 (GS).
02	13	36	04.4&	37.851	N	118.217	W	1				14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.2 (GM), 3.1 (BRK), 3.3 (GS).
02	13	51	33.3*	52.831	S	21.768	E	10	G	4.5	0.7	12	SOUTH OF AFRICA
02	13	55	30.9	46.837	N	7.116	E	10	G		1.3	12	SWITZERLAND. ML 2.1 (LDG).
02	14	07	04.7?	35.56	S	71.66	W	110	G		0.6	12	CENTRAL CHILE. MD 3.2 (SAN).
02	14	10	42.6&	37.852	N	118.218	W	2				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.4 (GM). ML 2.8 (GS).
02	14	44	11.5*	27.718	S	65.879	E	10	G	4.9 4.5	1.1	28	SOUTH INDIAN OCEAN
02	14	47	53.2?	4.42	S	120.13	E	33	N		1.1	4	SULAWESI, INDONESIA. ML 4.0 (DJA).
02	14	53	51.1*	28.268	N	96.113	E	33	N	3.8	0.4	7	EASTERN XIZANG-INDIA BORDER REG.
02	15	03	08.0?	6.30	S	147.18	E	124	*	3.9	0.9	10	EASTERN NEW GUINEA REG., P.N.G.
02	15	03	04.2	37.854	N	118.161	W	5	G	4.3	1.1	80	CALIFORNIA-NEVADA BORDER REGION. Mw 4.6 (BRK). ML 4.8 (GM), 4.8 (BRK). Moment Tensor (BRK): Dep 14; Principal axes (scale 10**15 Nm): (T) Val=8.70, Plg=22, Azm=119; (N) Val=0.00, Plg=60, Azm=345; (P) Val=-8.70, Plg=19, Azm=218; Best double couple: Mo=8.7*10**15 Nm; NP1: Strike=168, Dip=88, Slip=150; NP2: Strike=259, Dip=60, Slip=2.
02	15	12	03.9?	24.32	S	177.15	W	200	G	4.1	1.4	13	SOUTH OF FIJI ISLANDS
02	15	14	55.0	37.876	N	118.194	W	5	G		0.6	6	CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (GS). MD 2.5 (GM).
02	15	19	17.6	44.270	N	6.559	E	10	G		0.5	35	FRANCE. ML 2.6 (GEN), 2.2 (LDG), 2.1 (STR).
02	15	28	16.2&	37.831	N	118.237	W	4				17	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.3 (BRK), 3.5 (GS).
02	15	31	17.6*	1.462	N	127.296	E	33	N	3.7	0.7	8	HALMAHERA, INDONESIA
02	15	31	19.8?	2.38	N	98.74	W	10	G	4.3	1.1	14	WEST OF GALAPAGOS ISLANDS
02	15	39	33.2&	37.840	N	118.235	W	4				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.4 (GM). ML 2.9 (GS).
02	15	41	15.4?	20.86	S	176.83	W	200	G	4.0	0.6	9	FIJI ISLANDS REGION
02	16	03	46.8&	37.856	N	118.234	W	7				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.6 (GM). ML 2.8 (GS).
02	16	22	53.2&	37.835	N	118.273	W	6				70	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 4.2 (BRK). ML 4.3 (GM), 4.2 (BRK), 4.2 (GS). Moment Tensor (BRK): Dep 8; Principal axes (scale 10**15 Nm): (T) Val=1.87, Plg=15, Azm=300; (N) Val=0.00, Plg=73, Azm=91; (P) Val=-1.87, Plg=8, Azm=208; Best double couple: Mo=1.9*10**15 Nm; NP1: Strike=74, Dip=85, Slip=16; NP2: Strike=343, Dip=74, Slip=175.
02	16	36	09.1&	37.844	N	118.231	W	4				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 3.0 (GS).
02	16	56	04.0&	37.831	N	118.271	W	1				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.4 (GM). ML 2.8 (GS).
02	17	22	46.4&	37.853	N	118.201	W	5				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.5 (GM). ML 2.9 (GS).
02	17	26	41.3*	21.570	S	176.633	W	150	G	4.2	0.6	11	FIJI ISLANDS REGION
02	17	44	06.8&	37.812	N	118.274	W	8				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.5 (GM). ML 3.0 (GS).
02	17	49	49.9&	37.859	N	118.170	W	7				15	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.5 (GS), 3.1 (BRK).
02	17	54	04.8&	37.850	N	118.216	W	2				36	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.8 (BRK). ML 3.8 (GM), 3.8 (BRK), 3.7 (GS). Moment Tensor (BRK): Dep 8; Principal axes (scale 10**14 Nm): (T) Val=5.84, Plg=13, Azm=285; (N) Val=0.00, Plg=74, Azm=141; (P) Val=-5.84, Plg=9, Azm=18; Best double couple: Mo=5.8*10**14 Nm; NP1: Strike=331, Dip=87, Slip=164; NP2: Strike=62, Dip=74, Slip=3.
02	18	19	20.0	41.453	N	141.746	E	93	*	4.3	0.9	32	HOKKAIDO, JAPAN REGION. Felt (II JMA) in eastern Aomori Prefecture, Honshu.
02	18	20	37.6	37.862	N	118.186	W	5	G		0.7	7	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (GS).
02	18	24	44.9&	37.848	N	118.208	W	2				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.8 (GS). Double event.
02	18	34	33.8&	37.852	N	118.208	W	1				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.1 (GS).
02	19	01	39.4&	63.225	N	150.518	W	121				52	CENTRAL ALASKA. <AEIC>.
02	19	01	40.8&	37.853	N	118.206	W	1				16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.3 (GM), 3.4 (GS).
02	19	04	45.9&	37.868	N	118.210	W	2				18	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.4 (GM), 3.5 (GS).
02	19	09	10.7	37.877	N	118.230	W	5	G		0.5	6	CALIFORNIA-NEVADA BORDER REGION. ML 2.8 (GS).
02	19	18	37.3&	37.843	N	118.228	W	3				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.2 (GS).
02	19	19	59.7&	37.856	N	118.212	W	1				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.6 (GM). ML 3.1 (GS).
02	19	35	54.6&	37.818	N	118.267	W	2				22	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.5 (GM), 3.6 (BRK), 3.6 (GS).
02	19	49	38.5&	37.853	N	118.203	W	2				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.9

													(GS).
02	19	52	34.5&	37.871	N	118.223	W	0				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
02	20	10	39.9&	37.836	N	118.230	W	6				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 3.2 (GS).
02	20	14	19.8&	60.396	N	152.375	W	85				82	SOUTHERN ALASKA. <AEIC>.
02	20	44	55.6&	37.869	N	118.225	W	1				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.9 (GS).
02	20	53	25.1&	37.842	N	118.228	W	6				14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.4 (GS).
02	21	00	51.5*	35.867	N	141.491	E	33	N	4.2	0.6	13	NEAR EAST COAST OF HONSHU, JAPAN
02	21	02	53.7&	37.790	N	118.226	W	1				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.5 (GM). ML 2.9 (GS).
02	21	21	49.6&	37.870	N	118.174	W	1				19	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.3 (GM), 3.5 (GS). Double event.
02	21	40	20.1%	43.042	N	145.311	E	33	N		0.8	7	HOKKAIDO, JAPAN REGION
02	21	54	01.0	4.858	N	77.443	W	69		4.8	1.1	70	NEAR WEST COAST OF COLOMBIA
02	22	11	36.2*	40.223	N	42.288	E	33	N		0.8	7	TURKEY
02	22	29	45.5&	37.848	N	118.228	W	1				26	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.8 (BRK). ML 3.5 (GM), 3.6 (BRK), 3.6 (GS). Moment Tensor (BRK): Dep 14; Principal axes (scale 10**14 Nm): (T) Val=5.05, Plg=4, Azm=95; (N) Val=0.00, Plg=81, Azm=211; (P) Val=-5.05, Plg=8, Azm=4; Best double couple: Mo=5.1*10**14 Nm; NP1: Strike=50, Dip=87, Slip=-9; NP2: Strike=140, Dip=81, Slip=-177.
02	22	55	04.3*	1.299	S	122.009	E	33	N		1.2	7	SULAWESI, INDONESIA
02	22	58	04.9&	37.845	N	118.225	W	3				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 3.1 (GS).
02	23	12	09.4	15.127	N	104.529	W	33	N	4.5 4.0	0.9	46	OFF COAST OF MICHOACAN, MEXICO
03	00	05	38.9&	37.856	N	118.195	W	1				18	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.3 (GM), 3.4 (GS).
03	00	16	53.7&	59.674	N	152.720	W	89				81	SOUTHERN ALASKA. <AEIC>.
03	00	41	47.8	9.697	N	93.852	E	150	G	4.3	0.6	42	NICOBAR ISLANDS, INDIA
03	01	07	59.8%	44.197	N	7.093	E	10	G		0.1	5	NORTHERN ITALY. ML 1.4 (LDG).
03	01	08	12.0	37.875	N	118.229	W	5	G		0.4	7	CALIFORNIA-NEVADA BORDER REGION. ML 2.8 (GS).
03	01	17	56.7*	42.959	N	12.784	E	10	G		1.2	18	CENTRAL ITALY. ML 3.0 (LDG), 2.9 (VIE). MD 3.0 (ROM). Felt (III) in the epicentral area.
03	02	13	33.8	32.249	S	71.863	W	33	N	4.3	1.3	30	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN). Felt (III) at Concon, Papudo, Santiago, Valparaiso and Vina del Mar; (II) at La Calera, Llaillay and Quillota.
03	02	14	49.4&	37.856	N	118.211	W	0				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.4 (GM). ML 2.8 (GS).
03	02	29	51.8	29.078	N	85.383	E	33	N	5.4 5.0	1.1	247	XIZANG. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:29:56.8; Lat 28.60 N; Lon 85.39 E; Dep 33.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.27, Plg=15, Azm=277; (N) Val=-0.20, Plg=10, Azm=184; (P) Val=-2.07, Plg=72, Azm=61; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=21, Dip=31, Slip=-70; NP2: Strike=178, Dip=61, Slip=-102.
03	02	33	54.6*	5.690	S	148.427	E	182	*	4.4	1.0	20	NEW BRITAIN REGION, P.N.G.
03	03	10	55.4&	37.829	N	118.229	W	1				16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 3.0 (GS).
03	03	12	42.1%	44.268	N	6.526	E	5	G		0.2	8	FRANCE. ML 1.3 (LDG).
03	03	14	22.0%	32.801	S	70.211	W	110	G		0.3	12	CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
03	03	18	08.1*	23.321	N	120.735	E	33	N	4.5	1.0	8	TAIWAN
03	03	19	54.3&	37.811	N	118.257	W	3				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.5 (GM). ML 2.9 (GS).
03	03	46	00.6*	3.038	S	136.406	E	33	N	4.3	1.1	16	IRIAN JAYA, INDONESIA
03	03	59	32.1	43.022	N	12.766	E	10	G		1.2	61	CENTRAL ITALY. ML 3.6 (STR), 3.5 (VIE), 3.4 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
03	04	07	50.7*	6.726	N	73.349	W	200	G	4.5	1.4	20	NORTHERN COLOMBIA
03	04	10	10.1%	27.737	N	52.447	E	33	N		1.1	16	SOUTHERN IRAN
03	05	06	36.1?	37.07	N	4.00	W	10	G		0.4	4	SPAIN. mbLg 2.1 (MDD).
03	05	37	48.7	20.397	S	178.743	W	600	G	5.1	1.0	199	FIJI ISLANDS REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:37:55.4; Lat 20.35 S; Lon 178.80 W; Dep 619.9; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=3.05, Plg=31, Azm=134; (N) Val=-0.19, Plg=11, Azm=231; (P) Val=-2.86, Plg=57, Azm=338; Best double couple: Mo=3.0*10**17 Nm; NP1: Strike=192, Dip=17, Slip=-130; NP2: Strike=53, Dip=77, Slip=-79.
03	05	39	01.7*	27.884	N	130.168	E	33	N	4.9	1.1	20	RYUKYU ISLANDS
03	05	49	40.3?	5.99	N	126.60	E	33	N	4.4	1.0	10	MINDANAO, PHILIPPINE ISLANDS
03	06	04	09.7?	0.94	S	125.48	E	33	N	4.2	1.4	8	SOUTHERN MOLUCCA SEA
03	06	21	15.9&	37.796	N	118.288	W	10				2	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.6 (GM). ML 3.2 (GS).
03	06	29	16.4	13.189	S	174.885	E	33	N	5.2 5.3	1.0	73	FIJI ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:29:17.9; Lat 13.10 S; Lon 175.08 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.94, Plg=7, Azm=189; (N) Val=0.04, Plg=5, Azm=98; (P) Val=-1.98, Plg=81, Azm=331; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=285, Dip=38, Slip=-82; NP2: Strike=94, Dip=52, Slip=-97.
03	06	59	31.1	36.331	N	54.454	E	33	N	4.8 4.5	1.2	65	NORTHERN IRAN. Felt in the Gorgan area.
03	07	36	58.9	4.433	N	125.821	E	161	D	5.2	1.1	84	TALAUD ISLANDS, INDONESIA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:37:03.6; Lat 3.90 N; Lon 125.91 E; Dep 179.0; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.63, Plg=20, Azm=297; (N) Val=-0.21, Plg=24, Azm=36; (P) Val=-1.42, Plg=58, Azm=171; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=353, Dip=32, Slip=-139; NP2:

Strike=226, Dip=69, Slip=-65.

03	08	02	50.8*	17.869	S	178.623	W	600	G	4.2	0.9	30	FIJI ISLANDS REGION
03	08	03	26.8&	41.645	S	174.169	E	10	G		0.3	11	COOK STRAIT, NEW ZEALAND. ML 4.0 (WEL).
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.
03	08	14	55.9*	4.724	N	123.377	E	500	G	4.5	0.9	13	CELEBES SEA
03	08	35	45.9?	35.96	N	140.01	E	83	?		1.1	11	NEAR EAST COAST OF HONSHU, JAPAN
03	08	36	26.5*	38.481	N	26.567	E	33	N	3.9	1.2	13	AEGEAN SEA
03	08	46	27.7&	44.291	N	6.453	E	5	G		0.2	9	FRANCE. ML 1.8 (LDG).
03	08	46	48.1	38.709	N	42.293	E	33	N	4.5	1.1	32	TURKEY
03	09	24	12.9	24.145	N	123.732	E	117	*	4.5	1.1	35	SOUTHWESTERN RYUKYU ISLANDS. Felt (III JMA) in the epicentral area.
03	09	50	33.0*	29.600	S	177.743	W	33	N	4.9	1.3	36	KERMADEC ISLANDS, NEW ZEALAND
03	10	40	51.7*	3.533	S	141.462	E	33	N	3.6	0.7	7	NEW GUINEA, PAPUA NEW GUINEA
03	11	13	51.4&	37.867	N	118.194	W	2				2	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.6 (GM). ML 2.9 (GS).
03	11	43	21.6*	36.072	N	54.314	E	33	N	4.2	1.1	7	NORTHERN IRAN
03	12	07	55.7?	16.50	S	168.24	E	100	G	3.9	1.1	6	VANUATU ISLANDS
03	12	37	23.9*	4.157	S	154.142	E	432	*	3.9	1.0	19	SOLOMON ISLANDS
03	13	35	21.3*	44.399	N	8.871	E	5	G		0.3	8	NORTHERN ITALY. ML 2.5 (LDG), 2.1 (STR).
03	13	50	07.3*	24.222	N	123.687	E	53	D	3.9	1.1	14	SOUTHWESTERN RYUKYU ISLANDS. Felt (II JMA) in the epicentral area.
03	14	17	33.4?	31.67	S	69.66	W	100	G		1.0	12	SAN JUAN PROVINCE, ARGENTINA. MD 3.2 (SAN).
03	14	44	52.0*	81.096	N	4.149	W	10	G	4.4	1.1	12	NORTH OF SVALBARD
03	14	51	07.7*	38.596	N	42.230	E	33	N	4.1	1.1	12	TURKEY
03	15	28	11.5*	15.795	S	167.923	E	33	N	4.3	1.3	19	VANUATU ISLANDS
03	16	01	54.8*	27.957	N	130.049	E	33	N		0.9	11	RYUKYU ISLANDS
03	17	14	49.9*	5.881	S	103.593	E	33	N		1.0	13	SOUTHERN SUMATERA, INDONESIA
03	18	04	18.7	44.888	N	6.722	E	5	G		1.0	14	FRANCE. ML 2.3 (LDG), 2.0 (STR).
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). 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.
													Broadband Source Parameters (GS): Dep 45; NP1: Strike=15, Dip=30, Slip=120; NP2: Strike=161, Dip=64, Slip=74; Radiated energy 4.5*10**13 Nm.
													Moment Tensor (GS): Dep 43; Principal axes (scale 10**18 Nm): (T) Val=2.28, Plg=81, Azm=70; (N) Val=0.02, Plg=3, Azm=177; (P) Val=-2.30, Plg=9, Azm=267; Best double couple: Mo=2.3*10**18 Nm; NP1: Strike=1, Dip=36, Slip=95; NP2: Strike=175, Dip=54, Slip=87.
													Centroid, Moment Tensor (HRV): Centroid origin time 19:17:39.8; Lat 30.99 S; Lon 71.69 W; Dep 51.0 Bdy; Half-duration 13.0 sec; Principal axes (scale 10**18 Nm): (T) Val=2.06, Plg=76, Azm=89; (N) Val=0.15, Plg=1, Azm=354; (P) Val=-2.21, Plg=14, Azm=264; Best double couple: Mo=2.1*10**18 Nm; NP1: Strike=352, Dip=31, Slip=88; NP2: Strike=175, Dip=59, Slip=91.
03	19	17	58.9	6.736	S	129.021	E	216		5.7	1.2	177	BANDA SEA. Mw 6.1 (GS), 6.1 (HRV).
													Moment Tensor (GS): Dep 206; Principal axes (scale 10**18 Nm): (T) Val=1.33, Plg=50, Azm=269; (N) Val=0.60, Plg=36, Azm=118; (P) Val=-1.93, Plg=14, Azm=17; Best double couple: Mo=1.6*10**18 Nm; NP1: Strike=69, Dip=44, Slip=32; NP2: Strike=315, Dip=68, Slip=130.
													Centroid, Moment Tensor (HRV): Centroid origin time 19:18:02.2; Lat 6.72 S; Lon 129.11 E; Dep 221.0; Half-duration 2.5 sec; Principal axes (scale 10**18 Nm): (T) Val=1.40, Plg=63, Azm=256; (N) Val=0.35, Plg=22, Azm=111; (P) Val=-1.75, Plg=14, Azm=15; Best double couple: Mo=1.6*10**18 Nm; NP1: Strike=78, Dip=37, Slip=51; NP2: Strike=303, Dip=62, Slip=115.
03	19	43	45.5	30.103	S	73.071	W	60	G		1.0	22	OFF COAST OF CENTRAL CHILE. MD 4.5 (SAN).
03	19	57	24.2*	5.976	S	131.231	E	33	N	3.8	1.3	8	BANDA SEA
03	20	12	52.0	30.772	S	71.335	W	45	D	5.6	0.9	139	NEAR COAST OF CENTRAL CHILE. MD 5.2 (SAN). Felt (IV) at Choapa and Ovalle; (III) at La Serena and Papudo; (II) at Valparaiso. Also felt (III) at Mendoza, Argentina.
03	21	05	33.0	30.750	S	71.370	W	46	D	4.5	1.1	37	NEAR COAST OF CENTRAL CHILE. MD 5.0 (SAN). Felt (V) at Vicuna, (IV) at Ovalle, (III) at La Ligua and (II) at Papudo.
03	21	23	56.3?	5.20	S	154.05	E	33	N	3.8	0.9	7	SOLOMON ISLANDS
03	21	37	15.1	19.963	S	175.356	W	152	D	5.2	0.9	159	TONGA ISLANDS. Mw 5.9 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 21:37:19.8; Lat 19.92 S; Lon 174.71 W; Dep 162.8; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=8.05, Plg=41, Azm=310; (N) Val=-0.41, Plg=4, Azm=44; (P) Val=-7.65, Plg=49, Azm=139; Best double couple: Mo=7.8*10**17 Nm; NP1: Strike=356, Dip=6, Slip=-138; NP2: Strike=224, Dip=86, Slip=-86.
03	21	44	53.6?	47.71	N	16.19	E	10	G		0.3	4	AUSTRIA. ML 2.9 (VIE). Felt (IV) at Markt Piesting.
03	22	16	07.5*	32.251	S	178.841	W	250	G	4.1	0.7	17	SOUTH OF KERMADEC ISLANDS
03	22	45	16.9&	60.890	N	151.376	W	77				42	KENAI PENINSULA, ALASKA. <AEIC>.
03	22	49	56.0*	28.082	N	58.517	E	33	N	4.1	1.0	10	SOUTHERN IRAN
03	22	58	49.2&	37.804	N	118.285	W	5				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.6 (GM). ML 2.9 (GS).
03	23	17	03.5	47.735	N	16.190	E	5	G		0.2	6	AUSTRIA. ML 2.6 (VIE). Felt (IV) at Markt Piesting.
03	23	38	39.0	6.331	S	104.077	E	50	D	4.9	1.1	48	SUNDA STRAIT
04	00	26	26.7	30.914	S	65.506	W	150	G		0.9	28	CORDOBA PROVINCE, ARGENTINA. MD 4.1 (SAN).
04	00	28	58.0	17.002	S	72.983	W	33	N	5.1 4.4	0.9	95	NEAR COAST OF PERU

04	01	01	29.1&	37.651	N	118.859	W	5				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
04	01	23	56.0&	59.675	N	152.420	W	68				62	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
04	01	31	06.7*	35.117	N	138.953	E	21	D	4.0	1.0	28	EASTERN HONSHU, JAPAN. Felt (III JMA) in northwestern Kanagawa and (II JMA) in southern Chiba and eastern Yamanashi Prefectures.
04	02	22	19.3*	47.725	N	16.221	E	10	G		0.7	5	AUSTRIA. ML 2.5 (VIE). Felt (IV) at Markt Piesting.
04	02	47	24.5*	15.098	S	167.492	E	33	N	4.7	0.9	26	VANUATU ISLANDS
04	03	01	33.4*	27.709	S	65.599	E	10	G	5.1	1.2	20	SOUTH INDIAN OCEAN
04	03	09	58.4*	17.244	S	72.564	W	33	N	4.7	1.4	19	NEAR COAST OF PERU
04	03	35	39.6?	30.51	S	71.83	W	40	G		0.3	13	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
04	03	57	03.7?	30.51	S	71.99	W	50	G		0.4	11	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
04	04	03	08.6?	28.88	N	85.61	E	33	N	3.9	1.2	8	NEPAL
04	04	15	42.5	23.464	N	143.328	E	33	N	4.5	0.9	21	VOLCANO ISLANDS REGION
04	04	58	39.0&	59.940	N	153.343	W	119				64	SOUTHERN ALASKA. <AEIC>.
04	05	18	46.0	30.777	S	71.648	W	50	G		1.1	20	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
04	05	55	47.5*	13.286	S	174.928	E	33	N	4.8	1.5	20	FIJI ISLANDS REGION
04	07	01	56.9?	30.51	S	71.98	W	50	G		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
04	07	34	13.1*	23.752	N	126.995	E	43	D	4.5	1.3	21	SOUTHEAST OF RYUKYU ISLANDS
04	07	51	25.1?	32.47	S	71.72	W	40	G		0.7	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
04	08	08	38.4	39.287	N	76.631	E	20	D	4.5	0.8	18	SOUTHERN XINJIANG, CHINA
04	08	56	57.9*	15.673	S	167.687	E	93	D	4.4	1.2	14	VANUATU ISLANDS
04	09	53	17.4?	10.78	N	62.34	W	100	G		0.2	7	NEAR COAST OF VENEZUELA. MD 3.9 (TRN).
04	10	28	10.5&	63.206	N	150.374	W	148				87	CENTRAL ALASKA. <AEIC>.
04	10	30	29.5	38.297	N	23.509	E	10	G		1.0	33	GREECE. ML 3.8 (THE). Felt in the Athens area and in some parts of western Greece.
04	10	40	43.0	21.029	S	179.204	W	621	D	5.1	0.8	144	FIJI ISLANDS REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:40:47.3; Lat 20.90 S; Lon 179.27 W; Dep 619.8; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.71, Plg=31, Azm=31; (N) Val=-0.06, Plg=48, Azm=165; (P) Val=-2.64, Plg=24, Azm=285; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=66, Dip=49, Slip=174; NP2: Strike=160, Dip=86, Slip=41.
04	10	43	01.6&	53.764	N	165.772	W	65				4	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.8 (AEIC).
04	11	58	01.6*	13.208	S	166.420	E	33	N	4.5	1.1	28	VANUATU ISLANDS
04	12	17	53.6?	11.86	S	166.53	E	33	N	4.4	1.3	10	SANTA CRUZ ISLANDS
04	12	48	29.9?	18.62	N	145.66	E	500	G		1.1	10	MARIANA ISLANDS
04	13	02	44.0&	37.646	N	118.864	W	5				15	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.5 (GS).
04	13	14	03.0&	37.650	N	118.864	W	4				12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.2 (GS), 3.0 (BRK).
04	13	14	32.1&	37.640	N	118.871	W	7				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.2 (GS), 3.0 (BRK).
04	13	15	29.2?	10.75	N	62.53	W	33	N		0.8	7	NEAR COAST OF VENEZUELA. MD 3.3 (TRN).
04	13	55	42.5	42.977	S	171.334	E	10	G	4.2	1.3	27	SOUTH ISLAND, NEW ZEALAND. ML 4.9 (WEL). Felt from Harihari to Westport.
04	14	36	21.7&	34.104	N	117.430	W	4				31	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). MD 3.5 (ECX). Felt in the Ontario-Riverside-San Bernardino area.
04	15	11	15.9	23.451	N	143.253	E	33	N	4.4	0.9	30	VOLCANO ISLANDS REGION
04	15	27	32.3&	64.913	N	149.215	W	21				49	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.4 (PMR).
04	17	02	53.0?	46.08	N	14.78	E	10	G		0.3	4	NORTHWESTERN BALKAN REGION. ML 1.6 (LJU).
04	17	37	15.6?	38.08	S	92.88	W	10	G		1.4	10	WEST CHILE RISE
04	17	51	22.4*	13.286	S	166.267	E	33	N	4.4	1.3	14	VANUATU ISLANDS
04	18	47	51.8?	38.33	S	93.85	W	10	G		1.1	9	WEST CHILE RISE
04	18	54	49.0*	38.310	S	93.980	W	10	G	4.2	0.9	11	WEST CHILE RISE
04	18	59	14.1	30.750	S	71.467	W	52	D	4.7	1.1	42	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN). Felt (IV) at Combarbala, Monte Patria and Ovalle; (III) at Hurtado, Illapel, La Serena, Punitaqui and Salamanca; (II) at Petorca.
04	19	25	16.1*	28.086	N	53.825	E	33	N	4.5	1.4	23	SOUTHERN IRAN
04	19	38	35.8	39.373	N	142.133	E	75	D	4.6	1.1	26	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in southeastern Iwate Prefecture.
04	19	49	22.3	30.821	S	71.390	W	50	G	4.2	0.9	14	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN). Felt (III) at Combarbala, Hurtado, Monte Patria, Ovalle and Punitaqui.
04	21	51	29.6*	7.310	S	147.351	E	60	*	4.0	1.3	16	EASTERN NEW GUINEA REG., P.N.G.
04	22	43	16.4&	32.675	N	118.460	W	6	G			26	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.3 (PAS). MD 3.6 (ECX).
04	22	53	58.5	42.937	N	12.750	E	10	G		1.1	31	CENTRAL ITALY. MD 3.4 (ROM). ML 3.4 (VIE), 3.3 (LDG). Felt (IV) in the epicentral area.
04	23	01	01.2	25.320	N	126.447	E	33	N	4.5	0.7	15	RYUKYU ISLANDS
04	23	09	17.4?	45.50	N	26.63	E	100	G		0.9	6	ROMANIA
04	23	32	22.6&	44.916	N	6.753	E	5	G		0.6	8	FRANCE. ML 1.9 (LDG).
05	00	19	03.3&	37.633	N	118.980	W	7				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
05	00	28	08.1	21.373	S	179.159	W	600	G	4.2	1.1	33	FIJI ISLANDS REGION
05	00	51	48.9	41.838	N	112.298	W	10	G		0.6	21	UTAH. ML 2.9 (GS).
05	01	19	22.6	5.169	S	151.130	E	150	G	4.5	0.9	35	NEW BRITAIN REGION, P.N.G.
05	01	42	37.9&	64.815	N	155.112	W	10	G	4.9		173	CENTRAL ALASKA. <AEIC>. ML 4.9 (AEIC). Felt strongly at Ruby. Also felt by people in high-rise buildings at Fairbanks.
05	03	26	11.1?	30.77	N	131.76	E	33	N		1.3	6	KYUSHU, JAPAN
05	03	31	03.7&	37.260	N	22.021	E	10	G		1.2	5	SOUTHERN GREECE. ML 3.3 (ATH).
05	03	52	27.1	52.427	N	173.055	W	33	N	4.4	1.1	44	ANDREANOF ISLANDS, ALEUTIAN IS.
05	04	13	02.3?	17.73	S	173.88	W	33	N	4.2	0.4	6	TONGA ISLANDS
05	04	54	54.0&	58.899	N	154.563	W	123				45	ALASKA PENINSULA. <AEIC>.
05	05	08	08.8&	37.825	N	118.244	W	3				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.5 (GM). ML 2.9 (GS).
05	05	33	29.5	30.748	S	71.483	W	45	D	4.3	1.1	28	NEAR COAST OF CENTRAL CHILE
05	05	45	03.0&	59.938	N	153.327	W	126				65	SOUTHERN ALASKA. <AEIC>.
05	05	53	06.7?	22.71	S	179.43	E	600	G	4.1	0.9	9	SOUTH OF FIJI ISLANDS
05	06	09	14.0*	43.756	S	78.180	W	10	G	4.5 5.0	1.4	25	OFF COAST OF SOUTHERN CHILE. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:09:13.4; Lat 44.54 S; Lon 78.73 W; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.66, Plg=6, Azm=35; (N) Val=0.02, Plg=73, Azm=146; (P)

Val=-2.69, Plg=15, Azm=304; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=80, Dip=75, Slip=-173; NP2: Strike=349, Dip=84, Slip=-15.

05	06	43	18.8?	19.01	S	178.45	W	600	G	3.8	0.3	10	FIJI ISLANDS REGION
05	07	57	38.3&	37.249	S	47.820	E	10	G		0.6	9	SOUTHWEST INDIAN RIDGE
05	08	08	28.0&	61.369	N	150.797	W	49				60	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
05	08	13	03.4*	24.231	S	67.154	W	181	*		1.0	10	CHILE-ARGENTINA BORDER REGION
05	08	44	16.0&	34.387	S	70.432	W	10	G		0.3	10	CHILE-ARGENTINA BORDER REGION
05	08	52	13.0&	37.834	N	118.222	W	0				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.0 (GS).
05	09	06	58.3*	13.085	S	174.742	E	33	N	4.6	0.9	18	FIJI ISLANDS REGION
05	09	23	35.3&	62.249	N	151.273	W	85				36	CENTRAL ALASKA. <AEIC>.
05	09	44	03.7	36.564	N	141.109	E	43	D	4.6	1.1	44	NEAR EAST COAST OF HONSHU, JAPAN
05	09	59	04.2	2.130	S	73.837	E	10	G	5.4 5.3	1.0	167	MALDIVE ISLANDS REGION. Mw 5.6 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 09:59:18.8; Lat 1.94 S; Lon 73.87 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.50, Plg=12, Azm=59; (N) Val=-0.21, Plg=68, Azm=298; (P) Val=-2.28, Plg=19, Azm=153; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=195, Dip=68, Slip=-5; NP2: Strike=287, Dip=85, Slip=-158.

05	10	05	36.7&	37.812	N	118.265	W	3				19	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.2 (GM), 3.3 (GS).
05	10	08	55.0*	2.280	S	73.848	E	10	G	4.0	0.8	8	MALDIVE ISLANDS REGION
05	10	27	50.3	38.295	N	23.441	E	10	G	4.5	1.4	109	GREECE. ML 4.1 (THE), 4.0 (ATH). Felt at Athens.
05	10	31	52.1	38.380	N	23.540	E	10	G	4.4	1.0	38	GREECE. ML 3.9 (ATH), 3.8 (THE).
05	10	35	19.3	38.331	N	23.536	E	10	G		1.2	21	GREECE
05	10	37	52.7	2.396	S	78.751	W	108	D	4.7	0.9	84	ECUADOR
05	10	47	25.3*	6.511	S	108.466	E	261		4.1	0.5	16	JAWA, INDONESIA
05	11	09	03.8	42.423	N	13.224	E	10	G		1.3	23	CENTRAL ITALY. MD 3.6 (ROM). ML 3.4 (VIE), 3.2 (LDG). Felt (V) in the epicentral area.
05	11	19	13.1&	59.123	N	137.433	W	7				23	SOUTHEASTERN ALASKA. <AEIC>. ML 3.2 (AEIC).
05	12	12	12.8?	17.34	N	120.07	E	33	N		0.6	5	LUZON, PHILIPPINE ISLANDS
05	12	22	55.4	34.771	N	23.977	E	33	N	5.1	1.1	220	CRETE. Mw 5.4 (HRV). ML 4.7 (ATH), 4.7 (THE). Felt strongly on Gavdhos. Felt in many parts of Crete and on the Dodecanese Islands.

Centroid, Moment Tensor (HRV): Centroid origin time 12:22:58.4; Lat 34.61 N; Lon 23.62 E; Dep 39.5; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.62, Plg=49, Azm=337; (N) Val=-0.28, Plg=31, Azm=110; (P) Val=-1.34, Plg=24, Azm=215; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=350, Dip=34, Slip=154; NP2: Strike=101, Dip=76, Slip=58.

05	12	36	38.3*	10.444	N	126.015	E	33	N	4.5	1.2	11	PHILIPPINE ISLANDS REGION
05	12	37	54.5*	13.414	S	175.018	E	33	N	4.9 5.0	1.0	40	FIJI ISLANDS REGION. Mw 5.3 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 12:37:55.7; Lat 13.41 S Fix; Lon 175.02 E Fix; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.23, Plg=23, Azm=14; (N) Val=-0.20, Plg=12, Azm=279; (P) Val=-1.04, Plg=64, Azm=162; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=127, Dip=25, Slip=-59; NP2: Strike=274, Dip=69, Slip=-103.

05	13	49	12.4*	39.933	N	142.216	E	33	N	4.8	1.1	11	NEAR EAST COAST OF HONSHU, JAPAN
05	14	29	54.5	4.576	S	104.762	E	169		4.3	1.1	29	SOUTHERN SUMATERA, INDONESIA
05	16	01	09.8?	5.49	S	153.28	E	33	N	3.9	1.1	5	NEW IRELAND REGION, P.N.G.
05	16	26	15.8?	30.41	S	72.03	W	50	G		0.4	12	OFF COAST OF CENTRAL CHILE. MD 4.3 (SAN).
05	17	13	13.5?	20.53	N	120.94	E	33	N	3.5	0.8	6	PHILIPPINE ISLANDS REGION
05	17	49	28.3	39.912	N	120.845	W	5	G	4.4	1.1	71	NORTHERN CALIFORNIA. Mw 4.3 (BRK). ML 4.8 (BRK), 4.5 (GS). MD 4.4 (GM). Felt (V) at Chilcoot, Crescent Mills, Cromberg, Downieville, Graeagle, Greenville, Tobin and Twain; (IV) at Alleghany, Berry Creek, Canyondam, Challenge, Meadow Valley, Portola, Pulga, Sierra City, Strawberry Valley, Susanville, Vinton and Washington. Felt as far as West Sacramento, California and in the Reno-Sparks area, Nevada.

Moment Tensor (BRK): Dep 8; Principal axes (scale 10**15 Nm): (T) Val=2.90, Plg=6, Azm=247; (N) Val=0.00, Plg=84, Azm=73; (P) Val=-2.90, Plg=1, Azm=337; Best double couple: Mo=2.9*10**15 Nm; NP1: Strike=292, Dip=86, Slip=175; NP2: Strike=22, Dip=85, Slip=4.

05	18	33	59.1?	3.00	S	147.31	E	33	N	4.1	1.4	10	BISMARCK SEA
05	18	53	21.9*	50.483	N	19.085	E	5	G		0.7	6	POLAND
05	19	45	04.5&	53.319	N	165.797	W	25				6	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.9 (AEIC).
05	19	54	56.0&	43.876	N	7.728	E	5	G		0.8	8	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG).
05	19	56	10.3?	43.95	N	7.82	E	5	G		0.2	5	NEAR SOUTH COAST OF FRANCE. ML 1.9 (LDG).
05	20	04	36.2	43.135	N	144.337	E	119	D	5.0	0.8	139	HOKKAIDO, JAPAN REGION. Felt (III JMA) in southeastern Hokkaido. Also felt (I JMA) in eastern Aomori and northern Iwate Prefectures, Honshu.
05	20	13	26.3*	24.941	N	120.483	E	33	N	3.6	0.6	6	TAIWAN
05	20	25	34.7&	38.220	N	23.490	E	10	G		1.3	5	GREECE. ML 3.1 (ATH).
05	20	50	47.7?	5.26	S	152.39	E	33	N	4.0	1.4	11	NEW BRITAIN REGION, P.N.G.
05	21	10	28.6	38.438	N	22.284	E	24		5.5 5.4	1.1	334	GREECE. Mw 5.6 (HRV), 5.5 (GS). ML 4.9 (THE), 4.9 (ATH). Power outages occurred in the Galaxidhion and Itea areas. Felt in central and northern Greece.

Moment Tensor (GS): Dep 21; Principal axes (scale 10**17 Nm): (T) Val=2.05, Plg=7, Azm=207; (N) Val=-0.01, Plg=30, Azm=301; (P) Val=-2.04, Plg=59, Azm=106; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=267, Dip=47, Slip=-134; NP2: Strike=142, Dip=59, Slip=-54.

Centroid, Moment Tensor (HRV): Centroid origin time 21:10:32.4; Lat 38.11 N; Lon 22.49 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=3.12, Plg=17, Azm=30; (N) Val=-0.63, Plg=24, Azm=292;

													(P) Val=-2.49, Plg=59, Azm=152; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=152, Dip=35, Slip=-44; NP2: Strike=281, Dip=67, Slip=-117.
05	21	36	58.2%	37.979	N	22.195	E	10	G			0.8	5	SOUTHERN GREECE
05	21	58	39.2&	59.698	N	153.115	W	107					45	SOUTHERN ALASKA. <AEIC>.
05	22	05	15.1%	47.086	N	5.750	E	5	G			0.4	6	FRANCE. ML 1.9 (LDG).
05	22	18	24.7%	38.358	N	22.296	E	10	G			0.3	5	GREECE. ML 3.1 (ATH).
05	22	42	56.7*	34.980	N	51.362	E	33	N	4.5		0.8	20	NORTHERN IRAN. Felt at Tehran and Varamin.
05	23	00	07.1	37.191	N	117.854	W	5	G	4.3		1.0	68	CALIFORNIA-NEVADA BORDER REGION. Mw 4.3 (BRK). ML 4.2 (GS), 4.5 (BRK). Moment Tensor (BRK): Dep 11; Principal axes (scale 10**15 Nm): (T) Val=2.72, Plg=11, Azm=279; (N) Val=0.00, Plg=11, Azm=187; (P) Val=-2.72, Plg=74, Azm=54; Best double couple: Mo=2.7*10**15 Nm; NP1: Strike=180, Dip=57, Slip=-103; NP2: Strike=23, Dip=35, Slip=-71.
05	23	14	15.1%	33.590	S	70.374	W	15	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
05	23	15	35.5	35.113	N	26.881	E	10	G	3.9		1.3	17	CRETE
05	23	18	35.5?	30.84	S	71.88	W	60	G			0.7	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
05	23	22	46.5	50.282	N	19.343	E	5	G			0.8	17	POLAND. ML 3.3 (VIE).
05	23	45	30.7	27.864	N	142.608	E	10	G	5.4	5.6	1.0	215	BONIN ISLANDS REGION. Mw 5.9 (GS), 5.9 (HRV). Moment Tensor (GS): Dep 7; Principal axes (scale 10**17 Nm): (T) Val=9.11, Plg=63, Azm=286; (N) Val=0.32, Plg=2, Azm=19; (P) Val=-9.43, Plg=27, Azm=110; Best double couple: Mo=9.3*10**17 Nm; NP1: Strike=204, Dip=18, Slip=95; NP2: Strike=19, Dip=72, Slip=88. Centroid, Moment Tensor (HRV): Centroid origin time 23:45:35.7; Lat 27.67 N; Lon 142.76 E; Dep 15.0 Fix; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=7.31, Plg=63, Azm=244; (N) Val=-0.05, Plg=12, Azm=1; (P) Val=-7.25, Plg=23, Azm=96; Best double couple: Mo=7.3*10**17 Nm; NP1: Strike=210, Dip=25, Slip=121; NP2: Strike=356, Dip=69, Slip=77.
05	23	50	25.5%	38.350	N	22.183	E	10	G			0.9	6	GREECE. ML 3.0 (ATH).
06	00	18	52.0%	38.339	N	22.227	E	10	G			0.2	5	GREECE. ML 3.0 (ATH).
06	00	25	27.9?	43.06	N	0.14	W	5	G			1.6	4	PYRENEES. ML 2.0 (LDG).
06	00	38	30.2%	32.712	S	71.790	W	15	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
06	00	47	56.9?	32.65	S	71.82	W	15	G			0.7	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
06	00	53	24.8?	21.92	S	179.34	W	500	G	4.2		0.9	11	FIJI ISLANDS REGION
06	00	59	37.2?	32.65	S	71.83	W	15	G			0.8	9	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
06	01	10	50.1?	44.09	N	148.79	E	33	N			0.3	6	KURIL ISLANDS
06	01	17	28.6	8.095	S	117.876	E	33	N	4.6		0.9	26	SUMBAWA REGION, INDONESIA
06	01	24	20.9&	46.534	N	119.711	W	23					10	WASHINGTON. <SEA-P>. MD 3.3 (SEA). ML 3.2 (GS).
06	01	26	09.5%	38.293	N	22.239	E	10	G			1.2	6	GREECE. ML 3.1 (ATH).
06	01	36	44.2&	56.964	N	157.020	W	0					22	ALASKA PENINSULA. <AEIC>. ML 3.2 (AEIC).
06	02	20	23.2	41.761	N	12.767	E	10	G			0.8	57	SOUTHERN ITALY. ML 4.5 (STR). Felt (V) at Rome.
06	02	34	33.0&	46.800	N	71.410	W	23	G	4.8	4.0		134	SOUTHERN QUEBEC, CANADA. <OTT-P>. mbLg 5.1 (OTT), 4.8 (GS). 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.
06	02	43	35.3?	30.76	S	71.86	W	55	G			0.3	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
06	02	49	21.2	47.797	N	82.071	E	33	N	4.7		0.8	35	KAZAKHSTAN-XINJIANG BORDER REG.
06	02	55	39.0&	46.780	N	71.390	W	18	G				1	SOUTHERN QUEBEC, CANADA. <OTT-P>. mbLg 2.8 (OTT).
06	03	05	57.0&	46.760	N	71.370	W	18	G				1	SOUTHERN QUEBEC, CANADA. <OTT-P>. mbLg 2.9 (OTT).
06	03	18	46.5*	29.226	S	71.753	W	33	N			1.0	16	NEAR COAST OF CENTRAL CHILE
06	03	51	20.1*	51.136	N	15.877	E	5	G			0.6	7	POLAND. ML 3.2 (VIE).
06	04	08	19.7	51.430	N	178.773	W	33	N	4.1		0.7	21	ANDREANOF ISLANDS, ALEUTIAN IS.
06	04	33	43.4&	34.979	N	116.950	W	5					43	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS), 3.8 (GS). Felt at Barstow.
06	04	40	30.9?	37.19	N	22.98	E	33	N			0.9	9	SOUTHERN GREECE. ML 3.3 (ATH).
06	05	01	03.8?	10.37	N	60.46	W	100	G			0.5	5	TRINIDAD. MD 2.8 (TRN).
06	06	12	44.7?	34.68	S	71.16	W	65	G			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
06	06	54	58.0*	4.074	S	150.714	E	100	G	4.2		1.4	19	NEW BRITAIN REGION, P.N.G.
06	07	03	58.2	39.901	N	120.886	W	5	G			0.6	13	NORTHERN CALIFORNIA. MD 2.9 (GM).
06	07	38	53.4&	65.574	N	147.820	W	3					10	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
06	07	56	42.8	46.757	N	28.069	E	10	G			0.8	11	UKRAINE-MOLDOVA-SW RUSSIA REGION
06	08	09	17.5*	37.625	N	69.651	E	33	N	4.7		1.1	14	AFGHANISTAN-TAJIKISTAN BORD REG.
06	08	14	28.3*	37.562	N	69.881	E	33	N			1.0	17	AFGHANISTAN-TAJIKISTAN BORD REG.
06	08	33	01.5%	37.285	N	69.569	E	33	N			1.3	8	AFGHANISTAN-TAJIKISTAN BORD REG.
06	09	00	44.6%	39.838	N	69.852	E	33	N			0.7	9	TAJIKISTAN
06	09	32	31.0*	33.692	N	138.419	E	285	*	3.0		1.0	14	SOUTH OF HONSHU, JAPAN
06	09	45	46.0*	13.180	S	174.557	E	33	N	4.7		1.2	32	FIJI ISLANDS REGION
06	10	01	56.8	37.884	N	118.171	W	5	G			0.6	25	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (GS), 3.6 (BRK).
06	10	17	24.9%	45.320	N	151.303	E	33	N			1.3	12	KURIL ISLANDS
06	10	42	41.2*	15.544	S	177.432	W	33	N	4.6	4.6	1.0	28	FIJI ISLANDS REGION
06	11	05	02.2%	44.405	N	7.456	E	5	G			0.2	7	NORTHERN ITALY. ML 2.4 (LDG).
06	11	21	00.6*	18.993	N	146.057	E	33	N	4.6		1.1	29	MARIANA ISLANDS
06	12	32	26.0*	53.677	N	168.414	W	100	G	4.0		1.0	11	FOX ISLANDS, ALEUTIAN ISLANDS
06	12	39	47.5	44.424	N	6.491	E	5	G			0.5	51	FRANCE. ML 3.7 (STR), 3.6 (LDG).
06	12	54	46.0?	30.71	S	71.71	W	70	G			0.3	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
06	13	20	54.5	5.966	S	130.759	E	81	*	4.4		1.0	22	BANDA SEA
06	13	59	25.4?	0.03	N	16.69	W	10	G			1.4	9	NORTH OF ASCENSION ISLAND
06	14	49	43.0%	38.146	N	22.900	E	10	G			1.1	5	GREECE. ML 3.0 (ATH).
06	15	17	35.8%	35.805	N	26.489	E	33	N			0.8	6	CRETE
06	17	07	11.0%	38.255	N	23.592	E	10	G			0.9	5	GREECE. ML 2.8 (ATH).
06	17	19	12.8?	35.49	N	140.37	E	33	N			0.9	5	NEAR EAST COAST OF HONSHU, JAPAN
06	17	29	07.9	11.693	N	85.790	W	117	D	5.1		1.1	212	NICARAGUA. Mw 5.6 (HRV). MD 5.7 (SSS), 5.1 (UPA). Felt (III) at San Salvador, El Salvador.

Centroid, Moment Tensor (HRV): Centroid origin time 17:29:11.1; Lat 11.40 N; Lon 86.19 W; Dep 130.8; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.91, Plg=54, Azm=55; (N) Val=-0.59, Plg=27, Azm=191; (P) Val=-2.32, Plg=21, Azm=292; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=61, Dip=34, Slip=145; NP2: Strike=181, Dip=72, Slip=61.

06	17	47	14.3%	38.124	N	23.499	E	10	G		1.2	9	GREECE. ML 3.3 (ATH).
06	18	30	11.7%	35.046	N	24.277	E	10	G		0.4	5	CRETE
06	19	02	15.5%	33.602	S	71.670	W	40	G		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
06	19	28	41.6?	48.00	S	106.83	E	10	G	4.0	1.1	8	SOUTHEAST INDIAN RIDGE
06	19	50	33.2	57.416	N	120.508	E	33	N	4.5	1.2	30	SOUTHEASTERN SIBERIA, RUSSIA
06	20	06	36.7*	34.993	S	16.876	W	10	G	4.9	1.3	18	SOUTHERN MID-ATLANTIC RIDGE
06	20	24	45.0?	57.36	N	120.24	E	33	N		0.3	5	SOUTHEASTERN SIBERIA, RUSSIA
06	21	00	14.4&	45.818	N	111.084	W	5				37	MONTANA. <BUT-P>. MD 3.7 (BUT). ML 4.0 (GS). Felt at Amsterdam, Belgrade, Bozeman, Gallatin Gateway, Logan, Manhattan and Three Forks.
06	21	06	21.3&	59.983	N	152.715	W	97				82	SOUTHERN ALASKA. <AEIC>.
06	21	43	54.4	13.187	S	174.879	E	33	N	5.3 5.2	0.9	102	FIJI ISLANDS REGION
06	21	53	03.0*	5.852	N	124.094	E	500	G	4.5	0.8	15	MINDANAO, PHILIPPINE ISLANDS
06	22	15	38.9%	38.144	N	2.193	W	5	G		0.4	7	SPAIN. mbLg 2.7 (MDD).
06	22	46	02.9	46.930	N	152.344	E	109	D	4.9	1.0	158	KURIL ISLANDS
06	23	56	23.0*	48.643	S	106.744	E	10	G	4.3	1.0	20	SOUTHEAST INDIAN RIDGE
07	00	19	09.2%	38.426	N	22.205	E	33	N		0.8	6	GREECE. ML 3.0 (ATH).
07	01	37	10.9&	59.890	N	152.862	W	100		3.9		65	SOUTHERN ALASKA. <AEIC>.
07	02	26	54.9?	38.83	S	175.88	E	150	G		0.3	9	NORTH ISLAND, NEW ZEALAND
07	03	39	49.7*	3.790	S	144.549	E	33	N	4.4	0.8	10	NEAR N COAST OF NEW GUINEA, PNG.
07	04	24	24.1&	52.312	N	164.831	W	39		4.8		132	SOUTH OF ALASKA. <AEIC>. ML 4.6 (AEIC), 4.9 (PMR).
07	04	28	34.6*	35.332	N	27.141	E	33	N		1.3	9	DODECANESE ISLANDS
07	05	20	45.0*	44.575	N	149.155	E	33	N	4.8	1.4	28	KURIL ISLANDS
07	05	39	55.0?	38.31	N	22.29	E	5	G		1.7	6	GREECE. ML 3.2 (ATH).
07	06	03	45.3	50.592	N	18.981	E	5	G		1.1	8	POLAND. ML 2.9 (VIE).
07	06	17	37.1&	61.022	N	146.102	W	26				40	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
07	07	11	07.6%	38.672	N	22.663	E	33	N		1.2	9	GREECE. ML 3.4 (ATH).
07	07	43	54.5&	59.994	N	152.979	W	117				17	SOUTHERN ALASKA. <AEIC>.
07	08	07	05.7%	42.959	N	137.622	E	300	G		1.0	8	EASTERN SEA OF JAPAN
07	08	39	13.8*	12.821	N	145.689	E	33	N		0.3	6	SOUTH OF MARIANA ISLANDS
07	08	54	28.3	39.169	N	116.387	W	10	G		0.8	22	NEVADA. ML 3.4 (GS).
07	08	58	28.2&	37.863	N	118.216	W	2				28	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.5 (GS).
07	09	25	12.8	13.138	S	174.909	E	33	N	4.8	1.0	35	FIJI ISLANDS REGION
07	11	25	32.2*	5.697	S	145.831	E	33	N	3.1	0.9	5	EASTERN NEW GUINEA REG., P.N.G.
07	11	43	42.7%	41.936	S	174.102	E	23			0.4	11	COOK STRAIT, NEW ZEALAND. ML 4.0 (WEL).
07	12	54	43.0&	37.622	N	118.891	W	4				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.8 (GS).
07	13	41	01.6	21.917	S	176.840	W	172	D	4.9	0.9	42	FIJI ISLANDS REGION
07	14	07	31.1&	60.330	N	152.177	W	84				52	SOUTHERN ALASKA. <AEIC>.
07	15	00	49.6*	8.366	N	126.623	E	100	G	4.6	1.0	15	MINDANAO, PHILIPPINE ISLANDS
07	15	17	49.8&	37.624	N	118.892	W	4				16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.3 (GS).
07	15	23	16.4?	5.65	S	153.62	E	33	N	3.8	1.4	5	NEW IRELAND REGION, P.N.G.
07	16	32	26.9&	35.746	N	117.622	W	5				30	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
07	16	57	22.1?	35.47	S	178.93	E	200	G	4.5	1.5	18	OFF E. COAST OF N. ISLAND, N.Z.
07	17	02	04.2	5.982	S	150.479	E	60	*	4.4	1.2	36	NEW BRITAIN REGION, P.N.G.
07	17	05	31.4*	21.869	S	176.297	W	100	G	4.8	1.1	38	FIJI ISLANDS REGION
07	18	17	59.2	24.092	S	66.822	W	200	G	4.6	1.1	58	SALTA PROVINCE, ARGENTINA
07	18	52	26.6&	63.190	N	150.448	W	131				14	CENTRAL ALASKA. <AEIC>.
07	19	47	36.4%	36.525	N	22.179	E	33	N		0.6	6	SOUTHERN GREECE. ML 3.5 (ATH).
07	20	06	50.5&	62.506	N	151.223	W	86				18	CENTRAL ALASKA. <AEIC>.
07	20	25	09.6*	14.899	N	119.847	E	33	N	4.5	0.8	17	LUZON, PHILIPPINE ISLANDS
07	22	16	11.9	44.103	N	8.068	E	5	G		0.6	36	NORTHERN ITALY. ML 3.2 (STR), 3.0 (VIE).
07	22	30	04.1	40.312	S	176.547	E	33	N	5.0 4.9	1.1	58	NORTH ISLAND, NEW ZEALAND. ML 5.1 (WEL). Felt in the Hawkes Bay region.
07	22	55	58.4	32.242	N	95.484	E	33	N		0.9	13	XIZANG
07	23	06	40.2	38.255	N	22.235	E	33	N		0.9	6	GREECE. ML 3.6 (ATH).
07	23	26	39.2%	40.369	S	176.512	E	33	N		0.4	8	NORTH ISLAND, NEW ZEALAND. ML 4.1 (WEL).
07	23	29	22.7	44.098	N	8.071	E	5	G		0.8	21	NORTHERN ITALY. ML 2.5 (LDG), 2.3 (STR).
07	23	31	24.9%	44.082	N	8.101	E	5	G		0.5	9	NORTHERN ITALY. ML 2.2 (LDG).
07	23	44	32.7*	34.056	N	137.051	E	347	*		0.9	9	NEAR S. COAST OF HONSHU, JAPAN
08	00	16	36.8*	17.402	S	72.411	W	100	G	4.2	1.2	19	NEAR COAST OF PERU
08	00	23	09.8*	43.106	N	12.653	E	10	G		1.1	24	CENTRAL ITALY. ML 3.4 (VIE), 3.1 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
08	00	31	30.1*	43.178	N	12.532	E	10	G		0.9	17	CENTRAL ITALY. ML 3.1 (VIE), 3.0 (LDG). MD 2.8 (ROM). Felt (III) in the epicentral area.
08	01	56	06.5	44.114	N	7.942	E	10	G		1.1	112	NORTHERN ITALY. ML 4.1 (STR), 4.0 (LDG), 3.7 (FUR). MD 3.7 (ROM).
08	02	06	26.3	44.101	N	7.966	E	5	G		0.6	17	NORTHERN ITALY. ML 2.3 (LDG), 1.9 (STR).
08	02	52	19.2	44.076	N	8.039	E	10	G		0.8	18	NORTHERN ITALY. ML 2.2 (LDG), 2.0 (STR).
08	03	26	58.8	44.413	N	6.545	E	10	G		1.0	25	FRANCE. ML 2.1 (LDG), 2.1 (STR).
08	04	11	20.8&	59.460	N	153.340	W	109				26	SOUTHERN ALASKA. <AEIC>.
08	04	28	34.5	38.292	N	22.299	E	5	G		1.2	13	GREECE. ML 3.6 (ATH).
08	04	31	29.7?	37.70	N	21.52	E	5	G		1.7	5	SOUTHERN GREECE
08	04	31	58.8	44.435	N	6.531	E	10	G		0.7	14	FRANCE. ML 1.9 (LDG), 1.9 (STR).
08	05	16	24.7*	36.455	N	140.973	E	33	N		1.2	12	NEAR EAST COAST OF HONSHU, JAPAN
08	05	16	43.4%	44.471	N	6.446	E	10	G		0.4	8	FRANCE. ML 1.9 (LDG).
08	06	13	37.8&	61.288	N	150.617	W	61				20	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
08	06	23	42.8?	13.44	S	175.37	E	33	N	4.8	1.2	13	FIJI ISLANDS REGION
08	06	24	29.0*	38.538	N	25.673	E	33	N		0.8	7	AEGEAN SEA. MD 3.4 (ISK).
08	07	18	19.8*	15.273	S	167.049	E	33	N	3.9	0.9	11	VANUATU ISLANDS
08	07	55	13.2*	38.141	N	140.708	E	147	?		0.6	7	EASTERN HONSHU, JAPAN
08	09	04	46.8	28.774	N	95.853	E	58	D	4.7	0.9	39	EASTERN XIZANG-INDIA BORDER REG.
08	09	07	04.6*	17.691	N	95.211	W	100	G	3.9	1.1	22	OAXACA, MEXICO
08	09	15	06.8	46.249	N	115.417	W	5	G		0.4	50	WESTERN IDAHO. ML 3.5 (GS), 3.8 (BUT).

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08  10 02 52.6  35.069 N   87.325 E   33 N  6.2 7.9  1.4  344  XIZANG. Mw 7.5 (HRV), 7.4 (GS), 7.1 (OBN). Me 7.4 (GS). Ms
                                                                 7.5 (BRK).
                                                                Broadband Source Parameters (GS): Dep 24; NP1: Strike=350,
                                                                 Dip=85, Slip=179; NP2: Strike=80, Dip=89, Slip=5; Radiated
                                                                 energy 3.1*10**15 Nm. Complex earthquake with at least two
                                                                 larger events occurring about 3 and 6 seconds after the
                                                                 onset. Depth and focal mechanism based on first event.
                                                                Moment Tensor (GS): Dep 38; Principal axes (scale 10**20
                                                                 Nm): (T) Val=1.39, Plg=2, Azm=295; (N) Val=0.08, Plg=88,
                                                                 Azm=87; (P) Val=-1.48, Plg=1, Azm=205; Best double couple:
                                                                 Mo=1.4*10**20 Nm; NP1: Strike=340, Dip=88, Slip=179; NP2:
                                                                 Strike=70, Dip=89, Slip=2.
                                                                Centroid, Moment Tensor (HRV): Centroid origin time
                                                                 10:03:03.4; Lat 35.33 N; Lon 86.96 E; Dep 16.4; Half-
                                                                 duration 14.7 sec; Principal axes (scale 10**20 Nm): (T)
                                                                 Val=2.41, Plg=16, Azm=301; (N) Val=-0.35, Plg=69, Azm=164;
                                                                 (P) Val=-2.05, Plg=14, Azm=35; Best double couple:
                                                                 Mo=2.2*10**20 Nm; NP1: Strike=79, Dip=69, Slip=2; NP2:
                                                                 Strike=348, Dip=88, Slip=159.
                                                                Moment Tensor (OBN): Principal axes: (T) Plg=0, Azm=30^; (N)
                                                                 Plg=90, Azm=0; (P) Plg=0, Azm=39; Best double couple:
                                                                 Mo=5.2*10**19 Nm; NP1: Strike=84, Dip=90, Slip=0; NP2:
                                                                 Strike=354, Dip=90, Slip=180.
                                                                Scalar Moment (PPT): Mo=1.5*10**20 Nm.
08  10 05 25.0& 37.646 N  118.880 W    4                    6  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
08  10 06 30.3? 38.37  N   26.41  E   10 G        1.1      4  AEGEAN SEA. MD 2.8 (ISK).
08  10 11 37.3* 35.270 N   87.650 E   33 N  4.6   0.9     16  XIZANG
08  10 20 19.6% 35.293 N   87.311 E   33 N        0.6      8  XIZANG
08  10 25 56.1& 38.345 N  119.278 W   18                   16  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.4
                                                                 (BRK), 3.3 (GS).
08  10 27 53.7  35.295 N   87.470 E   33 N  4.9   1.0     45  XIZANG
08  10 35 30.3  51.439 N  178.629 W   33 N  4.4   0.9     42  ANDREANOF ISLANDS, ALEUTIAN IS.
08  10 35 50.2  44.097 N    8.083 E    5 G        0.6     14  NORTHERN ITALY. ML 2.5 (LDG), 1.9 (STR).
08  10 57 34.0  29.276 N   68.610 E   33 N  4.5   0.9     16  PAKISTAN
08  11 12 20.7  31.684 S   71.964 W   40 G        1.2     28  NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
08  11 32 02.4* 35.392 N   87.899 E   33 N        1.2     17  XIZANG
08  11 45 31.6& 38.307 N  119.293 W   20                    2  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
08  11 51 23.6  30.305 N   96.930 E   33 N  4.7   0.7     38  XIZANG
08  12 14 37.4  48.220 N  154.382 E   33 N  5.3   0.7    209  KURIL ISLANDS
08  12 19 30.7  51.678 N   16.251 E    5 G        0.9     36  POLAND. ML 4.3 (GRF), 3.9 (VIE).
08  12 55 26.3* 35.073 N   86.715 E   33 N  4.6   1.3     19  XIZANG
08  13 05 54.0*  6.533 N  124.363 E  100 G        1.3      9  MINDANAO, PHILIPPINE ISLANDS
08  13 34 34.3* 12.705 N   87.475 W  200 G  4.2   0.9     22  NEAR COAST OF NICARAGUA
08  14 05 04.4* 35.099 N   87.213 E   33 N  4.7   1.4     13  XIZANG
08  14 09 20.6* 20.827 S  178.661 W  560 ?  4.2   1.1     25  FIJI ISLANDS REGION
08  14 49 26.0& 46.780 N   71.370 W   23                    1  SOUTHERN QUEBEC, CANADA. <OTT-P>. mbLg 2.9 (OTT).
08  14 56 34.2% 44.114 N   12.259 E   10 G        0.6     17  NORTHERN ITALY. ML 2.8 (LDG).
08  15 02 30.3* 22.818 N   62.646 E   33 N        0.8     12  ARABIAN SEA
08  15 22 25.8* 15.399 S  167.194 E  150 G  4.3   0.5     10  VANUATU ISLANDS
08  15 29 47.7* 35.558 N   87.596 E   33 N        1.4     15  XIZANG
08  15 31 54.2  42.901 N   12.939 E   10 G  4.4   1.2    144  CENTRAL ITALY. ML 4.6 (STR), 4.4 (FUR), 4.2 (LDG), 3.8
                                                                 (VIE). MD 3.9 (ROM). Felt (V) in the epicentral area.
08  15 39 23.7* 35.481 N   87.717 E   33 N        1.0      9  XIZANG
08  15 47 58.7* 35.077 N   87.263 E   33 N        1.4     12  XIZANG
08  15 50 55.0* 53.270 N  159.779 E   33 N        0.4      7  NEAR EAST COAST OF KAMCHATKA
08  15 53 39.6% 44.086 N    7.943 E   10 G        0.6      8  NORTHERN ITALY. ML 2.2 (LDG).
08  15 58 36.5? 29.49  S  179.07  W  300 G  3.9   1.3     15  KERMADEC ISLANDS REGION
08  16 03 09.8* 42.785 N   12.906 E   10 G        1.4     18  CENTRAL ITALY. ML 3.6 (VIE). MD 3.5 (ROM). Felt (V) in the
                                                                 epicentral area.
08  16 30 41.6& 32.269 N  115.224 W    6 G                  22  CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. MD 4.0 (ECX).
                                                                 Felt south of Mexicali, Baja California.
08  16 40 41.1  26.301 N   96.033 E  118 *  4.5   1.0     26  MYANMAR
08  16 43 27.1?  5.91  S  146.76  E   74 ?  3.9   0.8      6  EASTERN NEW GUINEA REG., P.N.G.
08  17 08 14.0* 39.268 N   25.931 E   10 G        0.4      5  AEGEAN SEA. MD 2.9 (ISK).
08  17 11 44.1* 35.450 N   87.643 E   33 N        1.0      8  XIZANG
08  17 44 41.2*  5.940 N  125.731 E  150 G  4.5   0.9     22  MINDANAO, PHILIPPINE ISLANDS
08  18 03 34.2* 35.217 N   87.667 E   33 N        0.8     11  XIZANG
08  18 31 32.6  35.273 N   87.780 E   33 N  4.4   0.9     18  XIZANG
08  18 41 15.7? 35.94  N  141.03  E   33 N        1.0      7  NEAR EAST COAST OF HONSHU, JAPAN
08  19 42 33.7*  6.877 S  129.593 E  100 G  4.0   1.2     12  BANDA SEA
08  20 02 12.2? 14.42  N   90.36  W  200 G        1.3     13  GUATEMALA
08  20 03 34.9* 52.067 N  173.772 E   33 N        1.2      9  NEAR ISLANDS, ALEUTIAN ISLANDS
08  20 15 26.5? 13.23  S  175.09  E   33 N  4.4   0.7      7  FIJI ISLANDS REGION
08  20 27 22.4   0.558 N  126.329 E   33 N  4.7   0.9     28  NORTHERN MOLUCCA SEA
08  20 41 56.7* 44.141 N   11.816 E   10 G        0.8     18  NORTHERN ITALY. ML 3.0 (LDG).
08  20 52 38.1? 20.91  S  178.98  W  650 G  4.0   0.9     11  FIJI ISLANDS REGION
08  21 03 27.0* 62.369 N   26.111 W   10 G        1.3      8  ICELAND REGION
08  21 14 58.9  13.284 S  174.849 E   33 N  4.7   1.1     39  FIJI ISLANDS REGION
08  21 23 04.3? 43.96  N   12.65  E   10 G        0.6     12  CENTRAL ITALY. ML 2.7 (LDG).
08  21 29 13.7  44.071 N    8.052 E   10 G        0.6     16  NORTHERN ITALY. ML 2.4 (LDG), 2.0 (STR).
08  22 05 06.6? 21.63  N  143.25  E  300 G        1.2     11  MARIANA ISLANDS REGION
08  23 04 09.2% 45.719 N  150.282 E  100 G        0.4      8  KURIL ISLANDS
08  23 16 23.9* 11.491 N   87.199 W   33 N  4.7 3.7  1.0     35  NEAR COAST OF NICARAGUA
09  00 00 38.0* 10.199 S  116.473 E   33 N  4.2   1.1     11  SOUTH OF SUMBAWA, INDONESIA
09  00 19 10.2? 16.43  N  122.24  E   33 N        1.4     10  LUZON, PHILIPPINE ISLANDS
09  00 24 54.0  33.678 N   88.281 E   33 N  5.1 5.0  1.0  125  XIZANG. Mw 5.3 (HRV).
                                                                Centroid, Moment Tensor (HRV): Centroid origin time
                                                                 00:25:01.2; Lat 33.58 N; Lon 88.56 E; Dep 33.0 Fix; Half-
                                                                 duration 1.1 sec; Principal axes (scale 10**17 Nm): (T)
                                                                 Val=1.16, Plg=16, Azm=295; (N) Val=-0.21, Plg=15, Azm=201;
                                                                 (P) Val=-0.96, Plg=68, Azm=69; Best double couple:
                                                                 Mo=1.1*10**17 Nm; NP1: Strike=46, Dip=32, Slip=-60; NP2:
                                                                 Strike=192, Dip=62, Slip=-107.
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09	00	53	34.1*	13.134	S	174.833	E	33	N	4.6	0.8	20	FIJI ISLANDS REGION
09	01	23	41.8*	4.756	S	152.121	E	92	D		1.3	5	NEW BRITAIN REGION, P.N.G.
09	01	27	47.5	48.256	N	7.775	E	5	G		0.6	18	FRANCE. ML 2.2 (LDG), 2.0 (FBB), 1.9 (STR).
09	01	55	59.0&	63.838	N	149.107	W	123				62	CENTRAL ALASKA. <AEIC>.
09	01	56	58.9*	32.572	N	76.222	E	33	N		1.4	9	KASHMIR-INDIA BORDER REGION
09	02	03	36.3*	31.571	N	132.236	E	33	N		0.7	5	SOUTHEAST OF SHIKOKU, JAPAN
09	02	28	06.6&	60.008	N	153.562	W	143				52	SOUTHERN ALASKA. <AEIC>.
09	03	23	39.6?	38.03	S	176.52	E	200	G		0.3	12	NORTH ISLAND, NEW ZEALAND
09	03	32	18.6?	36.07	N	70.83	E	33	N		0.3	6	HINDU KUSH REGION, AFGHANISTAN
09	03	57	23.7&	32.648	S	71.534	W	20	G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
09	04	18	55.0	35.174	N	87.439	E	33	N	4.8 4.4	1.0	40	XIZANG
09	04	33	35.5	13.077	N	57.570	E	20	D	4.8	1.0	46	ARABIAN SEA
09	05	26	52.9*	6.180	N	126.223	E	160	*	4.8	1.0	27	MINDANAO, PHILIPPINE ISLANDS
09	05	27	13.5	42.037	N	48.673	E	69	D	4.5	1.1	50	CASPIAN SEA
09	06	51	30.1?	30.56	S	71.89	W	50	G		0.4	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
09	07	22	33.5*	13.305	S	174.752	E	17	D	4.8	1.2	38	FIJI ISLANDS REGION
09	07	44	57.9	46.344	N	14.436	E	10	G		0.3	6	NORTHWESTERN BALKAN REGION. ML 2.3 (VIE), 2.2 (LJU). Felt (III) at Preddvor, Slovenia.
09	08	28	54.5*	37.818	S	176.935	E	155		4.2	1.3	25	NORTH ISLAND, NEW ZEALAND
09	08	43	43.3*	34.881	N	86.343	E	33	N		1.1	18	XIZANG
09	09	33	17.2*	19.247	N	145.262	E	93	?	4.4	0.9	20	MARIANA ISLANDS
09	10	15	43.3*	2.747	N	128.374	E	173	D		1.0	13	HALMAHERA, INDONESIA
09	10	18	11.3?	39.10	N	27.57	E	10	G		0.6	4	TURKEY. MD 2.6 (ISK).
09	10	30	37.8?	30.06	S	179.96	W	500	G		0.5	7	KERMADEC ISLANDS REGION
09	10	49	30.8?	31.48	S	70.14	W	130	G		0.5	11	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
09	11	19	58.1&	53.552	N	166.245	W	72				7	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>.
09	12	52	45.8*	17.157	S	166.860	E	33	N	4.1	1.0	11	VANUATU ISLANDS
09	12	53	05.7*	8.383	N	102.889	W	10	G	4.6 4.1	0.9	29	OFF COAST OF MEXICO
09	13	17	28.3&	46.293	N	7.393	E	5	G		1.0	7	SWITZERLAND. ML 2.1 (LDG).
09	13	18	38.7	5.634	S	154.451	E	161	*	4.3	0.9	27	SOLOMON ISLANDS
09	13	58	05.0?	47.06	N	8.54	E	5	G		0.2	5	SWITZERLAND. ML 2.1 (LDG).
09	14	17	11.8*	12.977	S	174.108	E	33	N	4.6	1.0	21	NORTH OF FIJI ISLANDS
09	15	47	31.4*	15.038	S	173.856	W	33	N	4.3	0.6	13	TONGA ISLANDS
09	15	54	18.1?	19.03	S	169.29	E	223	?	3.9	1.4	13	VANUATU ISLANDS
09	16	07	47.8&	27.819	N	142.751	E	33	N		0.8	8	BONIN ISLANDS REGION
09	16	34	48.3	42.888	N	12.926	E	10	G		1.1	63	CENTRAL ITALY. ML 4.1 (STR), 3.8 (LDG). MD 3.6 (ROM). Felt (V) in the epicentral area.
09	16	55	28.4&	35.336	N	86.676	E	33	N		0.3	7	XIZANG
09	17	14	11.2*	43.046	N	12.829	E	10	G		0.6	14	CENTRAL ITALY. ML 3.2 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.
09	17	17	13.0*	17.503	S	178.860	W	550	G	4.7	1.0	41	FIJI ISLANDS REGION
09	17	17	34.5?	33.79	N	71.83	E	33	N	4.3	1.4	11	PAKISTAN
09	17	24	55.6?	9.11	S	115.59	E	33	N	4.0	1.6	6	SOUTH OF BALI, INDONESIA
09	17	42	49.8	35.392	N	27.781	E	33	N		1.3	17	DODECANESE ISLANDS. MD 3.6 (ISK).
09	18	41	04.8*	23.122	S	169.102	E	33	N	4.0	1.2	16	LOYALTY ISLANDS REGION
09	19	00	20.8	51.447	N	178.189	W	33	N	4.7	1.0	75	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PMR).
09	19	06	23.9*	3.310	S	11.722	W	10	G	4.3	1.0	9	NORTH OF ASCENSION ISLAND
09	19	07	33.3	42.903	N	12.948	E	10	G	4.8	1.1	157	CENTRAL ITALY. ML 5.0 (FUR), 5.0 (STR), 4.7 (FBB), 4.5 (LDG). MD 4.4 (ROM). Additional damage (VII) in the Sellano area. Felt as far as Rome and Viterbo.
09	19	20	08.7	8.467	S	107.852	E	72	*	4.2	1.0	21	JAWA, INDONESIA
09	19	20	42.0&	46.539	N	119.704	W	22				34	WASHINGTON. <SEA-P>. MD 2.7 (SEA).
09	20	05	45.9*	43.074	N	12.772	E	10	G		0.8	18	CENTRAL ITALY. ML 3.3 (LDG), 3.3 (VIE). MD 3.1 (ROM). Felt (IV) in the epicentral area.
09	20	16	53.5&	45.866	N	13.982	E	10	G		0.1	5	NORTHERN ITALY. ML 1.8 (LJU).
09	20	23	40.5	30.024	S	71.873	W	28	D	5.2 4.5	0.9	129	NEAR COAST OF CENTRAL CHILE. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:23:41.6; Lat 30.06 S; Lon 72.18 W; Dep 32.1; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.03, Plg=53, Azm=146; (N) Val=-0.09, Plg=24, Azm=19; (P) Val=-0.95, Plg=26, Azm=276; Best double couple: Mo=9.9*10**16 Nm; NP1: Strike=325, Dip=29, Slip=32; NP2: Strike=206, Dip=75, Slip=115.
09	20	24	59.0*	35.113	N	86.527	E	33	N		1.2	16	XIZANG
09	20	36	15.7	38.335	N	22.264	E	33	N	3.9	1.3	38	GREECE. ML 3.8 (ATH).
09	20	44	21.6?	31.60	S	178.49	W	33	N	4.3	1.0	9	KERMADEC ISLANDS REGION
09	20	53	44.9*	38.260	N	22.222	E	10	G		1.8	8	GREECE. ML 2.9 (ATH).
09	21	06	39.8*	42.855	N	12.889	E	10	G		1.1	23	CENTRAL ITALY. ML 3.6 (VIE). MD 3.3 (ROM). Felt (IV) in the epicentral area.
09	21	37	41.0	33.387	N	140.801	E	56	D	4.6	1.0	22	SOUTH OF HONSHU, JAPAN
09	22	21	17.3&	60.446	N	147.806	W	7				48	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
09	22	26	51.0	56.803	N	34.185	W	10	G	4.8 4.3	1.0	84	NORTH ATLANTIC OCEAN
09	22	56	42.7	13.849	N	88.808	W	176		5.6	1.1	364	EL SALVADOR. Mw 6.5 (GS), 6.4 (HRV). Me 5.7 (GS). mb 6.1 (BRK). MD 5.0 (SSS). Felt (IV) at San Salvador. Broadband Source Parameters (GS): Dep 185; NP1: Strike=315, Dip=30, Slip=90; NP2: Strike=135, Dip=60, Slip=90; Radiated energy 6.9*10**12 Nm. Moment Tensor (GS): Dep 184; Principal axes (scale 10**18 Nm): (T) Val=4.98, Plg=67, Azm=47; (N) Val=0.80, Plg=4, Azm=309; (P) Val=-5.78, Plg=23, Azm=217; Best double couple: Mo=5.4*10**18 Nm; NP1: Strike=300, Dip=22, Slip=81; NP2: Strike=130, Dip=68, Slip=94. Centroid, Moment Tensor (HRV): Centroid origin time 22:56:51.3; Lat 13.88 N; Lon 89.30 W; Dep 178.1; Half-duration 3.8 sec; Principal axes (scale 10**18 Nm): (T) Val=4.03, Plg=60, Azm=46; (N) Val=-0.30, Plg=1, Azm=315; (P) Val=-3.73, Plg=30, Azm=224; Best double couple: Mo=3.9*10**18 Nm; NP1: Strike=312, Dip=15, Slip=87; NP2: Strike=135, Dip=75, Slip=91.
09	23	14	24.1?	35.58	N	87.25	E	10	G		1.5	6	XIZANG
09	23	17	36.0	35.149	N	87.217	E	33	N	4.1	0.7	20	XIZANG
09	23	34	59.6&	32.783	S	70.174	W	110	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
10	00	20	26.4?	1.10	S	97.33	E	33	N		0.7	7	SOUTHWEST OF SUMATERA, INDONESIA

10	00	46	15.0&	48.818	N	128.707	W	10	G	3.7		38	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.8 (PGC).
10	00	55	02.9?	37.76	N	20.25	E	10	G		1.6	6	IONIAN SEA. ML 3.6 (ATH).
10	01	09	49.6	35.149	N	86.600	E	33	N	4.9	1.0	22	XIZANG
10	01	10	56.9?	65.19	S	175.93	E	10	G		0.5	6	BALLENY ISLANDS REGION
10	01	33	14.0?	20.74	S	112.46	W	10	G	4.6 4.5	1.4	11	SOUTHERN EAST PACIFIC RISE
10	01	35	43.7&	37.862	N	118.210	W	1				35	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.7 (GM). ML 3.8 (BRK), 3.8 (GS).
10	02	07	28.2	10.433	N	62.949	W	10	G	4.8	1.1	86	NEAR COAST OF VENEZUELA. MD 4.5 (TRN).
10	02	29	17.2&	33.137	S	71.438	W	50	G		1.0	11	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
10	03	04	18.0?	30.75	S	71.76	W	60	G		0.3	11	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
10	03	47	14.1?	30.51	S	71.92	W	50	G		0.4	11	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
10	04	26	37.0&	37.844	N	118.226	W	0				16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.2 (GS).
10	04	55	16.1&	60.214	N	153.063	W	124				51	SOUTHERN ALASKA. <AEIC>.
10	05	04	01.6	37.832	N	118.200	W	5	G		0.6	11	CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (GS).
10	05	31	07.2?	17.36	N	61.59	W	33	N		0.6	4	LEEWARD ISLANDS. MD 2.5 (TRN).
10	05	40	01.8	37.847	N	118.180	W	5	G		0.4	14	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (GS).
10	05	54	06.7	44.408	N	6.574	E	10	G		0.8	27	FRANCE. ML 2.3 (GEN), 2.0 (LDG), 2.0 (STR).
10	06	21	24.3*	6.658	S	128.631	E	300	G	4.4	1.5	13	BANDA SEA
10	06	31	34.8?	24.28	N	89.41	E	33	N		1.5	8	BANGLADESH
10	07	24	43.2*	56.627	N	34.440	W	10	G	4.1	1.1	10	NORTH ATLANTIC OCEAN
10	07	26	47.5&	35.973	N	3.008	W	10	G		0.4	7	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
10	07	33	53.8&	60.085	N	152.262	W	83				50	SOUTHERN ALASKA. <AEIC>.
10	08	21	22.3&	37.263	N	3.713	W	10	G		0.4	5	SPAIN. mbLg 2.7 (MDD).
10	08	30	56.2?	17.50	N	61.86	W	33	N		0.1	4	LEEWARD ISLANDS. MD 2.5 (TRN).
10	09	16	39.8	13.012	S	174.797	E	33	N	4.8	0.6	30	FIJI ISLANDS REGION
10	09	51	34.9?	53.42	N	144.51	E	33	N	4.1	1.3	6	SEA OF OKHOTSK
10	09	57	01.1?	31.60	S	69.57	W	100	G		0.9	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (SAN).
10	09	58	45.1	31.066	S	71.539	W	33	N		0.5	13	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
10	10	23	05.5*	35.434	N	87.110	E	33	N		1.4	15	XIZANG
10	10	54	16.3	35.176	N	87.206	E	33	N		0.7	15	XIZANG
10	11	03	31.1*	35.211	N	27.799	E	10	G		1.2	10	DODECANESE ISLANDS. MD 3.7 (ISK).
10	11	34	35.1&	59.946	N	153.156	W	107				76	SOUTHERN ALASKA. <AEIC>.
10	12	02	55.2	35.359	N	27.781	E	10	G	4.2	1.2	35	DODECANESE ISLANDS. ML 4.3 (ATH). MD 4.1 (ISK).
10	12	13	47.6*	18.236	S	177.891	W	600	G	4.2	1.1	14	FIJI ISLANDS REGION
10	12	26	12.8	43.357	N	12.400	E	10	G		1.1	19	CENTRAL ITALY. ML 3.5 (VIE), 3.0 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.
10	12	47	33.9	0.050	N	16.893	W	10	G	5.6 5.2	1.0	235	NORTH OF ASCENSION ISLAND. Mw 5.6 (GS), 5.6 (HRV). Moment Tensor (GS): Dep 3; Principal axes (scale 10**17 Nm): (T) Val=2.89, Plg=12, Azm=75; (N) Val=-0.12, Plg=32, Azm=338; (P) Val=-2.77, Plg=56, Azm=183; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=199, Dip=43, Slip=-40; NP2: Strike=320, Dip=64, Slip=-126. Centroid, Moment Tensor (HRV): Centroid origin time 12:47:38.4; Lat 0.25 N; Lon 16.84 W; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=3.08, Plg=9, Azm=67; (N) Val=0.24, Plg=25, Azm=332; (P) Val=-3.32, Plg=63, Azm=175; Best double couple: Mo=3.2*10**17 Nm; NP1: Strike=183, Dip=42, Slip=-51; NP2: Strike=316, Dip=59, Slip=-119.
10	12	47	40.2&	44.125	N	7.918	E	5	G		0.5	8	NORTHERN ITALY. ML 2.0 (GEN).
10	13	48	53.8	44.273	N	6.499	E	5	G		0.4	18	FRANCE. ML 2.3 (LDG), 2.0 (GEN).
10	14	13	05.6	30.972	S	71.258	W	63	D	4.9	1.0	38	NEAR COAST OF CENTRAL CHILE. MD 4.8 (SAN). Felt (V) at Punitaqui; (IV) at Canela, Combarbala, Hurtado, Illapel. Monte Patria, Ovalle and Salamanca; (II) at La Serena.
10	14	33	32.6*	36.373	N	22.094	E	33	N		1.0	11	SOUTHERN GREECE. ML 3.4 (ATH).
10	15	27	22.3&	44.456	N	7.313	E	5	G		0.1	5	NORTHERN ITALY. ML 1.7 (GEN).
10	15	32	04.9&	62.524	N	148.982	W	49				71	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
10	15	47	04.4&	62.265	N	124.578	W	0		4.0		39	NORTHWEST TERRITORIES, CANADA. <PGC-P>. mbLg 4.0 (PGC).
10	16	02	15.0*	16.069	N	119.952	E	33	N	4.0	0.9	8	LUZON, PHILIPPINE ISLANDS
10	16	02	50.8&	37.645	N	118.864	W	4				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK), 3.0 (GS).
10	16	13	04.9	50.222	N	10.199	E	10	G		1.2	22	GERMANY. ML 3.3 (LDG), 3.3 (STR), 3.2 (FBB), 3.2 (VIE), 2.9 (CLL).
10	16	28	51.0&	36.318	N	88.835	E	33	N		0.5	6	SOUTHERN XINJIANG, CHINA
10	16	36	58.4	37.861	N	118.160	W	5	G		0.9	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (GS), 3.3 (BRK).
10	16	37	09.5?	10.93	S	119.02	E	33	N	3.8	1.3	7	SUMBA REGION, INDONESIA
10	17	07	06.9&	37.882	N	1.286	W	10	G		0.9	13	SPAIN. mbLg 3.5 (MDD). Felt (III) in the Murcia area.
10	17	08	18.7?	37.33	S	179.40	E	33	N	4.2	0.7	10	OFF E. COAST OF N. ISLAND, N.Z.
10	17	08	52.4	43.089	N	12.767	E	10	G		1.2	32	CENTRAL ITALY. ML 3.9 (VIE), 3.5 (LDG). MD 3.6 (ROM). Felt (V) in the epicentral area.
10	17	17	20.7&	38.383	N	22.185	E	10	G		1.5	5	GREECE. ML 3.0 (ATH).
10	17	23	32.3?	51.20	N	15.93	E	5	G		0.3	4	POLAND
10	17	39	08.1&	40.076	N	9.197	W	10	G		0.6	8	PORTUGAL. mbLg 3.4 (MDD).
10	17	47	25.1	54.935	N	123.755	E	33	N	4.5	1.3	29	SOUTHEASTERN SIBERIA, RUSSIA. Felt (III) at Tynda.
10	17	56	55.8&	10.393	N	61.202	W	33	N		0.2	6	TRINIDAD. MD 3.0 (TRN).
10	18	49	50.5&	59.742	N	153.186	W	111				63	SOUTHERN ALASKA. <AEIC>.
10	19	04	24.7	12.361	N	145.577	E	69		5.2 5.1	1.0	133	SOUTH OF MARIANA ISLANDS. Mw 5.5 (GS), 5.5 (HRV). Felt (III) in the southern part of Guam. Moment Tensor (GS): Dep 38; Principal axes (scale 10**17 Nm): (T) Val=1.63, Plg=74, Azm=139; (N) Val=0.06, Plg=10, Azm=12; (P) Val=-1.69, Plg=12, Azm=280; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=357, Dip=34, Slip=72; NP2: Strike=198, Dip=58, Slip=101. Centroid, Moment Tensor (HRV): Centroid origin time 19:04:23.3; Lat 12.07 N; Lon 145.97 E; Dep 42.9; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.87, Plg=72, Azm=112; (N) Val=-0.07, Plg=4, Azm=11; (P) Val=-1.80, Plg=18, Azm=280; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=5, Dip=27, Slip=82; NP2: Strike=193, Dip=63, Slip=94.
10	19	35	54.3*	42.800	N	12.931	E	10	G		1.1	17	CENTRAL ITALY. MD 3.4 (ROM). ML 3.4 (VIE). Felt (IV) in the epicentral area.

10	20	50	36.9*	35.238	N	27.664	E	10	G		1.1	7	DODECANESE ISLANDS
10	20	52	01.7*	6.981	S	126.953	E	426	*	4.4	1.1	14	BANDA SEA
10	21	05	21.8*	52.840	S	26.367	E	10	G	4.7	1.0	16	SOUTH OF AFRICA
10	21	05	46.4*	9.566	S	73.928	W	33	N		0.9	11	PERU-BRAZIL BORDER REGION
10	21	08	10.9?	11.90	N	125.72	E	33	N	4.4	0.9	7	SAMAR, PHILIPPINE ISLANDS
10	22	16	27.0*	13.121	S	174.763	E	33	N	4.6	0.9	27	FIJI ISLANDS REGION
10	22	20	56.0	42.887	N	12.910	E	10	G		1.1	61	CENTRAL ITALY. ML 3.7 (VIE), 3.3 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
10	22	22	34.6	42.907	N	12.853	E	10	G	4.1	1.2	42	CENTRAL ITALY. ML 4.2 (VIE), 3.5 (LDG). MD 3.6 (ROM). Felt (V) in the epicentral area.
10	23	05	24.9&	37.632	N	118.867	W	9				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.3 (BRK), 3.0 (GS).
10	23	06	44.3	31.187	N	140.486	E	86	D	5.8	0.9	423	SOUTH OF HONSHU, JAPAN. Mw 6.2 (GS), 6.2 (HRV). Me 5.6 (GS). Felt (II JMA) in southern Chiba Prefecture and on Hachijo-jima. Broadband Source Parameters (GS): Dep 60; NP1: Strike=7, Dip=88, Slip=-60; NP2: Strike=100, Dip=30, Slip=-176; Radiated energy 6.5*10**12 Nm. Moment Tensor (GS): Dep 63; Principal axes (scale 10**18 Nm): (T) Val=1.91, Plg=50, Azm=99; (N) Val=-0.08, Plg=2, Azm=7; (P) Val=-1.83, Plg=40, Azm=276; Best double couple: Mo=1.9*10**18 Nm; NP1: Strike=348, Dip=5, Slip=71; NP2: Strike=188, Dip=85, Slip=92. Centroid, Moment Tensor (HRV): Centroid origin time 23:06:45.8; Lat 31.27 N; Lon 140.63 E; Dep 63.2; Half-duration 2.9 sec; Principal axes (scale 10**18 Nm): (T) Val=1.94, Plg=49, Azm=81; (N) Val=0.01, Plg=12, Azm=185; (P) Val=-1.95, Plg=39, Azm=284; Best double couple: Mo=1.9*10**18 Nm; NP1: Strike=71, Dip=13, Slip=157; NP2: Strike=184, Dip=85, Slip=78. Scalar Moment (PPT): Mo=4.0*10**18 Nm.
11	00	09	20.7*	42.800	N	12.852	E	10	G		1.3	15	CENTRAL ITALY. ML 3.4 (VIE), 3.2 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
11	00	38	51.2&	60.173	N	153.139	W	117				36	SOUTHERN ALASKA. <AEIC>.
11	00	54	23.4*	35.212	N	87.554	E	33	N		1.5	10	XIZANG
11	00	54	38.5&	44.103	N	7.931	E	10	G		0.2	6	NORTHERN ITALY. ML 1.7 (GEN).
11	01	33	53.3?	35.72	N	27.11	E	10	G		1.3	4	DODECANESE ISLANDS
11	01	54	15.4*	53.219	N	157.480	E	250	G	4.0	1.3	15	KAMCHATKA
11	02	00	36.5	13.192	S	174.864	E	33	N	5.3 5.1	0.9	110	FIJI ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:00:35.2; Lat 13.21 S; Lon 175.50 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.81, Plg=21, Azm=199; (N) Val=0.23, Plg=21, Azm=297; (P) Val=-2.03, Plg=59, Azm=69; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=256, Dip=31, Slip=-136; NP2: Strike=126, Dip=69, Slip=-67.
11	02	11	33.9*	27.568	N	142.897	E	33	N	4.2	1.4	11	BONIN ISLANDS REGION
11	02	28	25.0?	8.51	S	108.10	W	10	G	4.5	1.0	12	CENTRAL EAST PACIFIC RISE
11	03	06	23.0&	63.057	N	150.724	W	123		4.0		91	CENTRAL ALASKA. <AEIC>.
11	03	26	15.8*	2.993	S	142.197	E	33	N	3.8	1.1	10	NEAR N COAST OF NEW GUINEA, PNG.
11	03	32	21.7	40.397	N	26.415	E	10	G		1.4	9	TURKEY. MD 3.4 (ISK).
11	03	34	29.3	40.469	N	26.375	E	10	G		0.3	7	TURKEY. MD 3.6 (ISK).
11	03	43	06.0	31.130	N	140.449	E	82	D	5.0	0.8	62	SOUTH OF HONSHU, JAPAN
11	03	47	09.8*	26.423	N	95.194	E	103	?	4.0	0.8	13	MYANMAR-INDIA BORDER REGION
11	04	29	17.9*	35.120	N	87.317	E	33	N		0.9	7	XIZANG
11	05	43	46.5*	33.282	S	69.983	W	120	G		0.3	12	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
11	06	07	15.7&	34.499	N	86.000	E	33	N		1.3	7	XIZANG
11	06	39	31.4?	17.95	S	178.04	W	550	G	4.0	0.3	10	FIJI ISLANDS REGION
11	06	56	22.8&	37.633	N	118.867	W	8				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
11	07	28	59.5?	32.33	S	71.65	W	50	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
11	07	33	17.4?	47.86	N	7.28	E	5	G		0.3	4	SWITZERLAND. ML 2.2 (LDG).
11	08	13	56.5	15.993	S	174.023	W	33	N	4.8	0.9	49	TONGA ISLANDS
11	09	15	18.6?	17.89	N	61.29	W	33	N		1.2	8	LEEWARD ISLANDS. MD 3.7 (TRN).
11	10	07	40.6&	49.570	N	6.103	E	5	G		0.9	5	GERMANY. ML 2.4 (LDG).
11	10	09	00.1	28.672	N	142.433	E	33	N	4.9 4.8	0.9	89	BONIN ISLANDS REGION
11	10	29	07.2?	7.68	S	116.86	E	198	*	4.4	1.3	9	BALI SEA
11	11	30	20.4?	40.11	N	28.74	E	10	G		0.7	4	TURKEY. MD 2.5 (ISK).
11	11	57	43.1*	29.796	S	71.780	W	50	G		0.6	12	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
11	12	26	17.1*	16.620	S	128.233	E	10	G		1.5	5	WESTERN AUSTRALIA
11	13	13	11.2?	13.18	S	174.80	E	33	N	4.7	1.4	13	FIJI ISLANDS REGION
11	13	36	40.0&	18.781	N	119.955	E	32	D		0.5	6	PHILIPPINE ISLANDS REGION
11	13	50	54.1?	39.27	N	27.69	E	10	G		0.4	4	TURKEY. MD 2.6 (ISK).
11	14	06	32.8*	18.720	N	119.925	E	33	D	4.2	0.9	13	PHILIPPINE ISLANDS REGION
11	14	21	09.1?	34.11	N	138.96	E	33	N		0.8	4	NEAR S. COAST OF HONSHU, JAPAN
11	15	22	32.9?	5.57	S	146.94	E	174	*	4.2	1.0	8	EASTERN NEW GUINEA REG., P.N.G.
11	16	27	03.3	6.624	S	127.843	E	388		4.7	0.9	32	BANDA SEA
11	16	29	09.5&	33.492	N	118.061	W	6	G			23	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
11	17	09	16.8&	62.130	N	149.721	W	45				48	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).
11	17	32	16.3	31.168	N	140.447	E	84	D	5.0	0.9	97	SOUTH OF HONSHU, JAPAN
11	17	42	38.1	6.091	S	105.384	E	33	N	4.9	1.2	43	SUNDA STRAIT
11	18	46	58.0&	19.494	N	122.038	E	33	N		1.5	9	PHILIPPINE ISLANDS REGION
11	19	20	59.4*	46.087	S	34.878	E	10	G	4.7	1.0	11	PRINCE EDWARD ISLANDS REGION
11	19	32	17.9?	9.20	S	111.78	E	33	N	4.3	1.4	5	SOUTH OF JAWA, INDONESIA
11	19	45	28.9	36.875	N	5.482	E	10	G		1.0	23	NORTHERN ALGERIA
11	19	59	49.2	43.553	N	146.953	E	84	D	5.1	0.8	169	KURIL ISLANDS. Felt (IV) on Shikotan and (III) at Yuzhno-Kurilsk, Kunashir.
11	20	21	17.9&	46.219	N	7.705	E	5	G		1.0	5	SWITZERLAND. ML 2.1 (LDG).
11	20	33	52.5	37.891	N	118.150	W	5	G		0.9	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (GS), 3.5 (BRK).
11	20	48	07.1	37.896	N	118.211	W	5	G		0.7	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (GS), 3.3 (BRK).
11	21	15	20.2*	46.877	N	154.550	E	33	N		1.1	11	EAST OF KURIL ISLANDS
11	21	16	39.5&	64.698	N	143.098	W	22				62	CENTRAL ALASKA. <AEIC>. ML 4.0 (AEIC), 4.2 (PMR).
11	21	19	09.2?	12.92	S	174.65	E	33	N	4.6	0.9	12	NORTH OF FIJI ISLANDS
11	21	46	44.4	31.173	N	130.376	E	157	D	4.6	1.0	33	KYUSHU, JAPAN

11	22	22	42.9	35.360	N	87.881	E	33	N	4.6	4.6	1.0	41	XIZANG
11	22	32	34.1&	45.851	N	120.565	W	13					58	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.8 (SEA).
11	22	37	10.4	35.739	N	28.630	E	10	G	4.2		1.3	35	EASTERN MEDITERRANEAN SEA. MD 3.7 (ISK).
11	22	42	21.0%	11.139	N	61.051	W	10	G			0.6	7	WINDWARD ISLANDS. MD 2.8 (TRN).
11	22	42	51.8*	2.727	S	28.912	E	10	G	4.7		1.1	9	LAKE TANGANYIKA REGION
11	23	06	07.2	45.692	N	26.942	E	68	?			0.8	10	ROMANIA
11	23	36	34.2*	36.927	N	27.589	E	10	G			0.6	5	DODECANESE ISLANDS
11	23	41	20.0%	38.354	N	22.207	E	10	G			1.0	5	GREECE. ML 3.0 (ATH).
11	23	49	07.4*	36.904	N	27.577	E	10	G			0.7	5	DODECANESE ISLANDS
11	23	57	42.9?	27.53	N	140.54	E	400	G	4.1		1.4	14	BONIN ISLANDS REGION
11	23	58	41.2*	32.847	N	131.108	E	33	N	4.4		1.6	11	KYUSHU, JAPAN
12	00	09	34.8	21.597	N	121.487	E	85	*	5.0		1.2	85	TAIWAN REGION
12	00	25	00.9*	17.214	S	178.549	W	550	G	4.0		0.3	11	FIJI ISLANDS REGION
12	00	26	24.5%	36.910	N	27.572	E	10	G			0.7	5	DODECANESE ISLANDS. MD 3.2 (ISK).
12	01	34	28.8*	34.935	N	86.353	E	33	N			1.1	9	XIZANG
12	01	42	24.5*	0.763	S	136.576	E	33	N	4.1		1.4	15	IRIAN JAYA REGION, INDONESIA
12	01	57	21.0	18.726	N	119.875	E	33	N	4.4		0.9	23	PHILIPPINE ISLANDS REGION
12	02	01	41.3?	24.18	S	175.65	W	46	D	4.0		0.9	6	SOUTH OF TONGA ISLANDS
12	02	12	02.4?	30.53	S	71.94	W	50	G			0.3	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
12	02	45	30.3	36.228	N	27.623	E	102		3.8		1.2	36	DODECANESE ISLANDS
12	02	59	02.4*	6.301	S	150.938	E	33	N	4.3		1.4	13	NEW BRITAIN REGION, P.N.G.
12	03	26	37.5	35.598	S	105.038	W	10	G	5.0	4.9	1.0	100	SOUTHERN EAST PACIFIC RISE. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:26:44.2; Lat 35.50 S; Lon 104.80 W; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.99, Plg=2, Azm=46; (N) Val=-0.74, Plg=80, Azm=307; (P) Val=-2.26, Plg=10, Azm=136; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=181, Dip=82, Slip=-6; NP2: Strike=272, Dip=84, Slip=-172.
12	04	07	12.7%	36.562	N	5.088	W	33	N			0.9	12	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
12	04	20	22.6?	45.65	N	27.04	E	150	G			1.4	4	ROMANIA
12	04	22	31.4*	13.130	S	166.508	E	33	N	4.7		1.3	29	VANUATU ISLANDS
12	04	23	28.0*	13.045	S	174.732	E	33	N	4.6		0.6	9	FIJI ISLANDS REGION
12	04	52	48.8*	35.132	S	104.655	W	10	G	4.6		1.1	17	SOUTHERN PACIFIC OCEAN
12	05	03	48.0%	46.196	N	2.803	E	5	G			0.2	5	FRANCE. ML 1.6 (LDG).
12	05	10	02.2%	28.203	N	15.066	W	10	G			1.3	5	CANARY ISLANDS REGION
12	05	16	38.8%	36.632	N	5.127	W	33	N			1.0	16	STRAIT OF GIBRALTAR. mbLg 3.5 (MDD).
12	06	06	47.0	22.502	S	66.191	W	253		4.5		1.0	37	JUJUY PROVINCE, ARGENTINA
12	06	12	21.4?	18.00	S	178.24	W	550	G			1.1	10	FIJI ISLANDS REGION
12	06	19	46.5%	44.636	N	6.998	E	10	G			0.3	5	FRANCE. ML 1.8 (GEN).
12	06	23	32.4&	61.214	N	151.173	W	62					65	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.1 (PMR).
12	07	14	14.9?	30.52	S	71.81	W	70	G			0.2	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
12	07	26	22.2	9.088	S	118.782	E	33	N			0.8	7	SUMBAWA REGION, INDONESIA
12	07	36	38.5*	25.562	S	179.121	E	550	G	4.5		0.6	20	SOUTH OF FIJI ISLANDS
12	07	38	07.6*	3.570	S	140.128	E	100	G	3.4		0.7	7	IRIAN JAYA, INDONESIA
12	07	40	42.1*	26.385	N	127.348	E	33	N	4.0		1.3	15	RYUKYU ISLANDS
12	08	56	15.6*	35.867	N	4.463	W	50	G			1.2	21	STRAIT OF GIBRALTAR
12	09	06	50.3&	58.755	N	150.205	W	58					49	GULF OF ALASKA. <AEIC>. ML 2.7 (AEIC).
12	09	19	29.1%	47.807	N	2.512	W	5	G			0.5	7	FRANCE. ML 2.7 (LDG).
12	11	28	06.6&	62.960	N	150.390	W	98					17	CENTRAL ALASKA. <AEIC>.
12	11	48	16.2%	38.177	N	27.823	E	10	G			1.0	5	TURKEY. MD 2.8 (ISK).
12	11	49	29.6?	39.19	N	27.74	E	10	G			0.9	4	TURKEY. MD 2.6 (ISK).
12	11	52	59.4*	12.582	S	174.538	E	33	N	4.5		1.0	14	NORTH OF FIJI ISLANDS
12	12	34	29.5	42.890	N	12.870	E	10	G			1.0	21	CENTRAL ITALY. ML 3.8 (VIE), 3.3 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
12	13	21	14.6*	33.268	S	68.868	W	5	G			0.6	11	MENDOZA PROVINCE, ARGENTINA. MD 3.7 (SAN).
12	13	24	31.2?	21.96	S	113.02	W	10	G			1.4	6	SOUTHERN EAST PACIFIC RISE
12	14	19	52.0	21.947	S	179.605	W	600	G	4.7		0.8	98	FIJI ISLANDS REGION
12	14	21	57.1	62.447	N	124.706	W	10	G			1.1	13	NORTHWEST TERRITORIES, CANADA
12	14	32	39.2%	37.107	N	5.290	W	10	G			0.9	9	SPAIN. mbLg 3.0 (MDD).
12	15	01	04.4	48.015	N	5.908	E	10	G			0.7	8	FRANCE. ML 2.5 (LDG).
12	15	24	28.2*	43.305	N	12.145	E	10	G			0.9	7	CENTRAL ITALY. ML 3.4 (VIE), 3.2 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
12	15	24	29.9	44.698	N	141.426	E	250	*	4.3		1.0	23	HOKKAIDO, JAPAN REGION
12	16	03	46.9*	55.358	S	28.254	W	33	N	4.5		0.5	18	SOUTH SANDWICH ISLANDS REGION
12	16	26	58.7	39.342	N	20.234	E	32		4.8	4.6	1.4	203	GREECE-ALBANIA BORDER REGION. ML 4.8 (ROM), 4.6 (THE). Felt in northwestern Greece.
12	18	17	25.6?	31.41	S	72.05	W	20	G			0.6	9	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
12	19	33	45.1	13.135	S	174.846	E	33	N	4.8		0.7	42	FIJI ISLANDS REGION
12	20	33	46.5?	27.36	N	140.22	E	450	G	3.9		0.4	8	BONIN ISLANDS REGION
12	21	04	11.5	19.560	N	146.740	E	33	N	4.7	4.5	1.2	47	MARIANA ISLANDS REGION
12	21	36	13.9*	31.790	N	41.010	W	10	G	4.8		1.0	33	NORTHERN MID-ATLANTIC RIDGE
12	21	54	14.6	13.703	N	89.356	W	89		4.8		1.1	114	EL SALVADOR. MD 4.6 (SSS). Felt (IV) at San Salvador.
12	21	57	40.4%	4.887	S	80.268	W	33	N			1.1	11	PERU-ECUADOR BORDER REGION
12	22	03	06.7	43.304	N	137.554	E	276	D	4.9		0.7	183	EASTERN SEA OF JAPAN
12	22	36	47.3	24.234	N	121.874	E	33	N	4.3		0.6	22	TAIWAN. Felt (III JMA) at Nan-ao. Felt in northern and eastern Taiwan.
13	00	07	31.4*	28.609	N	128.900	E	149	*	4.2		1.5	15	RYUKYU ISLANDS
13	00	14	59.3*	42.893	N	12.769	E	10	G			1.3	16	CENTRAL ITALY. ML 3.2 (VIE), 3.1 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.
13	00	48	45.7	43.312	N	20.351	E	10	G	4.3		1.3	164	NORTHWESTERN BALKAN REGION. ML 4.7 (THE), 4.4 (ROM).
13	00	50	37.8	15.833	S	173.449	W	33	N	4.9	4.6	0.8	77	TONGA ISLANDS
13	01	20	16.4&	60.030	N	152.872	W	100					29	SOUTHERN ALASKA. <AEIC>.
13	01	42	52.7%	11.101	N	62.074	W	33	N			0.5	7	WINDWARD ISLANDS. MD 3.2 (TRN).
13	02	08	14.2	4.066	N	125.675	E	180	*	4.9		1.0	47	TALAUD ISLANDS, INDONESIA
13	02	16	01.8*	34.660	N	24.147	E	33	N			1.3	17	CRETE
13	02	55	38.7	7.382	S	106.802	E	80		4.5		0.8	30	JAWA, INDONESIA. Felt (III) at Sukabumi.
13	03	21	33.1	43.449	N	146.227	E	60		5.0		0.8	150	KURIL ISLANDS. Felt (III JMA) in the Kushiro area, Hokkaido and (II JMA) in other parts of eastern Hokkaido. Also felt (II) at Yuzhno-Kurilsk, Kunashir.
13	04	29	59.1	46.223	N	6.372	E	5	G			1.1	15	SWITZERLAND. ML 2.6 (LDG), 2.5 (STR).
13	04	46	33.0*	20.129	S	174.234	W	33	N	4.4		1.0	16	TONGA ISLANDS
13	04	53	24.6	48.156	N	7.666	E	10	G			0.4	8	FRANCE. ML 2.2 (LDG), 1.7 (FBB).

13	05	33	54.0	6.342	S	154.819	E	33	N	5.6	5.3	1.0	233	SOLOMON ISLANDS. Mw 5.5 (GS), 5.5 (HRV). Moment Tensor (GS): Dep 41; Principal axes (scale 10**17 Nm): (T) Val=1.64, Plg=81, Azm=140; (N) Val=0.11, Plg=8, Azm=336; (P) Val=-1.75, Plg=2, Azm=246; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=327, Dip=43, Slip=78; NP2: Strike=164, Dip=48, Slip=101. Centroid, Moment Tensor (HRV): Centroid origin time 05:33:58.7; Lat 6.65 S; Lon 154.89 E; Dep 55.0 Bdy; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.96, Plg=83, Azm=22; (N) Val=-0.14, Plg=4, Azm=147; (P) Val=-1.82, Plg=5, Azm=237; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=332, Dip=40, Slip=96; NP2: Strike=144, Dip=51, Slip=85.
13	05	35	56.4?	30.93	S	71.74	W	33	N			0.3	10	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
13	05	55	03.9&	59.550	N	153.066	W	114					22	SOUTHERN ALASKA. <AEIC>.
13	06	12	13.8	51.429	N	177.723	W	33	N	4.9		0.9	145	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.1 (PMR).
13	06	29	28.4?	15.45	S	173.43	W	33	N	4.3		1.5	11	TONGA ISLANDS
13	07	12	16.2&	63.207	N	148.155	W	79					45	CENTRAL ALASKA. <AEIC>.
13	08	00	39.0*	6.309	S	155.010	E	33	N	4.1		1.4	13	SOLOMON ISLANDS
13	08	12	27.6	44.316	N	7.341	E	10	G			0.6	18	NORTHERN ITALY. ML 2.3 (GEN), 2.0 (LDG).
13	08	14	02.8%	43.971	N	7.589	E	10	G			0.5	8	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN).
13	08	26	55.1?	39.79	N	28.57	E	10	G			0.2	4	TURKEY. MD 2.6 (ISK).
13	08	28	11.1%	44.359	N	7.470	E	10	G			0.6	5	NORTHERN ITALY. ML 1.7 (GEN).
13	09	21	44.1	0.098	S	122.908	E	170		4.8		1.1	83	MINAHASSA PENINSULA, SULAWESI
13	09	38	56.7&	65.749	N	147.925	W	0					13	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
13	09	56	24.0	27.748	N	142.729	E	33	N	4.7		1.2	47	BONIN ISLANDS REGION
13	09	58	35.4*	35.066	N	86.948	E	33	N	4.6	4.5	1.4	26	XIZANG
13	10	12	52.3*	35.259	N	87.551	E	33	N	3.7		1.1	16	XIZANG
13	10	30	20.3	37.095	N	21.477	E	51	*	4.2		0.6	16	SOUTHERN GREECE
13	10	52	02.5%	71.262	N	3.666	W	10	G			1.5	7	JAN MAYEN ISLAND REGION
13	12	35	07.4	37.620	N	118.952	W	5	G			0.3	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (GS), 3.2 (BRK), 3.1 (GM).
13	12	50	29.7&	37.646	N	118.900	W	6					16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM).
13	13	17	15.7?	39.28	N	27.64	E	10	G			0.3	4	TURKEY. MD 2.6 (ISK).
13	13	26	25.2*	30.099	S	71.691	W	50	G			0.7	11	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
13	13	26	58.7&	37.647	N	118.901	W	6					11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (GS).
13	14	02	13.4&	63.280	N	151.667	W	26					44	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
13	14	11	30.2?	18.41	S	173.61	W	33	N	4.1		0.9	8	TONGA ISLANDS
13	14	20	04.0*	18.587	N	122.350	E	33	N	4.4		1.1	20	LUZON, PHILIPPINE ISLANDS
13	14	31	56.2*	5.075	S	151.650	E	33	N	4.8		1.0	15	NEW BRITAIN REGION, P.N.G.
13	14	37	35.7	49.933	N	7.612	E	5	G			0.5	8	GERMANY. ML 2.3 (STR), 2.1 (DBN).
13	14	39	09.9	44.252	N	7.534	E	10	G			0.9	14	NORTHERN ITALY. ML 2.7 (LDG), 2.5 (STR).
13	15	35	30.0*	11.775	N	125.321	E	33	N	4.2		1.1	17	SAMAR, PHILIPPINE ISLANDS
13	16	01	19.8	11.170	N	43.569	W	10	G	4.7		1.0	25	NORTHERN MID-ATLANTIC RIDGE
13	16	09	12.9*	11.488	N	43.861	W	10	G	4.6		1.5	11	NORTHERN MID-ATLANTIC RIDGE
13	16	13	36.2*	11.154	N	43.698	W	10	G	4.7		1.1	17	NORTHERN MID-ATLANTIC RIDGE
13	16	15	47.3?	11.15	N	43.59	W	10	G	4.7		0.6	8	NORTHERN MID-ATLANTIC RIDGE
13	16	30	54.8?	11.27	N	43.59	W	10	G			1.3	7	NORTHERN MID-ATLANTIC RIDGE
13	16	41	42.2&	45.817	N	111.087	W	6					21	MONTANA. <BUT-P>. ML 3.4 (BUT).
13	16	57	29.3	11.234	N	43.604	W	10	G	4.8		0.7	36	NORTHERN MID-ATLANTIC RIDGE
13	17	56	20.1	33.607	N	139.633	E	115	D	4.9		0.8	137	SOUTH OF HONSHU, JAPAN. Felt (II JMA) in southern Chiba Prefecture.
13	17	58	43.6	43.215	N	29.108	W	10	G	4.7	4.6	0.8	76	NORTHERN MID-ATLANTIC RIDGE
13	19	15	51.4	31.149	N	140.727	E	68	D	4.7		0.9	69	SOUTH OF HONSHU, JAPAN
13	19	42	22.0&	37.646	N	118.899	W	6					33	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.9 (BRK). MD 3.8 (GM). ML 4.1 (BRK), 4.0 (GS). Moment Tensor (BRK): Dep 8; Principal axes (scale 10**14 Nm): (T) Val=7.81, Plg=39, Azm=230; (N) Val=0.00, Plg=24, Azm=118; (P) Val=-7.81, Plg=41, Azm=6; Best double couple: Mo=7.8*10**14 Nm; NP1: Strike=118, Dip=89, Slip=-114; NP2: Strike=26, Dip=24, Slip=-2.
13	19	49	09.2*	21.670	S	176.738	W	188	D	4.6		1.0	36	FIJI ISLANDS REGION
13	20	41	38.1&	37.646	N	118.892	W	5					9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.0 (GS).
13	21	32	44.5?	17.40	S	174.75	W	33	N	4.2		0.9	10	TONGA ISLANDS
13	21	48	28.7?	22.76	S	170.74	E	33	N	4.1		1.5	11	LOYALTY ISLANDS REGION
13	21	49	45.2	35.215	N	87.195	E	33	N			0.6	12	XIZANG
13	22	02	17.1&	56.025	N	156.637	W	50	G	4.5			122	ALASKA PENINSULA. <AEIC>. ML 4.4 (AEIC), 4.6 (PMR).
13	22	25	42.8%	38.491	S	175.791	E	200	G			0.1	9	NORTH ISLAND, NEW ZEALAND
13	22	35	18.8	35.134	N	87.557	E	33	N	4.4		1.4	23	XIZANG
13	23	01	07.5	34.354	N	137.249	E	310		4.5		1.0	56	NEAR S. COAST OF HONSHU, JAPAN
13	23	23	03.5&	37.642	N	118.893	W	6					11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (GS).
13	23	27	18.4	24.316	S	68.761	W	95	D	4.6		0.9	50	CHILE-ARGENTINA BORDER REGION
13	23	39	49.3	35.766	N	28.729	E	33	N	3.8		1.2	17	EASTERN MEDITERRANEAN SEA. MD 3.6 (ISK).
14	00	20	43.4	43.090	N	12.696	E	10	G			0.9	22	CENTRAL ITALY. ML 3.6 (VIE), 3.3 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.
14	01	58	28.5*	2.155	S	100.475	E	72	D	4.3		1.3	18	SOUTHERN SUMATERA, INDONESIA
14	02	02	22.6?	31.44	S	71.87	W	10	G			0.4	9	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
14	02	49	48.7&	37.645	N	118.880	W	4					10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.8 (GS).
14	03	32	07.9%	32.720	S	71.375	W	50	G			0.3	8	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
14	03	35	10.9	19.199	N	66.523	W	33	N			0.4	14	PUERTO RICO REGION. MD 4.0 (MPR).
14	03	44	11.0	40.146	N	76.252	W	5	G			0.4	16	PENNSYLVANIA. mbLg 3.0 (GS). Felt in the Lititz-Lancaster area. Also felt at Coatesville.
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.
14	04	32	46.9?	19.05	N	149.98	E	33	N	4.6		1.0	8	MARIANA ISLANDS REGION
14	04	38	24.6&	62.034	N	150.615	W	10					73	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PMR).
14	05	04	46.5	18.327	N	145.223	E	461	?	4.2		1.1	43	MARIANA ISLANDS
14	05	56	58.6?	36.64	N	28.91	E	10	G			1.5	4	DODECANESE ISLANDS. MD 3.2 (ISK).

14	05	58	26.8*	43.955	N	15.643	E	10	G		1.1	15	ADRIATIC SEA. ML 3.2 (LDG), 3.1 (VIE).
14	06	00	32.7?	4.63	S	151.59	E	33	N	4.1	0.9	10	NEW BRITAIN REGION, P.N.G.
14	06	41	01.9	8.295	S	119.458	E	195		4.7	1.3	28	FLORES REGION, INDONESIA
14	06	53	28.9&	35.658	N	118.272	W	12				43	CENTRAL CALIFORNIA. <PAS-P>. ML 3.6 (PAS), 3.6 (GS). MD 3.7 (GM). Felt at Lake Isabella.
14	07	13	08.1*	11.041	N	61.924	W	33	N		0.4	6	WINDWARD ISLANDS. MD 3.1 (TRN).
14	07	22	04.3	6.778	S	155.338	E	33	N	5.2 4.7	0.9	93	SOLOMON ISLANDS. Mw 5.3 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 07:22:07.5; Lat 7.07 S; Lon 155.19 E; Dep 35.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.25, Plg=45, Azm=134; (N) Val=1.49, Plg=37, Azm=272; (P) Val=-9.73, Plg=22, Azm=20; Best double couple: Mo=9.0*10**16 Nm; NP1: Strike=155, Dip=40, Slip=158; NP2: Strike=262, Dip=76, Slip=52.
14	08	52	51.0*	52.793	N	171.262	E	33	N		1.0	10	NEAR ISLANDS, ALEUTIAN ISLANDS
14	09	24	14.2?	5.19	S	153.68	E	33	N	4.2	1.6	7	NEW IRELAND REGION, P.N.G.
14	09	36	22.9	6.778	S	155.358	E	33	N	4.9	1.0	78	SOLOMON ISLANDS
14	09	50	05.5&	40.481	N	121.515	W	4				10	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
14	09	53	18.8*	5.154	S	130.486	E	185	?	4.3	0.8	9	BANDA SEA
14	10	18	20.0	0.808	N	27.026	W	10	G	5.2 5.2	0.8	160	CENTRAL MID-ATLANTIC RIDGE. Mw 5.6 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 10:18:26.4; Lat 0.78 N; Lon 27.21 W; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=3.17, Plg=19, Azm=36; (N) Val=0.08, Plg=68, Azm=244; (P) Val=-3.25, Plg=9, Azm=129; Best double couple: Mo=3.2*10**17 Nm; NP1: Strike=174, Dip=69, Slip=7; NP2: Strike=81, Dip=83, Slip=159.
14	10	27	38.5	27.656	N	142.797	E	33	N	4.9	1.0	64	BONIN ISLANDS REGION
14	10	49	00.1*	6.240	S	148.066	E	52	?	4.0	1.0	15	NEW BRITAIN REGION, P.N.G.
14	11	36	23.9%	32.782	S	70.799	W	80	G		0.2	8	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
14	12	09	40.0*	36.746	S	128.981	W	10	G	4.7	0.9	25	SOUTH PACIFIC OCEAN
14	12	14	15.7	44.551	N	7.267	E	10	G		0.3	18	NORTHERN ITALY. ML 2.3 (GEN), 2.0 (LDG).
14	12	30	23.9*	35.392	N	87.748	E	33	N		1.2	11	XIZANG
14	13	53	06.6	45.835	N	5.321	E	5	G		0.8	6	FRANCE. ML 2.5 (STR), 2.2 (LDG).
14	14	20	40.6?	45.20	N	6.64	E	5	G		0.1	4	FRANCE
14	14	37	02.5%	30.293	N	88.623	E	33	N		0.7	8	XIZANG
14	14	49	35.4	47.899	N	8.157	E	5	G		0.8	7	SWITZERLAND. ML 1.6 (STR).
14	15	04	17.4	47.933	N	7.793	E	5	G		0.6	10	SWITZERLAND. ML 1.6 (STR).
14	15	12	44.6	36.382	N	24.518	E	95		4.1	1.3	117	SOUTHERN GREECE
14	15	16	15.2	2.929	S	134.304	E	33	N	4.6	1.4	26	IRIAN JAYA REGION, INDONESIA
14	15	37	25.6	45.859	N	150.478	E	117	*	4.8	1.0	89	KURIL ISLANDS
14	15	38	21.7?	40.62	N	29.85	E	10	G		0.4	4	TURKEY. MD 2.8 (ISK).
14	16	04	34.6	3.506	N	123.797	E	425		4.9	0.9	74	CELEBES SEA
14	16	42	17.7?	14.54	S	171.92	E	200	G	4.4	1.2	10	VANUATU ISLANDS REGION
14	16	52	42.0*	57.020	N	158.359	W	33	N		0.9	11	ALASKA PENINSULA
14	17	15	50.2*	27.580	N	143.401	E	33	N	4.3	0.5	10	BONIN ISLANDS REGION
14	17	18	06.2	4.532	S	139.331	E	33	N	4.2	1.4	13	IRIAN JAYA, INDONESIA
14	17	24	26.7?	15.60	S	174.86	W	150	G	4.1	0.8	8	TONGA ISLANDS
14	18	07	39.4*	5.190	S	150.682	E	234	*	4.4	0.8	23	NEW BRITAIN REGION, P.N.G.
14	18	49	12.9*	13.176	S	174.780	E	33	N	4.7	1.0	20	FIJI ISLANDS REGION
14	19	01	24.2?	51.60	N	16.11	E	5	G		0.7	6	POLAND. ML 3.3 (VIE).
14	19	04	59.7&	59.833	N	139.185	W	0				19	SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC).
14	19	14	16.3*	32.701	N	2.652	W	10	G		0.9	8	MOROCCO
14	19	30	50.1*	53.043	N	172.830	E	33	N		1.6	10	NEAR ISLANDS, ALEUTIAN ISLANDS
14	19	52	00.3?	17.20	S	178.22	W	300	G	4.2	0.9	14	FIJI ISLANDS REGION
14	20	00	33.4?	2.99	S	147.67	E	33	N	3.8	0.5	6	ADMIRALTY ISLANDS REGION, P.N.G.
14	21	22	04.8?	6.83	N	72.71	W	165	?		1.0	10	NORTHERN COLOMBIA
14	21	38	51.6	38.859	N	25.795	E	18		5.6 5.8	1.0	363	AEGEAN SEA. Mw 6.1 (CSEM), 6.0 (GS), 5.9 (HRV). ML 5.3 (THE). MD 5.1 (ISK). Felt in much of northern Greece and on the northern Aegean Islands. Also felt in Aydin, Balikesir, Bursa, Canakkale, Istanbul, Izmir and Manisa, Turkey.
													Moment Tensor (GS): Dep 13; Principal axes (scale 10**18 Nm): (T) Val=1.17, Plg=0, Azm=9; (N) Val=0.07, Plg=88, Azm=277; (P) Val=-1.23, Plg=2, Azm=99; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=144, Dip=89, Slip=-1; NP2: Strike=234, Dip=89, Slip=-179.
													Centroid, Moment Tensor (HRV): Centroid origin time 21:38:55.2; Lat 38.74 N; Lon 25.77 E; Dep 15.0 Fix; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=8.17, Plg=9, Azm=13; (N) Val=-1.59, Plg=65, Azm=263; (P) Val=-6.59, Plg=23, Azm=107; Best double couple: Mo=7.4*10**17 Nm; NP1: Strike=148, Dip=67, Slip=-10; NP2: Strike=242, Dip=80, Slip=-156.
													Moment Tensor (CSEM): Dep 15; Principal axes: (T) Plg=5, Azm=9; (N) Plg=56, Azm=271; (P) Plg=34, Azm=103; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=241, Dip=71, Slip=-151; NP2: Strike=141, Dip=63, Slip=-21.
14	22	02	44.4&	62.091	N	148.684	W	16				64	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 2.9 (PMR).
14	22	14	11.5&	46.948	N	121.928	W	10				79	WASHINGTON. <SEA-P>. MD 2.7 (SEA).
14	22	23	59.5	35.264	N	87.989	E	33	N	4.8	1.0	32	XIZANG
14	22	28	51.2*	2.113	N	96.615	E	33	N		0.9	7	NORTHERN SUMATERA, INDONESIA
14	22	43	43.8*	14.920	S	172.632	W	33	N	4.5	0.7	25	SAMOA ISLANDS
14	22	51	37.2	42.662	N	141.788	E	130	D	4.6	1.0	68	HOKKAIDO, JAPAN REGION
14	23	20	43.1?	30.31	N	137.52	E	400	G	3.9	0.6	9	SOUTH OF HONSHU, JAPAN
14	23	29	12.2*	7.271	S	106.877	E	74		4.6	1.0	23	JAWA, INDONESIA
14	23	36	34.2	46.573	N	2.275	E	5	G		0.6	13	FRANCE. ML 2.6 (LDG), 2.5 (STR).
14	23	37	06.2	39.535	N	120.288	W	5	G		0.7	18	NORTHERN CALIFORNIA. ML 3.5 (GS), 3.6 (BRK). MD 3.5 (GM).
14	23	37	17.7*	34.983	N	86.179	E	33	N		1.3	19	XIZANG
14	23	52	00.9	46.575	N	2.142	E	5	G		0.8	24	FRANCE. ML 3.3 (STR), 3.0 (LDG).
14	23	53	31.9*	16.701	S	173.624	W	33	N	4.7	0.7	18	TONGA ISLANDS
15	00	13	48.2%	8.759	S	111.118	E	100	G		1.2	6	JAWA, INDONESIA
15	01	14	47.2*	0.985	N	127.772	E	33	N	4.6	1.5	12	HALMAHERA, INDONESIA
15	01	15	24.1&	62.497	N	151.152	W	91				37	CENTRAL ALASKA. <AEIC>.

15 01 41 05.6* 5.735 N 94.648 E 100 G 4.0 1.3 12 NORTHERN SUMATERA, INDONESIA
15 02 34 34.8 10.460 N 62.876 W 48 4.7 4.1 0.8 87 NEAR COAST OF VENEZUELA. MD 4.6 (TRN). Felt in Sucre. Also felt at Sangre Grande, Trinidad.
15 02 48 43.9 20.787 S 68.928 W 139 4.5 0.9 26 CHILE-BOLIVIA BORDER REGION
15 03 02 39.8? 11.13 N 61.07 W 10 G 0.8 4 WINDWARD ISLANDS. MD 2.6 (TRN).
15 04 42 31.6* 2.113 S 134.058 E 33 N 4.0 1.2 13 IRIAN JAYA REGION, INDONESIA
15 04 42 35.4 36.863 N 141.358 E 75 * 4.9 0.8 103 NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) in eastern Fukushima and (II JMA) in much of Ibaraki and Tochigi Prefectures. Also felt (II JMA) in southeastern Iwate and southern Miyagi Prefectures.
15 05 23 31.6% 39.899 N 73.450 E 33 N 1.1 11 TAJIKISTAN-XINJIANG BORDER REG.
15 06 00 19.8 37.179 N 117.789 W 5 G 4.7 4.6 1.2 137 CALIFORNIA-NEVADA BORDER REGION. Mw 5.0 (BRK). ML 5.3 (BRK). Felt in the Bishop area and at Mariposa, California. Also felt at Beatty and Hawthorne, Nevada.
Moment Tensor (BRK): Dep 8; Principal axes (scale 10**16 Nm): (T) Val=3.12, Plg=1, Azm=278; (N) Val=0.00, Plg=16, Azm=8; (P) Val=-3.12, Plg=74, Azm=184; Best double couple: Mo=3.1*10**16 Nm; NP1: Strike=203, Dip=49, Slip=-68; NP2: Strike=352, Dip=46, Slip=-113.
15 06 06 58.7* 6.599 N 72.909 W 200 G 3.5 0.4 10 NORTHERN COLOMBIA
15 06 12 53.5 38.939 N 25.929 E 10 G 0.8 13 AEGEAN SEA. MD 3.7 (ISK).
15 06 30 40.0% 45.009 N 7.161 E 10 G 0.3 5 NORTHERN ITALY. ML 1.7 (GEN).
15 06 42 28.9 37.245 N 117.856 W 5 G 0.8 41 CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (GS).
15 07 05 16.6 43.813 N 145.019 E 161 D 5.8 0.8 441 HOKKAIDO, JAPAN REGION. Mw 6.1 (GS), 6.1 (HRV). Me 6.0 (GS). Felt (IV JMA) in the Kushiro area. Felt (II JMA) in much of southeastern Hokkaido and in parts of Aomori, Iwate and Miyagi Prefectures, Honshu. Also felt (II) at Yuzhno-Kurilsk, Kunashir.
Broadband Source Parameters (GS): Dep 150; NP1: Strike=80, Dip=80, Slip=80; NP2: Strike=305, Dip=14, Slip=135; Radiated energy 2.1*10**13 Nm.
Moment Tensor (GS): Dep 150; Principal axes (scale 10**18 Nm): (T) Val=1.60, Plg=46, Azm=333; (N) Val=-0.38, Plg=8, Azm=72; (P) Val=-1.22, Plg=43, Azm=170; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=329, Dip=9, Slip=167; NP2: Strike=72, Dip=88, Slip=81.
Centroid, Moment Tensor (HRV): Centroid origin time 07:05:18.8; Lat 43.82 N; Lon 145.07 E; Dep 157.0; Half-duration 2.7 sec; Principal axes (scale 10**18 Nm): (T) Val=1.50, Plg=46, Azm=347; (N) Val=-0.10, Plg=7, Azm=250; (P) Val=-1.40, Plg=43, Azm=154; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=171, Dip=7, Slip=11; NP2: Strike=70, Dip=89, Slip=97.
15 07 34 51.7 34.208 N 85.608 E 33 N 4.1 1.0 17 XIZANG
15 08 11 55.6 49.697 N 8.361 E 10 G 1.4 12 GERMANY. ML 2.0 (STR).
15 08 21 13.1% 15.818 N 60.711 W 80 G 0.3 8 LEEWARD ISLANDS. MD 3.4 (TRN).
15 08 25 07.0? 37.55 N 23.53 E 33 N 0.7 5 SOUTHERN GREECE. Felt at Corinth.
15 08 28 04.9* 0.839 N 120.143 E 33 N 4.3 0.6 12 MINAHASSA PENINSULA, SULAWESI
15 08 38 15.6* 40.615 N 141.247 E 128 * 1.2 13 NEAR EAST COAST OF HONSHU, JAPAN
15 09 52 09.2? 31.48 S 69.96 W 170 G 0.3 10 SAN JUAN PROVINCE, ARGENTINA. MD 3.3 (SAN).
15 10 02 43.3? 38.86 N 28.12 E 10 G 0.3 4 TURKEY. MD 3.0 (ISK).
15 10 26 15.2% 44.091 N 7.028 E 10 G 0.4 7 NORTHERN ITALY. ML 2.1 (GEN).
15 10 56 43.4 16.169 S 176.064 W 363 D 5.1 1.2 135 FIJI ISLANDS REGION. Mw 5.6 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 10:56:48.6; Lat 16.16 S; Lon 175.92 W; Dep 379.3; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=3.00, Plg=5, Azm=327; (N) Val=0.13, Plg=70, Azm=70; (P) Val=-3.13, Plg=19, Azm=235; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=13, Dip=73, Slip=-169; NP2: Strike=279, Dip=80, Slip=-17.
15 11 11 01.6& 60.073 N 140.637 W 7 31 SOUTHEASTERN ALASKA. <AEIC>. ML 3.2 (AEIC).
15 12 09 42.1* 16.013 S 176.406 W 313 * 4.3 1.4 46 FIJI ISLANDS REGION
15 12 12 43.3& 56.350 N 156.528 W 34 4.0 60 ALASKA PENINSULA. <AEIC>. ML 4.2 (AEIC), 4.3 (PMR).
15 12 48 54.4* 42.209 N 23.127 E 10 G 1.4 7 BULGARIA
15 12 56 03.3& 37.652 N 118.855 W 3 9 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
15 13 09 16.4 30.618 N 138.536 E 405 4.5 0.8 46 SOUTH OF HONSHU, JAPAN
15 13 34 48.4 36.589 N 1.598 E 10 G 4.4 1.1 44 NORTHERN ALGERIA. ML 3.8 (LDG).
15 14 03 35.6% 44.543 N 7.384 E 10 G 0.3 7 NORTHERN ITALY. ML 1.9 (GEN).
15 14 17 33.8? 5.32 S 152.27 E 60 ? 4.0 1.5 11 NEW BRITAIN REGION, P.N.G.
15 14 56 32.9 4.346 S 102.427 E 66 4.5 0.8 34 SOUTHERN SUMATERA, INDONESIA
15 15 11 37.9* 38.758 N 25.805 E 10 G 1.1 8 AEGEAN SEA. MD 3.6 (ISK).
15 15 49 19.0? 31.20 S 69.65 W 150 G 0.5 11 SAN JUAN PROVINCE, ARGENTINA. MD 3.4 (SAN).
15 16 11 48.4 56.846 N 7.433 E 10 G 1.0 19 NORTH SEA
15 16 36 30.7* 8.177 S 130.482 E 210 ? 4.2 1.1 8 TANIMBAR ISLANDS REG., INDONESIA
15 17 20 39.5& 37.640 N 118.992 W 8 23 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.5 (BRK), 3.4 (GS). Felt at Mammoth Lakes, California.
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).
Broadband Source Parameters (GS): Dep 113; NP1: Strike=180, Dip=50, Slip=105; NP2: Strike=337, Dip=42, Slip=73; Radiated energy 2.8*10**14 Nm. Complex earthquake with at least one larger event occurring about 3 seconds after the onset. Depth and focal mechanism based on second event.
Moment Tensor (GS): Dep 116; Principal axes (scale 10**19 Nm): (T) Val=4.02, Plg=80, Azm=164; (N) Val=0.06, Plg=9, Azm=4; (P) Val=-4.08, Plg=3, Azm=274; Best double couple: Mo=4.1*10**19 Nm; NP1: Strike=354, Dip=43, Slip=76; NP2: Strike=192, Dip=49, Slip=102.
Centroid, Moment Tensor (HRV): Centroid origin time 18:59:32.8; Lat 14.92 S; Lon 167.21 E; Dep 121.8; Half-duration 7.7 sec; Principal axes (scale 10**19 Nm): (T) Val=4.08, Plg=79, Azm=167; (N) Val=0.16, Plg=10, Azm=9; (P)

Val=-4.24, Plg=4, Azm=278; Best double couple: Mo=4.2*10**19 Nm; NP1: Strike=357, Dip=42, Slip=75; NP2: Strike=197, Dip=50, Slip=103.

15	19	35	48.6?	15.05	S	167.63	E	150	G	4.0	1.6	8	VANUATU ISLANDS
15	20	05	20.1&	53.516	N	165.476	W	8				12	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.2 (AEIC).
15	20	27	17.3?	14.52	S	166.78	E	33	N		0.9	5	VANUATU ISLANDS
15	20	50	17.9*	15.143	S	167.214	E	131	D	4.1	1.2	34	VANUATU ISLANDS
15	21	35	03.2*	0.867	N	87.068	W	33	N	4.5	1.0	21	GALAPAGOS ISLANDS REGION
15	21	40	13.4*	40.413	S	176.914	E	33	N	3.8	0.7	16	NORTH ISLAND, NEW ZEALAND. ML 4.0 (WEL).
15	21	43	33.3*	13.140	N	143.291	E	200	G	4.1	0.9	14	SOUTH OF MARIANA ISLANDS
15	22	09	47.8*	62.402	N	124.584	W	10	G	3.7	1.7	12	NORTHWEST TERRITORIES, CANADA
15	22	44	36.0	38.774	N	25.795	E	10	G	4.3	1.0	77	AEGEAN SEA. MD 4.2 (ISK).
15	22	59	44.6	26.380	N	140.579	E	456	D	4.6	0.9	73	BONIN ISLANDS REGION
15	23	17	27.2	26.209	N	128.477	E	33	N	4.6	1.0	30	RYUKYU ISLANDS
15	23	22	06.9*	20.936	S	174.476	W	33	N	4.5	1.1	24	TONGA ISLANDS
15	23	33	48.7*	3.286	N	95.506	E	63	D		0.9	12	OFF W COAST OF NORTHERN SUMATERA
15	23	42	41.6*	29.981	N	130.764	E	41	D	4.5	1.3	22	RYUKYU ISLANDS
15	23	44	48.0?	44.58	N	128.40	W	10	G		0.7	29	OFF COAST OF OREGON
15	23	53	40.9	7.515	S	118.482	E	100	G	3.7	1.1	11	FLORES SEA
16	00	00	49.1&	36.816	N	121.545	W	7				14	CENTRAL CALIFORNIA. <GM-P>. MD 3.4 (GM). ML 3.5 (BRK), 3.4 (GS). Felt in the epicentral area.
16	00	05	55.7?	27.50	N	143.10	E	33	N		1.4	7	BONIN ISLANDS REGION
16	00	46	35.2?	31.72	S	69.85	W	160	G		0.3	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.2 (SAN).
16	02	51	36.4*	32.291	N	141.443	E	33	N		0.9	18	SOUTH OF HONSHU, JAPAN
16	02	56	18.6*	55.968	N	111.162	E	10	G	4.5	1.3	14	LAKE BAYKAL REGION, RUSSIA. Felt (III) at Novyy Uoyan.
16	03	00	41.6*	51.792	N	177.185	E	33	N	4.2	1.2	27	RAT ISLANDS, ALEUTIAN ISLANDS
16	03	04	18.2	43.046	N	0.563	W	10	G		1.2	9	PYRENEES. ML 2.0 (LDG).
16	03	13	55.5	46.435	N	2.068	E	10	G		0.4	10	FRANCE. ML 2.0 (LDG).
16	03	36	17.6*	74.730	N	10.661	E	10	G	4.5	0.9	8	NORWEGIAN SEA
16	04	12	03.8	43.991	N	7.111	E	10	G		0.7	25	NEAR SOUTH COAST OF FRANCE. ML 2.2 (GEN), 2.1 (STR), 1.7 (LDG).
16	04	18	18.0	51.619	N	16.311	E	5	G		1.1	12	POLAND. ML 3.0 (VIE).
16	04	28	41.4?	18.92	S	177.68	W	500	G		1.2	9	FIJI ISLANDS REGION
16	04	49	40.7	51.658	N	173.431	W	33	N	5.1 4.6	0.9	230	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.2 (HRV). ML 5.0 (PYR). Felt (III) on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 04:49:42.1; Lat 51.43 N; Lon 173.52 W; Dep 33.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.13, Plg=72, Azm=356; (N) Val=-1.16, Plg=5, Azm=100; (P) Val=-5.97, Plg=17, Azm=192; Best double couple: Mo=6.6*10**16 Nm; NP1: Strike=289, Dip=28, Slip=100; NP2: Strike=98, Dip=63, Slip=85.
16	04	58	24.7	10.485	N	62.180	W	10	G	4.2	1.0	21	NEAR COAST OF VENEZUELA. MD 4.2 (TRN).
16	06	34	01.3?	20.39	S	177.79	W	400	G	4.2	1.1	10	FIJI ISLANDS REGION
16	06	51	14.3*	24.004	S	66.686	W	200	G	4.7	1.3	18	SALTA PROVINCE, ARGENTINA
16	07	10	18.7*	15.890	N	148.020	E	33	N		0.9	14	MARIANA ISLANDS REGION
16	08	10	57.3*	20.797	S	69.208	W	150	G	4.3	1.0	13	NORTHERN CHILE
16	08	18	16.3	4.956	S	103.189	E	58	D	5.5	1.0	144	SOUTHERN SUMATERA, INDONESIA. Mw 5.3 (GS), 5.3 (HRV). Felt (III) at Bengkulu. Moment Tensor (GS): Dep 52; Principal axes (scale 10**17 Nm): (T) Val=1.00, Plg=74, Azm=28; (N) Val=0.11, Plg=14, Azm=174; (P) Val=-1.11, Plg=9, Azm=266; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=12, Dip=38, Slip=112; NP2: Strike=164, Dip=55, Slip=73. Centroid, Moment Tensor (HRV): Centroid origin time 08:18:20.6; Lat 5.31 S; Lon 102.89 E; Dep 50.4 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.87, Plg=72, Azm=53; (N) Val=0.14, Plg=7, Azm=301; (P) Val=-1.01, Plg=16, Azm=209; Best double couple: Mo=9.4*10**16 Nm; NP1: Strike=289, Dip=29, Slip=76; NP2: Strike=124, Dip=61, Slip=98.
16	08	19	16.4&	55.106	N	159.899	W	0				13	ALASKA PENINSULA. <AEIC>. ML 2.5 (AEIC).
16	08	28	01.2	0.832	N	85.335	W	47	*	4.6 4.5	1.0	42	OFF COAST OF ECUADOR
16	08	34	14.4?	30.83	S	71.86	W	33	N		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
16	09	05	45.6&	62.927	N	150.780	W	110				90	CENTRAL ALASKA. <AEIC>.
16	09	42	29.5	38.255	N	116.680	W	5	G		0.6	10	NEVADA. MD 2.9 (REN).
16	10	14	21.7?	0.46	N	85.72	W	33	N	3.9	1.2	7	OFF COAST OF ECUADOR
16	10	19	30.7*	1.960	N	83.791	W	33	N	4.3	0.7	14	OFF COAST OF ECUADOR
16	10	23	22.0*	3.043	S	140.059	E	33	N	4.1	0.7	10	IRIAN JAYA, INDONESIA
16	11	01	27.2?	20.74	N	106.35	W	33	N	4.0	1.5	13	OFF COAST OF JALISCO, MEXICO
16	11	41	41.4?	1.20	N	84.81	W	33	N	3.8	0.4	7	OFF COAST OF ECUADOR
16	11	51	02.1*	27.748	N	142.710	E	33	N	4.4	1.6	16	BONIN ISLANDS REGION
16	11	59	44.7	27.705	N	142.673	E	33	N	4.7 4.4	1.2	59	BONIN ISLANDS REGION
16	12	57	25.3*	14.885	S	167.212	E	100	G	4.4	1.2	35	VANUATU ISLANDS
16	12	58	29.1*	51.430	N	16.148	E	5	G		0.3	6	POLAND. ML 3.0 (VIE).
16	12	59	36.3	6.807	N	72.972	W	159	D	4.1	1.1	18	NORTHERN COLOMBIA
16	13	13	39.9	0.850	N	85.201	W	33	N	4.6 3.9	0.8	37	OFF COAST OF ECUADOR
16	13	45	27.9*	0.933	N	120.331	E	33	N	4.3	1.1	12	MINAHASSA PENINSULA, SULAWESI
16	13	46	08.2*	51.376	N	158.998	E	33	N	4.3	1.0	16	NEAR EAST COAST OF KAMCHATKA
16	14	05	16.4?	34.92	S	71.08	W	100	G		0.1	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
16	14	48	13.5?	1.43	N	84.36	W	33	N	4.2	1.2	10	OFF COAST OF ECUADOR
16	14	48	53.9*	19.508	N	146.589	E	33	N	4.2 4.3	1.2	18	MARIANA ISLANDS REGION
16	14	55	03.0&	34.883	S	73.019	W	33	N		0.4	9	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
16	15	43	20.7	40.106	N	27.582	E	10	G		0.6	8	TURKEY. MD 3.2 (ISK).
16	16	22	07.3&	58.661	N	153.925	W	79				10	KODIAK ISLAND REGION. <AEIC>.
16	16	26	30.9?	31.02	N	141.00	E	33	N	4.2	1.4	6	SOUTH OF HONSHU, JAPAN
16	16	42	33.6?	7.32	N	82.30	W	10	G		0.9	6	SOUTH OF PANAMA. MD 4.0 (UPA).
16	16	54	20.8*	50.288	N	7.231	E	10	G		0.6	6	GERMANY. ML 2.5 (LDG), 1.9 (STR).
16	17	25	57.6&	38.834	N	122.879	W	4				8	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
16	18	12	19.5&	37.657	N	118.869	W	3				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.1 (GS).
16	19	20	01.5?	38.91	N	25.90	E	10	G		0.6	5	AEGEAN SEA. MD 3.4 (ISK).
16	19	24	33.8	38.722	N	25.794	E	10	G		0.6	9	AEGEAN SEA. MD 3.7 (ISK).

16	19	26	17.9?	44.81	N	128.66	W	10	G			0.8	44	OFF COAST OF OREGON
16	20	09	47.3	24.993	S	69.995	E	10	G	5.1	4.4	0.7	58	MID-INDIAN RIDGE
16	20	57	24.6?	12.92	S	167.74	E	200	G	4.3		1.8	10	SANTA CRUZ ISLANDS
16	20	59	00.4*	5.384	S	129.084	E	250	G	4.2		0.9	9	BANDA SEA
16	21	33	47.9?	19.06	S	169.61	E	281	?	4.6		0.5	8	VANUATU ISLANDS
16	21	44	55.8*	3.429	S	68.311	E	10	G	5.0	4.4	1.2	9	CHAGOS ARCHIPELAGO REGION
16	22	37	48.0*	13.061	S	166.982	E	207	D	4.6		1.0	20	VANUATU ISLANDS
16	23	24	30.5	6.376	S	147.676	E	63		4.8		1.1	49	EASTERN NEW GUINEA REG., P.N.G.
16	23	34	24.5?	31.17	N	140.87	E	77	?	3.6		0.7	10	SOUTH OF HONSHU, JAPAN
17	00	11	56.6?	35.17	S	71.22	W	100	G			0.2	8	CENTRAL CHILE. MD 3.3 (SAN).
17	00	14	39.6	17.054	N	120.097	E	33	N	4.8		0.8	59	LUZON, PHILIPPINE ISLANDS
17	00	18	35.7*	20.654	S	174.490	W	33	N	4.8	5.1	1.1	53	TONGA ISLANDS. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:18:38.1; Lat 20.62 S; Lon 175.19 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=2.43, Plg=41, Azm=304; (N) Val=-0.08, Plg=10, Azm=43; (P) Val=-2.35, Plg=47, Azm=144; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=332, Dip=10, Slip=-161; NP2: Strike=223, Dip=87, Slip=-80.
17	00	37	53.2*	11.055	N	92.600	E	33	N	3.9		1.3	10	ANDAMAN ISLANDS, INDIA
17	00	52	30.0	44.260	N	11.975	E	10	G			1.1	55	NORTHERN ITALY. ML 3.7 (STR), 3.6 (LDG), 3.3 (VIE).
17	00	59	30.3*	38.086	N	25.928	W	33	N			1.4	13	AZORES ISLANDS
17	01	17	55.0	44.207	N	11.970	E	10	G			1.0	33	NORTHERN ITALY. ML 3.4 (STR), 3.3 (LDG), 3.0 (VIE).
17	02	07	17.3	44.238	N	11.974	E	10	G			1.0	32	NORTHERN ITALY. ML 3.3 (STR), 3.1 (LDG), 2.8 (VIE).
17	04	04	43.7&	60.233	N	152.575	W	93					21	SOUTHERN ALASKA. <AEIC>.
17	04	11	02.5?	50.68	S	139.48	E	33	N	4.1		1.4	8	SOUTH OF AUSTRALIA
17	05	04	35.4	51.789	N	176.029	W	51	D	5.1		1.1	129	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.2 (HRV). Felt on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 05:04:37.0; Lat 51.64 N; Lon 175.86 W; Dep 61.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.12, Plg=74, Azm=278; (N) Val=0.28, Plg=12, Azm=59; (P) Val=-7.41, Plg=10, Azm=151; Best double couple: Mo=7.3*10**16 Nm; NP1: Strike=255, Dip=37, Slip=111; NP2: Strike=50, Dip=56, Slip=75.
17	05	19	00.2*	37.321	N	71.783	E	150	G	3.9		0.5	11	AFGHANISTAN-TAJIKISTAN BORD REG.
17	05	25	52.2	12.216	N	141.864	E	150	G	4.5		0.8	34	SOUTH OF MARIANA ISLANDS
17	05	26	42.1&	48.959	N	1.512	W	5	G			0.1	5	FRANCE. ML 2.4 (LDG).
17	05	31	23.1	9.555	S	160.791	E	101	D	5.0		1.0	102	SOLOMON ISLANDS
17	05	55	04.7&	63.249	N	151.251	W	13					35	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
17	06	25	18.6&	35.660	N	118.272	W	12					32	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
17	06	25	33.3	20.830	S	174.320	W	33	N	4.9	5.0	1.0	88	TONGA ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:25:36.4; Lat 21.01 S; Lon 174.11 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.93, Plg=53, Azm=279; (N) Val=-0.03, Plg=3, Azm=13; (P) Val=-1.90, Plg=37, Azm=105; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=214, Dip=8, Slip=111; NP2: Strike=12, Dip=82, Slip=87.
17	06	53	18.3	27.068	N	100.400	E	33	N	4.1		1.3	22	YUNNAN, CHINA. ML 4.2 (BJI).
17	06	58	09.6?	38.35	N	20.82	E	33	N			1.4	8	GREECE
17	06	59	34.7*	14.110	N	120.878	E	200	G	3.8		0.9	7	LUZON, PHILIPPINE ISLANDS
17	07	16	55.9	35.241	N	87.386	E	33	N	4.5		1.1	18	XIZANG
17	08	17	33.6&	39.112	N	26.271	E	10	G			0.4	7	TURKEY. MD 3.3 (ISK).
17	08	29	45.4	33.254	N	141.455	E	33	N	4.5		1.2	27	OFF EAST COAST OF HONSHU, JAPAN
17	10	09	41.1?	17.49	S	178.76	W	500	G	4.1		0.7	10	FIJI ISLANDS REGION
17	10	27	57.1	52.226	N	170.174	W	33	N	5.1	4.8	1.0	211	FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:28:00.8; Lat 52.22 N; Lon 170.15 W; Dep 50.5; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.17, Plg=69, Azm=302; (N) Val=0.12, Plg=10, Azm=61; (P) Val=-1.29, Plg=18, Azm=154; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=260, Dip=29, Slip=112; NP2: Strike=55, Dip=64, Slip=78.
17	10	32	05.5&	45.227	N	6.476	E	5	G			0.0	5	FRANCE. ML 2.2 (LDG).
17	10	39	10.4&	45.237	N	6.497	E	5	G			0.4	5	FRANCE. ML 2.0 (LDG).
17	10	51	14.5?	44.35	N	7.71	E	5	G			0.2	5	NORTHERN ITALY. ML 2.1 (LDG).
17	11	07	27.3	43.045	N	12.789	E	10	G			1.1	44	CENTRAL ITALY. ML 4.1 (STR), 4.0 (VIE), 3.5 (LDG). MD 3.6 (ROM). Felt (V) in the epicentral area.
17	11	13	46.4*	5.930	S	149.820	E	86	*	3.9		1.1	8	NEW BRITAIN REGION, P.N.G.
17	11	20	37.8?	51.05	S	138.38	E	10	G	4.1		1.4	8	SOUTH OF AUSTRALIA
17	11	26	43.4*	35.392	N	87.954	E	33	N	4.3		0.6	11	XIZANG
17	11	36	14.7?	13.25	S	175.02	E	33	N	4.6		0.7	7	FIJI ISLANDS REGION
17	11	53	46.8	15.179	N	61.039	W	162				0.7	23	LEEWARD ISLANDS. MD 3.9 (TRN).
17	11	55	01.4?	3.34	N	126.25	E	24	D	4.3		0.7	9	TALAUD ISLANDS, INDONESIA
17	12	27	46.9&	37.644	N	118.934	W	7					7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
17	12	29	13.6*	31.099	S	71.508	W	50	G			0.4	12	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
17	12	45	58.7	42.599	N	139.213	E	218	*	4.2		0.8	22	HOKKAIDO, JAPAN REGION
17	13	07	34.4*	6.850	S	130.246	E	100	G	4.0		1.4	11	BANDA SEA
17	13	25	30.2&	37.636	N	118.942	W	7					11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
17	13	50	51.9*	17.698	S	178.687	W	550	G	4.5		0.9	23	FIJI ISLANDS REGION
17	13	58	53.9	52.265	N	170.102	W	33	N	4.8	4.7	1.1	93	FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:58:58.4; Lat 52.22 N; Lon 170.13 W; Dep 46.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.71, Plg=72, Azm=0; (N) Val=0.67, Plg=6, Azm=251; (P) Val=-6.38, Plg=17, Azm=159; Best double couple: Mo=6.0*10**16 Nm; NP1: Strike=240, Dip=29, Slip=78; NP2: Strike=74, Dip=62, Slip=97.
17	14	16	16.8?	15.03	S	177.79	W	348	D	4.7		1.1	20	FIJI ISLANDS REGION
17	15	22	08.3	38.106	N	119.169	W	5	G			0.9	13	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (GS), 3.2 (BRK).
17	15	50	26.3?	34.50	S	70.36	W	10	G			0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
17	15	58	29.5	52.443	N	170.079	W	33	N	4.5		0.9	32	FOX ISLANDS, ALEUTIAN ISLANDS
17	16	01	04.3	19.696	N	121.379	E	33	N	4.3		0.4	9	PHILIPPINE ISLANDS REGION

17	16	08	05.3?	17.75	S	178.68	W	600	G	4.5	1.2	16	FIJI ISLANDS REGION
17	16	54	37.8&	47.408	N	6.429	E	10	G		0.4	7	FRANCE. ML 2.0 (STR).
17	16	55	56.0	6.878	N	94.204	E	70	D	4.9	0.9	88	NICOBAR ISLANDS, INDIA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:56:00.3; Lat 7.02 N; Lon 94.45 E; Dep 69.5 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.10, Plg=58, Azm=134; (N) Val=0.83, Plg=17, Azm=255; (P) Val=-5.93, Plg=25, Azm=354; Best double couple: Mo=5.5*10**16 Nm; NP1: Strike=117, Dip=25, Slip=135; NP2: Strike=250, Dip=73, Slip=72.
17	17	09	21.5	47.611	N	7.531	E	33	N		1.2	59	SWITZERLAND. ML 4.0 (GRF), 3.6 (LDG), 3.6 (VIE), 3.4 (FUR), 3.4 (STR), 3.2 (DBN).
17	17	21	01.3*	7.341	S	128.153	E	89	?	4.7	1.3	21	BANDA SEA
17	17	35	01.4*	14.878	S	167.280	E	138	?	4.5	1.2	33	VANUATU ISLANDS
17	17	47	10.7*	19.594	N	147.022	E	33	N	3.8	1.0	11	MARIANA ISLANDS REGION
17	18	28	44.4	35.223	N	27.749	E	33	N	4.1	1.3	49	DODECANESE ISLANDS
17	20	16	19.2	51.651	N	16.138	E	5	G		0.8	24	POLAND. ML 3.7 (GRF), 3.5 (FUR), 3.4 (VIE).
17	20	51	07.2?	7.26	S	151.47	E	33	N	3.9	1.5	6	NEW BRITAIN REGION, P.N.G.
17	21	31	03.5*	8.489	S	120.537	E	140	?	3.8	0.7	8	FLORES REGION, INDONESIA
17	22	12	26.3&	18.213	N	67.401	W	33	N		0.7	6	MONA PASSAGE. MD 3.2 (MPR).
17	22	51	56.4*	42.994	N	12.845	E	10	G		1.2	21	CENTRAL ITALY. ML 3.6 (VIE), 3.3 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
17	23	21	34.2&	59.995	N	153.273	W	126				59	SOUTHERN ALASKA. <AEIC>.
17	23	30	52.7?	23.00	S	174.21	W	33	N	4.8	1.1	12	TONGA ISLANDS REGION
17	23	55	38.9&	62.379	N	149.258	W	51				55	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC).
18	00	35	06.8*	13.575	S	166.504	E	33	N		1.3	9	VANUATU ISLANDS
18	00	54	46.0	7.305	S	128.633	E	129	*	4.5	1.1	43	BANDA SEA
18	01	33	34.9&	37.649	N	118.937	W	6				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
18	01	34	00.8	51.699	N	16.134	E	5	G		1.1	40	POLAND. ML 4.3 (GRF), 3.9 (FUR), 3.8 (VIE).
18	01	38	18.8&	37.641	N	118.940	W	8				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). Multiple event.
18	01	53	06.3&	46.140	N	120.469	W	16				55	WASHINGTON. <SEA-P>. MD 3.8 (SEA). ML 3.8 (GS). Felt.
18	01	56	06.0&	37.642	N	118.941	W	8				23	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.5 (BRK), 3.4 (GS). Felt at Mammoth Lakes, California.
18	03	39	09.0*	28.582	N	142.891	E	33	N	4.5	0.4	11	BONIN ISLANDS REGION
18	03	43	42.4	43.106	N	0.473	W	10	G		0.3	9	PYRENEES. ML 2.2 (LDG), 1.5 (STR).
18	03	54	41.7&	38.878	N	25.873	E	10	G		0.2	10	AEGEAN SEA. MD 3.6 (ISK).
18	03	57	12.0	47.306	N	9.172	E	10	G		1.1	17	GERMANY. ML 2.5 (LDG), 2.4 (STR), 2.3 (VIE).
18	04	37	15.1*	13.094	S	174.818	E	33	N	4.8	0.8	17	FIJI ISLANDS REGION
18	05	05	37.5?	51.23	S	139.12	E	10	G	4.2	0.9	9	SOUTH OF AUSTRALIA
18	05	32	38.8?	27.58	S	176.88	W	33	N	4.6	1.2	13	KERMADEC ISLANDS REGION
18	05	52	57.0?	12.82	S	174.68	E	33	N	4.4	0.5	8	NORTH OF FIJI ISLANDS
18	06	16	41.6&	60.579	N	150.918	W	46		3.5		110	KENAI PENINSULA, ALASKA. <AEIC>. ML 4.2 (AEIC), 4.0 (PMR). Felt at Kasilof and Soldotna.
18	06	41	55.3?	18.44	N	67.54	W	33	N		0.1	5	MONA PASSAGE. MD 3.0 (MPR).
18	06	56	57.5*	33.052	N	48.083	E	33	N	4.6	1.2	10	WESTERN IRAN
18	07	14	40.6?	32.63	N	47.90	E	33	N	4.9	1.2	11	IRAN-IRAQ BORDER REGION
18	08	00	06.0&	60.537	N	144.728	W	23				58	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
18	08	07	19.1?	12.98	S	174.73	E	33	N	4.3	0.2	6	NORTH OF FIJI ISLANDS
18	09	22	46.8*	15.611	S	168.344	E	33	N	4.7	1.0	19	VANUATU ISLANDS
18	09	31	06.5?	23.68	S	179.87	W	500	G	4.2	1.0	15	SOUTH OF FIJI ISLANDS
18	09	51	02.0&	46.130	N	120.460	W	15				8	WASHINGTON. <SEA-P>. MD 2.5 (SEA).
18	09	55	10.5&	46.137	N	120.461	W	16				83	WASHINGTON. <SEA-P>. MD 3.3 (SEA).
18	10	10	22.2*	15.377	S	168.005	E	33	N	4.5	0.9	20	VANUATU ISLANDS
18	10	11	12.8*	15.666	S	168.145	E	33	N	4.8	1.4	24	VANUATU ISLANDS
18	10	42	04.7?	59.78	S	26.63	W	150	G		1.4	12	SOUTH SANDWICH ISLANDS REGION
18	11	23	15.6	45.718	N	26.734	E	118	D	4.5	1.2	127	ROMANIA. Felt (V) in the epicentral area and (IV) at Bucharest. Felt at Galati, Iasi and Tulcea. Also felt (IV) at Chisinau, Moldova.
18	11	36	52.7*	12.339	N	72.484	W	33	N	4.2	1.1	12	NEAR NORTH COAST OF COLOMBIA
18	12	23	47.2	47.176	N	9.106	E	5	G		1.2	41	GERMANY. ML 3.2 (GRF), 3.2 (VIE), 3.1 (LDG), 3.0 (FUR), 3.0 (STR).
18	12	29	18.8?	19.33	N	67.46	W	33	N		0.5	7	MONA PASSAGE. MD 3.3 (MPR).
18	12	49	58.8*	40.922	N	142.009	E	100	G	4.7	1.3	12	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in southern Aomori Prefecture.
18	13	07	41.7	37.570	N	20.656	E	33	N	5.9 6.4	1.4	402	IONIAN SEA. Mw 6.6 (HRV), 6.4 (GS), 6.3 (CSEM). Me 6.2 (GS). Ms 6.3 (BRK). ML 6.1 (THE). 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. Broadband Source Parameters (GS): Radiated energy 4.1*10**13 Nm. Complex event. Moment Tensor (GS): Dep 35; Principal axes (scale 10**18 Nm): (T) Val=4.37, Plg=53, Azm=2; (N) Val=-0.27, Plg=23, Azm=126; (P) Val=-4.10, Plg=27, Azm=228; Best double couple: Mo=4.2*10**18 Nm; NP1: Strike=0, Dip=27, Slip=148; NP2: Strike=120, Dip=76, Slip=67. Centroid, Moment Tensor (HRV): Centroid origin time 13:07:52.9; Lat 37.33 N; Lon 20.84 E; Dep 22.9; Half-duration 4.9 sec; Principal axes (scale 10**18 Nm): (T) Val=8.35, Plg=46, Azm=352; (N) Val=1.31, Plg=30, Azm=118; (P) Val=-9.66, Plg=30, Azm=227; Best double couple: Mo=9.0*10**18 Nm; NP1: Strike=8, Dip=31, Slip=162; NP2: Strike=113, Dip=81, Slip=60. Moment Tensor (CSEM): Dep 15; Principal axes: (T) Plg=38, Azm=38; (N) Plg=23, Azm=289; (P) Plg=43, Azm=175; Best double couple: Mo=3.1*10**18 Nm; NP1: Strike=191, Dip=23, Slip=-7; NP2: Strike=287, Dip=87, Slip=-113.
18	13	13	46.1	37.275	N	20.882	E	33	N	5.4	1.2	155	IONIAN SEA. ML 5.5 (THE).
18	13	22	46.4	37.374	N	21.006	E	10	G	4.9	1.3	115	SOUTHERN GREECE
18	13	27	21.6?	37.61	N	20.76	E	33	N		1.1	8	IONIAN SEA

18	13	28	18.2*	37.454	N	21.080	E	33	N	4.6	1.0	17	SOUTHERN GREECE
18	13	28	55.5*	37.459	N	21.110	E	33	N	4.5	1.2	12	SOUTHERN GREECE
18	13	31	14.1*	37.526	N	21.193	E	33	N	4.6	1.1	16	SOUTHERN GREECE
18	13	34	33.8*	37.498	N	20.996	E	33	N	4.3	0.8	9	IONIAN SEA
18	13	44	04.6	37.476	N	20.858	E	33	N	4.6	1.2	78	IONIAN SEA
18	13	48	00.6&	32.175	N	115.377	W	6	G			21	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.1 (PAS). MD 3.4 (ECX).
18	13	48	04.9*	37.479	N	20.897	E	33	N		1.0	12	IONIAN SEA
18	13	51	38.6*	37.470	N	21.439	E	33	N		0.6	8	SOUTHERN GREECE
18	13	53	33.0?	37.30	N	21.31	E	33	N		0.7	8	SOUTHERN GREECE
18	13	56	21.2	37.348	N	21.176	E	33	N	4.4	1.4	105	SOUTHERN GREECE
18	13	59	55.6?	37.44	N	21.34	E	33	N		0.6	5	SOUTHERN GREECE
18	14	03	32.5*	37.253	N	20.925	E	33	N	4.4	1.1	21	IONIAN SEA
18	14	10	19.1*	37.437	N	21.209	E	33	N		0.6	12	SOUTHERN GREECE
18	14	16	42.6*	40.965	N	19.731	E	33	N	4.1	1.0	8	ALBANIA
18	14	25	27.6	37.387	N	21.129	E	33	N	4.3	1.3	29	SOUTHERN GREECE
18	14	28	26.4*	37.271	N	21.449	E	33	N	4.2	0.6	15	SOUTHERN GREECE
18	14	46	38.0?	37.61	N	20.84	E	33	N	4.3	1.5	5	IONIAN SEA
18	15	10	20.7*	37.353	N	21.190	E	33	N	4.2	1.3	28	SOUTHERN GREECE
18	15	23	31.8	37.353	N	21.172	E	33	N	5.1	1.3	280	SOUTHERN GREECE. ML 5.3 (THE).
18	15	41	29.5	29.059	S	177.654	W	52	D	5.7 5.5	1.0	256	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:41:32.5; Lat 29.10 S; Lon 177.20 W; Dep 32.9; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=6.44, Plg=69, Azm=269; (N) Val=-1.22, Plg=5, Azm=13; (P) Val=-5.21, Plg=20, Azm=105; Best double couple: Mo=5.8*10**17 Nm; NP1: Strike=205, Dip=25, Slip=103; NP2: Strike=11, Dip=66, Slip=84.
18	16	02	43.6*	36.725	N	21.320	E	33	N	4.4	1.0	14	SOUTHERN GREECE
18	16	08	54.8*	37.106	N	21.256	E	33	N	4.1	1.2	8	SOUTHERN GREECE
18	16	20	03.2	37.341	N	20.967	E	33	N	4.3	1.2	33	IONIAN SEA
18	16	27	15.8?	37.27	N	20.52	E	33	N	4.3	1.3	8	IONIAN SEA
18	16	34	17.8*	47.713	N	152.812	E	100	G	4.5	1.0	14	KURIL ISLANDS
18	16	47	37.3*	41.825	N	21.191	E	10	G		1.2	6	NORTHWESTERN BALKAN REGION
18	16	51	05.6	37.256	N	21.025	E	33	N	4.0	1.0	22	SOUTHERN GREECE
18	17	24	54.1	37.412	N	20.912	E	33	N	4.1	0.9	21	IONIAN SEA
18	17	31	01.2*	37.289	N	20.236	E	33	N		1.2	13	IONIAN SEA
18	17	37	00.6?	17.95	S	168.82	E	33	N	4.2	1.1	9	VANUATU ISLANDS
18	17	43	41.9	37.444	N	20.955	E	33	N	4.4	1.0	21	IONIAN SEA
18	17	50	19.8	49.410	N	6.966	E	5	G		0.6	7	GERMANY. Mining induced event in the Lorraine region, France.
18	18	04	11.5	21.715	S	176.451	W	154	D	4.6	0.8	40	FIJI ISLANDS REGION
18	18	07	58.3%	39.057	N	26.851	E	10	G		0.5	8	TURKEY. MD 3.5 (ISK).
18	18	24	55.1	42.796	N	7.186	W	10	G		0.6	11	SPAIN. ML 3.7 (LDG). mbLg 3.6 (MDD). Felt (IV) at Barzlla, Becerrea, Samos and Sarria; (II) at Lugo.
18	18	35	45.2?	12.10	N	88.11	W	33	N	4.4	0.3	7	OFF COAST OF CENTRAL AMERICA
18	19	21	47.9	37.400	N	20.833	E	33	N	4.4	1.3	62	IONIAN SEA
18	19	23	01.7	37.649	N	119.029	W	5	G		0.9	12	CENTRAL CALIFORNIA. ML 3.0 (GS). Small precursor about 5 seconds prior to this event.
18	19	26	33.6&	59.450	N	152.319	W	54				74	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
18	20	06	17.6	37.299	N	21.211	E	33	N	4.2	1.1	40	SOUTHERN GREECE
18	20	11	05.3	38.879	N	25.855	E	10	G		0.6	18	AEGEAN SEA. MD 3.8 (ISK).
18	20	13	35.4	37.370	N	20.764	E	33	N		1.1	24	IONIAN SEA
18	20	25	08.2?	38.59	S	175.82	E	200	G		0.2	13	NORTH ISLAND, NEW ZEALAND
18	20	36	28.2?	33.63	N	46.07	E	33	N	4.1	1.1	8	IRAN-IRAQ BORDER REGION
18	20	51	28.2	37.323	N	20.950	E	33	N	4.3	1.1	46	IONIAN SEA
18	20	56	46.0*	37.364	N	20.699	E	33	N		1.4	12	IONIAN SEA
18	21	02	47.4*	37.446	N	20.596	E	33	N	4.2	1.4	13	IONIAN SEA
18	21	06	48.2*	7.652	N	37.312	W	10	G	4.6	1.2	21	CENTRAL MID-ATLANTIC RIDGE
18	21	40	45.2?	6.61	S	129.97	E	147	?	4.1	1.4	12	BANDA SEA
18	21	52	06.5	19.662	N	146.839	E	33	N	4.5 4.3	1.1	32	MARIANA ISLANDS REGION
18	21	54	43.2	6.800	N	94.225	E	84	*	4.5	0.8	24	NICOBAR ISLANDS, INDIA
18	22	22	07.6	37.196	N	20.714	E	33	N	4.1	0.9	19	IONIAN SEA
18	22	55	06.8	42.011	N	23.471	E	10	G		0.8	14	BULGARIA
18	22	59	39.8	37.292	N	21.318	E	33	N	4.5	1.4	93	SOUTHERN GREECE
18	23	20	49.9*	36.288	N	19.272	E	33	N		0.9	8	CENTRAL MEDITERRANEAN SEA
19	00	22	26.4?	37.18	N	20.23	E	33	N		1.0	5	IONIAN SEA
19	00	33	05.7	37.405	N	20.852	E	33	N	4.4	1.2	60	IONIAN SEA
19	01	16	28.5*	27.728	N	142.736	E	33	N	4.4	1.1	17	BONIN ISLANDS REGION
19	01	32	29.4	37.193	N	20.985	E	33	N	3.8	0.9	25	IONIAN SEA
19	02	00	54.1?	61.52	S	152.95	E	10	G		0.6	6	BALLENY ISLANDS REGION
19	02	02	50.7	42.978	N	12.689	E	10	G		1.2	27	CENTRAL ITALY. ML 3.5 (VIE), 3.3 (LDG). MD 3.2 (ROM). Felt (IV) in the epicentral area.
19	02	05	27.3?	15.67	S	174.50	W	100	G	4.5	0.7	13	TONGA ISLANDS
19	02	05	47.8?	37.70	N	20.55	E	33	N		1.5	8	IONIAN SEA
19	02	10	12.3?	3.43	S	149.58	E	33	N	4.1	1.5	9	BISMARCK SEA
19	02	14	14.1?	37.68	N	27.57	E	10	G		0.9	4	TURKEY. MD 3.1 (ISK).
19	02	33	29.5&	60.213	N	153.015	W	129				92	SOUTHERN ALASKA. <AEIC>.
19	02	34	20.6?	37.43	N	21.00	E	33	N		0.8	7	IONIAN SEA
19	02	44	06.8*	24.885	S	70.035	E	10	G	5.0	1.1	10	MID-INDIAN RIDGE
19	02	48	08.8*	2.548	S	134.099	E	33	N	4.1	1.2	10	IRIAN JAYA REGION, INDONESIA
19	02	48	33.8	37.334	N	20.994	E	33	N	4.2	1.1	37	IONIAN SEA
19	03	17	03.6*	19.412	S	175.897	W	200	G	4.6	0.9	16	TONGA ISLANDS
19	03	31	07.1	23.799	N	121.730	E	33	N	4.4	0.8	12	TAIWAN
19	05	15	37.9*	53.263	N	89.826	E	33	N	4.5	0.8	12	SOUTHWESTERN SIBERIA, RUSSIA
19	06	00	03.8*	37.413	N	21.029	E	33	N	4.0	1.3	11	SOUTHERN GREECE
19	06	05	08.6%	37.466	N	21.036	E	33	N		1.0	11	SOUTHERN GREECE
19	06	10	30.2	37.108	N	21.191	E	33	N	4.2	1.1	41	SOUTHERN GREECE
19	06	19	57.0	49.177	N	6.918	E	5	G		0.2	6	GERMANY
19	06	51	58.0*	22.034	N	101.706	E	33	N		0.9	12	MYANMAR-CHINA BORDER REGION. ML 3.8 (BJI).
19	07	08	40.9&	59.859	N	153.118	W	112				88	SOUTHERN ALASKA. <AEIC>.
19	07	41	45.8*	43.011	N	12.738	E	10	G		1.0	13	CENTRAL ITALY. ML 3.4 (LDG), 3.4 (VIE). MD 3.2 (ROM). Felt (IV) in the epicentral area.
19	08	16	25.8*	37.441	N	20.844	E	33	N		1.4	10	IONIAN SEA

19	08	41	36.3&	59.261	N	153.287	W	108				62	SOUTHERN ALASKA. <AEIC>.
19	09	03	29.2*	58.521	S	25.320	W	33	N		1.3	14	SOUTH SANDWICH ISLANDS REGION
19	09	07	56.5?	36.98	N	20.85	E	33	N	4.1	1.1	10	CENTRAL MEDITERRANEAN SEA
19	09	39	27.1?	43.75	N	7.50	E	5	G		0.4	5	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
19	10	34	17.0	3.230	N	76.467	W	86		4.5	0.9	49	COLOMBIA. Felt at Cali.
19	10	35	11.4?	43.73	N	2.28	E	5	G		0.5	4	FRANCE. ML 2.3 (LDG).
19	10	45	19.2?	21.33	S	174.25	W	33	N	4.6	1.3	11	TONGA ISLANDS
19	10	55	58.7*	38.807	N	25.473	E	10	G		0.6	6	AEGEAN SEA. MD 3.4 (ISK).
19	11	08	47.7	37.179	N	20.941	E	33	N		0.7	29	IONIAN SEA
19	11	11	17.7*	37.355	N	21.145	E	33	N		1.5	11	SOUTHERN GREECE
19	11	16	02.1?	13.24	N	88.98	W	77		4.1	1.0	21	EL SALVADOR. MD 3.5 (SSS). Felt (III) at San Salvador.
19	11	21	09.1*	15.996	S	176.182	W	350	G	4.2	0.6	20	FIJI ISLANDS REGION
19	11	55	16.9	37.379	N	20.977	E	33	N	4.2	0.9	40	IONIAN SEA
19	12	09	26.0	14.498	S	175.881	W	33	N	5.1 5.4	1.2	125	SAMOA ISLANDS REGION. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:09:28.5; Lat 14.64 S; Lon 175.54 W; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.96, Plg=0, Azm=314; (N) Val=-0.12, Plg=77, Azm=223; (P) Val=-3.84, Plg=13, Azm=44; Best double couple: Mo=3.9*10**17 Nm; NP1: Strike=89, Dip=81, Slip=-9; NP2: Strike=180, Dip=81, Slip=-171.
19	12	09	32.8&	63.049	N	150.844	W	129				60	CENTRAL ALASKA. <AEIC>.
19	12	11	12.2	48.961	S	121.525	E	10	G	4.7 4.7	1.1	40	SOUTH OF AUSTRALIA
19	13	18	50.0*	37.418	N	20.841	E	33	N		1.2	11	IONIAN SEA
19	13	33	32.2*	37.244	N	21.247	E	33	N		0.5	11	SOUTHERN GREECE
19	14	12	16.5*	52.061	N	171.176	W	33	N		1.1	9	FOX ISLANDS, ALEUTIAN ISLANDS
19	14	26	45.4?	22.69	S	112.62	E	10	G	3.7	1.5	9	WESTERN AUSTRALIA
19	15	09	47.3	42.947	N	12.902	E	10	G		1.2	52	CENTRAL ITALY. ML 4.1 (STR), 4.0 (VIE), 3.6 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
19	15	45	20.4	37.390	N	20.711	E	33	N	4.2	1.1	37	IONIAN SEA
19	15	53	45.3*	3.136	S	139.834	E	113	*	4.1	1.2	17	IRIAN JAYA, INDONESIA
19	16	04	33.5	37.417	N	20.834	E	33	N	4.1	1.0	30	IONIAN SEA
19	16	32	58.7	38.939	N	25.867	E	33	N		1.2	27	AEGEAN SEA. MD 3.7 (ISK).
19	17	07	15.0	34.180	N	140.415	E	70	*	4.7	1.2	55	NEAR EAST COAST OF HONSHU, JAPAN
19	17	21	19.9&	37.638	N	118.939	W	7				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (GS). Felt at Mammoth Lakes, California.
19	17	24	36.0*	34.256	N	141.074	E	49	*	4.3	0.7	21	OFF EAST COAST OF HONSHU, JAPAN
19	18	06	04.3?	50.92	S	139.37	E	10	G	4.0	0.9	8	SOUTH OF AUSTRALIA
19	18	09	03.6*	37.295	N	20.838	E	33	N		1.3	12	IONIAN SEA
19	18	30	28.7?	37.12	N	21.00	E	33	N	4.0	1.2	13	SOUTHERN GREECE
19	19	17	11.2*	10.629	S	113.215	E	33	N	3.9	1.4	12	SOUTH OF JAWA, INDONESIA
19	19	23	47.4*	37.292	N	20.939	E	33	N		0.9	21	IONIAN SEA
19	19	46	03.4*	35.008	N	23.101	E	33	N		1.0	12	CRETE
19	19	47	24.9?	34.79	S	70.89	W	90	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
19	20	00	05.0*	3.580	S	149.522	E	33	N	4.5	1.0	16	BISMARCK SEA
19	20	02	09.7	3.570	S	149.565	E	33	N	5.0 5.1	0.9	63	BISMARCK SEA. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:02:11.3; Lat 3.60 S; Lon 149.71 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.97, Plg=13, Azm=335; (N) Val=-0.06, Plg=71, Azm=200; (P) Val=-1.90, Plg=13, Azm=68; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=112, Dip=71, Slip=1; NP2: Strike=21, Dip=89, Slip=161.
19	20	52	24.5	0.626	N	125.770	E	33	N	4.5	0.9	23	NORTHERN MOLUCCA SEA
19	21	05	17.9&	37.617	N	122.015	W	5				17	CENTRAL CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.3 (BRK), 3.1 (GS). Felt at Fremont, Hayward and Pleasanton.
19	21	09	15.6	42.059	N	23.450	E	10	G		0.3	6	BULGARIA
19	21	16	40.0	38.862	N	25.800	E	33	N		0.8	17	AEGEAN SEA. MD 3.7 (ISK).
19	21	58	28.7	34.874	N	86.877	E	33	N	4.8 4.4	1.1	35	XIZANG
19	22	12	49.6?	11.15	N	62.33	W	150	G		0.6	8	WINDWARD ISLANDS. MD 3.4 (TRN).
19	22	39	56.8*	40.367	N	63.418	E	33	N	4.3	1.3	24	NORTHWESTERN UZBEKISTAN
19	23	22	35.2*	48.616	S	126.264	E	10	G	4.5	1.3	19	SOUTH OF AUSTRALIA
19	23	23	36.8*	31.925	N	82.923	E	33	N	4.2	1.0	11	XIZANG
19	23	24	14.2*	37.558	N	20.990	E	33	N		0.8	12	IONIAN SEA
19	23	51	00.4&	37.621	N	118.972	W	8				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
19	23	53	21.5*	19.568	N	146.611	E	33	N	4.9	1.0	15	MARIANA ISLANDS REGION
19	23	53	32.9	37.527	N	20.760	E	33	N	4.4	1.2	36	IONIAN SEA
20	00	26	24.0*	37.531	N	20.787	E	33	N	4.2	1.3	22	IONIAN SEA
20	00	28	42.1*	37.836	N	21.307	E	33	N		0.7	9	SOUTHERN GREECE
20	01	10	09.9*	37.357	N	20.796	E	33	N	4.0	1.3	21	IONIAN SEA
20	01	30	30.0?	13.50	N	89.45	W	33	N		1.2	8	EL SALVADOR
20	01	51	18.1	37.302	N	21.138	E	33	N	4.4	1.0	42	SOUTHERN GREECE
20	01	54	14.2*	12.414	N	87.048	W	112	D	4.2	1.1	16	NEAR COAST OF NICARAGUA
20	01	56	22.3	41.000	N	142.525	E	56	D	4.9	1.0	118	HOKKAIDO, JAPAN REGION. Mw 5.2 (HRV). Felt (II JMA) in the Urakawa area. Also felt (II JMA) in eastern Aomori and northern Iwate Prefectures, Honshu. Centroid, Moment Tensor (HRV): Centroid origin time 01:56:21.7; Lat 40.50 N; Lon 143.22 E; Dep 90.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.76, Plg=27, Azm=16; (N) Val=-0.35, Plg=43, Azm=257; (P) Val=-6.41, Plg=35, Azm=127; Best double couple: Mo=6.6*10**16 Nm; NP1: Strike=158, Dip=43, Slip=-7; NP2: Strike=253, Dip=85, Slip=-133.
20	02	17	37.8?	1.23	S	136.71	E	33	N	4.1	1.4	8	IRIAN JAYA REGION, INDONESIA
20	03	33	42.0	30.710	S	71.759	W	33	N		0.8	23	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
20	03	51	05.4?	45.01	N	149.29	E	33	N		1.2	7	KURIL ISLANDS
20	03	56	06.7&	44.730	N	6.852	E	5	G		0.6	6	FRANCE. ML 1.8 (LDG).
20	03	58	54.8	42.758	N	12.994	E	10	G		1.2	40	CENTRAL ITALY. ML 3.9 (VIE), 3.6 (LDG). MD 3.3 (ROM). Felt (IV) in the epicentral area.
20	04	54	04.8*	37.110	N	21.155	E	33	N	4.2	1.3	18	SOUTHERN GREECE
20	04	55	29.3*	37.333	N	20.919	E	33	N		0.9	11	IONIAN SEA
20	05	03	50.4	51.657	N	16.236	E	5	G		0.9	14	POLAND. ML 3.3 (VIE).
20	05	06	03.3	37.291	N	21.221	E	33	N	4.4	1.2	58	SOUTHERN GREECE

20	05	45	34.8	29.238	N	142.495	E	33	N	4.6		1.0	33	SOUTH OF HONSHU, JAPAN
20	05	46	41.2?	51.23	S	139.36	E	10	G	4.2		1.2	11	SOUTH OF AUSTRALIA
20	05	59	00.8*	6.218	S	154.718	E	33	N	3.9		0.9	13	SOLOMON ISLANDS
20	06	08	10.3	59.057	S	25.511	W	33	N	5.2	5.2	1.0	90	SOUTH SANDWICH ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:08:17.0; Lat 59.32 S; Lon 25.14 W; Dep 27.0; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.61, Plg=73, Azm=276; (N) Val=-0.60, Plg=7, Azm=31; (P) Val=-2.01, Plg=15, Azm=123; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=223, Dip=30, Slip=105; NP2: Strike=27, Dip=61, Slip=82.
20	06	23	30.2*	37.612	N	20.550	E	33	N	4.0		1.3	20	IONIAN SEA
20	06	44	41.1?	39.79	N	28.58	E	10	G			0.4	4	TURKEY. MD 2.6 (ISK).
20	08	51	24.6&	33.824	S	70.020	W	10	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
20	09	16	02.3?	22.17	S	179.04	E	600	G	4.0		0.5	12	SOUTH OF FIJI ISLANDS
20	09	16	27.9*	29.239	N	142.329	E	45	D	4.4		1.4	26	SOUTH OF HONSHU, JAPAN
20	09	17	38.5*	29.279	N	142.447	E	33	N	4.4	4.0	1.4	14	SOUTH OF HONSHU, JAPAN
20	09	25	48.3*	29.365	N	143.001	E	33	N	4.3		1.0	15	SOUTH OF HONSHU, JAPAN
20	09	57	35.5*	6.815	S	146.173	E	33	N	3.6		1.2	7	EASTERN NEW GUINEA REG., P.N.G.
20	10	40	38.0	7.429	S	128.184	E	142		5.1		1.3	71	BANDA SEA
20	11	06	56.8?	23.00	N	100.91	E	33	N	3.6		1.5	9	YUNNAN, CHINA
20	11	40	59.8?	17.96	S	167.40	E	33	N	4.1		1.1	8	VANUATU ISLANDS
20	11	59	12.2?	19.03	N	145.27	E	33	N	4.3		1.1	11	MARIANA ISLANDS
20	12	26	02.4&	43.301	N	0.207	W	5	G			1.4	6	PYRENEES. ML 2.5 (LDG).
20	12	59	21.7?	30.86	S	71.71	W	33	N			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
20	13	12	02.4	38.964	N	25.792	E	33	N			0.3	9	AEGEAN SEA. MD 3.4 (ISK).
20	14	23	54.9&	39.439	S	177.740	E	33	N			0.3	11	OFF E. COAST OF N. ISLAND, N.Z. ML 4.1 (WEL).
20	14	26	56.6*	5.615	S	151.212	E	33	N	4.0		1.4	16	NEW BRITAIN REGION, P.N.G.
20	15	56	20.1*	17.177	N	62.395	W	120	G			0.6	6	LEEWARD ISLANDS. MD 3.0 (TRN).
20	16	03	12.8&	45.242	N	6.615	E	5	G			1.4	6	FRANCE. ML 2.1 (LDG).
20	16	17	20.2	35.180	N	87.440	E	33	N	4.4		1.0	28	XIZANG
20	16	26	25.9*	21.575	N	143.351	E	300	G			0.5	9	MARIANA ISLANDS REGION
20	16	30	23.3*	37.446	N	20.769	E	33	N	4.0		0.8	15	IONIAN SEA
20	16	41	53.9*	24.133	S	69.860	E	10	G	4.7	4.4	1.1	28	MID-INDIAN RIDGE
20	16	43	00.2	56.113	S	27.475	W	100	G	4.8		0.7	33	SOUTH SANDWICH ISLANDS REGION
20	17	14	13.2?	14.80	S	175.45	W	33	N	4.0		1.5	10	SAMOA ISLANDS REGION
20	17	20	26.2?	34.19	S	70.06	W	5	G			0.6	8	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
20	17	26	04.6	5.938	S	149.605	E	56	D	5.1	4.8	1.1	75	NEW BRITAIN REGION, P.N.G. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:26:08.8; Lat 6.08 S; Lon 149.68 E; Dep 46.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.69, Plg=67, Azm=324; (N) Val=-1.12, Plg=13, Azm=87; (P) Val=-8.57, Plg=19, Azm=182; Best double couple: Mo=9.1*10**16 Nm; NP1: Strike=292, Dip=29, Slip=118; NP2: Strike=81, Dip=65, Slip=75.
20	17	40	43.7*	18.341	N	68.459	W	150	*			0.2	14	MONA PASSAGE. MD 4.4 (MPR).
20	17	42	41.3&	33.615	S	70.868	W	70	G			0.2	7	CHILE-ARGENTINA BORDER REGION
20	18	33	28.9?	10.52	S	66.45	E	10	G	4.5		0.9	11	MID-INDIAN RIDGE
20	19	52	57.5?	11.71	N	86.47	W	300	G	3.9		1.4	14	NEAR COAST OF NICARAGUA
20	20	55	03.6	23.136	N	93.878	E	60	*	4.5		1.0	27	MYANMAR-INDIA BORDER REGION
20	22	06	58.2*	24.396	S	67.117	W	184		4.4		1.2	18	CHILE-ARGENTINA BORDER REGION
20	23	04	56.8?	14.25	S	167.02	E	33	N			1.0	6	VANUATU ISLANDS
20	23	43	19.2	37.467	N	20.720	E	33	N	4.4		1.2	32	IONIAN SEA
20	23	45	29.0?	56.07	S	123.46	W	10	G	4.4		1.4	15	SOUTHERN EAST PACIFIC RISE
20	23	55	26.2&	62.482	N	151.134	W	84					70	CENTRAL ALASKA. <AEIC>.
21	00	47	41.7*	37.264	N	20.975	E	33	N	4.5		1.2	12	IONIAN SEA
21	01	31	32.4	46.732	N	7.176	E	10	G			1.2	16	SWITZERLAND. ML 2.3 (LDG), 2.1 (STR).
21	01	41	05.0?	64.99	N	168.70	W	10	G	3.6		1.0	13	BERING STRAIT
21	02	03	03.7	39.624	N	71.516	E	33	N			0.6	6	TAJIKISTAN
21	02	20	46.2	58.584	N	143.329	W	10	G			0.8	30	GULF OF ALASKA. ML 2.6 (AEIC).
21	02	58	06.7*	30.261	S	69.160	W	180	G			0.8	11	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
21	04	08	42.0?	23.22	S	179.75	E	600	G	4.2		0.8	13	SOUTH OF FIJI ISLANDS
21	04	27	38.8&	54.312	N	162.419	W	2					17	ALASKA PENINSULA. <AEIC>. ML 3.6 (AEIC).
21	04	31	41.1	59.727	N	29.834	W	10	G	4.7	4.7	1.2	70	NORTH ATLANTIC OCEAN
21	04	41	29.9&	40.383	N	28.860	E	5	G			1.3	5	TURKEY. MD 2.7 (ISK).
21	04	48	40.5*	13.381	S	174.928	E	33	N	4.6		1.4	19	FIJI ISLANDS REGION
21	04	59	22.6*	30.383	N	130.163	E	76	*	3.6		0.6	7	KYUSHU, JAPAN
21	05	35	27.1*	37.676	N	20.765	E	33	N	4.1		1.3	17	IONIAN SEA
21	06	25	51.3&	39.065	N	27.980	E	10	G			1.5	5	TURKEY. MD 2.8 (ISK).
21	06	35	16.8*	31.072	S	71.884	W	5	G			0.5	10	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
21	06	36	50.3&	39.001	N	27.994	E	10	G			0.6	7	TURKEY. MD 3.0 (ISK).
21	06	37	29.5*	37.387	N	21.055	E	33	N			1.2	10	SOUTHERN GREECE
21	06	57	03.1*	37.149	N	20.832	E	33	N			0.9	9	IONIAN SEA
21	07	03	30.7	15.613	S	74.458	W	47	D	5.1	4.5	1.0	106	NEAR COAST OF PERU. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:03:39.3; Lat 15.64 S; Lon 74.77 W; Dep 51.0; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.41, Plg=6, Azm=307; (N) Val=0.25, Plg=71, Azm=56; (P) Val=-1.66, Plg=18, Azm=215; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=353, Dip=73, Slip=-171; NP2: Strike=260, Dip=82, Slip=-18.
21	07	33	35.2&	18.559	N	67.006	W	100	G			0.2	9	MONA PASSAGE. MD 3.7 (MPR).
21	08	01	18.6*	15.876	S	174.714	W	33	N	4.7	4.6	1.1	34	TONGA ISLANDS
21	09	09	53.3?	5.64	N	126.05	E	100	G	3.8		1.3	10	MINDANAO, PHILIPPINE ISLANDS
21	09	16	15.4*	38.636	N	76.712	E	33	N	4.1		1.1	11	SOUTHERN XINJIANG, CHINA
21	09	34	37.9?	1.17	N	84.79	W	33	N	4.1		0.9	13	OFF COAST OF ECUADOR
21	11	14	33.0*	59.414	S	65.821	W	33	N	4.7	4.4	1.1	22	DRAKE PASSAGE
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). 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.

													Broadband Source Parameters (GS): Dep 54; Radiated energy 4.4*10**12 Nm. Two events about 1.75 seconds apart. Depth based on first event. Moment Tensor (GS): Dep 50; Principal axes (scale 10**18 Nm): (T) Val=1.33, Plg=42, Azm=140; (N) Val=0.28, Plg=32, Azm=264; (P) Val=-1.61, Plg=31, Azm=17; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=161, Dip=33, Slip=169; NP2: Strike=260, Dip=84, Slip=57. Centroid, Moment Tensor (HRV): Centroid origin time 11:23:09.1; Lat 22.21 N; Lon 92.70 E; Dep 54.4 Fix; Half-duration 2.7 sec; Principal axes (scale 10**18 Nm): (T) Val=1.47, Plg=41, Azm=139; (N) Val=0.16, Plg=36, Azm=268; (P) Val=-1.64, Plg=28, Azm=21; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=163, Dip=37, Slip=168; NP2: Strike=263, Dip=83, Slip=54.
21	12	17	07.8*	37.525	N	20.645	E	33	N	4.2		1.1	13	IONIAN SEA
21	13	09	24.1?	32.59	S	71.97	W	20	G			0.5	9	NEAR COAST OF CENTRAL CHILE
21	13	31	41.5	7.031	S	145.305	E	33	N	3.7		1.5	13	NEAR S COAST OF NEW GUINEA, PNG.
21	15	28	05.8	19.879	S	133.852	E	10	G			0.9	7	NORTHERN TERRITORY, AUSTRALIA
21	16	01	56.4	47.569	N	152.072	E	33	N	4.6		0.9	43	KURIL ISLANDS
21	16	10	09.1*	37.266	N	20.436	E	33	N	4.1		1.2	18	IONIAN SEA
21	16	31	22.0*	15.057	S	167.270	E	33	N			1.1	16	VANUATU ISLANDS
21	16	50	31.1	31.864	N	142.352	E	33	N	4.4		1.1	27	SOUTH OF HONSHU, JAPAN
21	17	22	39.7	37.350	N	21.116	E	33	N	4.5		1.4	36	SOUTHERN GREECE
21	17	47	36.0	37.277	N	21.139	E	33	N	4.4		1.4	27	SOUTHERN GREECE. ML 3.9 (ROM).
21	17	54	19.1*	4.273	N	126.961	E	33	N	4.6	4.2	1.4	27	TALAUD ISLANDS, INDONESIA
21	17	55	08.7*	19.202	S	177.640	W	600	G	4.5		0.9	24	FIJI ISLANDS REGION
21	18	00	40.9*	37.311	N	21.001	E	33	N	4.2		1.1	19	SOUTHERN GREECE
21	18	18	38.1*	5.297	S	144.719	E	33	N	4.1		1.5	12	NEW GUINEA, PAPUA NEW GUINEA
21	18	25	48.1?	37.19	N	20.90	E	33	N			1.6	8	IONIAN SEA
21	18	49	25.4*	17.988	N	145.774	E	250	G	3.7		0.8	13	MARIANA ISLANDS
21	18	52	44.8?	45.63	N	26.41	E	150	G			0.3	6	ROMANIA
21	19	36	03.7	21.512	S	68.128	W	150	G	4.7		0.5	17	CHILE-BOLIVIA BORDER REGION
21	19	53	57.4	37.178	N	21.165	E	33	N	4.2		1.0	19	SOUTHERN GREECE
21	20	01	10.9?	35.85	N	70.57	E	123	?	4.0		0.6	7	HINDU KUSH REGION, AFGHANISTAN
21	20	05	47.1&	60.563	N	149.562	W	34					72	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC), 3.4 (PMR).
21	20	09	29.8*	51.014	S	139.018	E	26	D	4.2		1.3	21	SOUTH OF AUSTRALIA
21	20	30	31.8*	5.984	N	126.634	E	136	*	4.8		1.0	30	MINDANAO, PHILIPPINE ISLANDS
21	20	39	11.9*	43.003	N	12.733	E	10	G			1.5	16	CENTRAL ITALY. ML 3.0 (LDG), 3.0 (VIE). MD 2.9 (ROM). Felt (III) in the epicentral area.
21	21	18	27.2	44.501	N	114.848	W	5	G			0.7	37	WESTERN IDAHO. ML 3.7 (GS), 3.9 (BUT).
21	21	32	00.2*	59.188	S	25.918	W	33	N	4.7		0.5	19	SOUTH SANDWICH ISLANDS REGION
21	23	24	07.0*	4.827	S	29.383	E	10	G	4.7		0.7	14	LAKE TANGANYIKA REGION
21	23	25	02.6*	19.868	N	121.774	E	33	N	4.5		0.4	8	PHILIPPINE ISLANDS REGION
21	23	46	53.6%	39.363	N	28.199	E	5	G			0.6	5	TURKEY. MD 2.9 (ISK).
22	00	23	51.5*	31.859	S	71.744	W	33	N			0.4	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
22	00	25	09.6%	11.222	N	61.018	W	5	G			0.5	7	WINDWARD ISLANDS. MD 3.0 (TRN).
22	01	33	18.8&	38.887	N	123.218	W	3					26	NEAR COAST OF NORTHERN CALIF. <GM-P>. Mw 3.9 (BRK). ML 3.7 (GM), 3.9 (BRK). Moment Tensor (BRK): Dep 5; Principal axes (scale 10**14 Nm): (T) Val=6.93, Plg=6, Azm=298; (N) Val=0.00, Plg=79, Azm=179; (P) Val=-6.93, Plg=10, Azm=29; Best double couple: Mo=6.9*10**14 Nm; NP1: Strike=164, Dip=87, Slip=-169; NP2: Strike=73, Dip=79, Slip=-3.
22	01	58	17.8?	37.48	N	20.75	E	33	N			0.9	7	IONIAN SEA
22	02	22	46.0&	38.891	N	123.220	W	1					15	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.4 (GM).
22	02	34	43.7	22.148	N	92.607	E	53	D	4.8		0.8	98	INDIA-BANGLADESH BORDER REGION. Felt at Bandarban, Chittagong, Cox's Bazar and Rangamati, Bangladesh.
22	03	21	14.1&	37.634	N	118.919	W	8					9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.7 (GS).
22	03	44	14.3?	11.23	N	85.85	W	33	N	4.1		1.3	10	NICARAGUA
22	04	03	23.0	37.297	N	20.965	E	33	N			0.8	9	IONIAN SEA
22	04	14	28.6	17.689	S	178.681	W	500	G	4.6		0.9	93	FIJI ISLANDS REGION
22	04	56	10.6	47.207	N	9.155	E	10	G	4.4		1.4	105	GERMANY. ML 4.2 (VIE), 4.1 (STR), 4.1 (GRF), 4.0 (LDG), 4.0 (FUR).
22	05	31	58.2	47.266	N	9.267	E	10	G			1.1	15	GERMANY. ML 2.4 (STR), 2.2 (LDG).
22	05	51	56.0	6.386	S	155.069	E	33	N	4.7		0.8	21	SOLOMON ISLANDS
22	06	16	38.5*	19.413	N	108.424	W	33	N	4.2		1.2	14	REVILLA GIGEDO ISLANDS REGION
22	06	21	15.6	37.358	N	20.912	E	33	N			0.9	16	IONIAN SEA
22	06	25	39.8	19.379	N	108.452	W	33	N	4.9	4.9	0.9	85	REVILLA GIGEDO ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:25:43.0; Lat 19.59 N; Lon 108.54 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.88, Plg=2, Azm=75; (N) Val=-0.14, Plg=79, Azm=176; (P) Val=-1.74, Plg=11, Azm=344; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=120, Dip=81, Slip=-174; NP2: Strike=29, Dip=84, Slip=-9.
22	07	13	08.2	37.395	N	20.948	E	33	N	4.3		1.1	27	IONIAN SEA
22	07	13	55.8&	37.650	N	118.874	W	6					9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
22	07	55	08.8&	60.315	N	153.062	W	147		4.4			122	SOUTHERN ALASKA. <AEIC>.
22	07	55	48.2	6.781	S	155.339	E	36	D	4.8	4.6	0.9	63	SOLOMON ISLANDS
22	08	31	46.9%	42.533	S	172.918	E	10	G			1.0	7	SOUTH ISLAND, NEW ZEALAND. ML 4.1 (WEL).
22	08	44	56.3	37.209	N	20.854	E	33	N	4.2		1.3	82	IONIAN SEA
22	08	46	47.0	10.147	S	118.725	E	33	N	4.0		0.8	8	SOUTH OF SUMBAWA, INDONESIA. ML 4.3 (DJA).
22	09	10	09.6	38.529	N	143.573	E	33	N	4.1		1.0	16	OFF EAST COAST OF HONSHU, JAPAN
22	09	35	01.7*	5.953	N	58.034	E	10	G	3.9		0.8	14	CARLSBERG RIDGE
22	10	18	36.3	30.649	S	71.722	W	10	G			1.1	18	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
22	11	25	05.8*	44.317	N	148.094	E	33	N	4.7		1.1	17	KURIL ISLANDS
22	11	27	47.7	35.388	N	78.368	E	33	N	4.6		1.3	32	EASTERN KASHMIR
22	11	52	46.6*	13.803	N	144.901	E	33	N	4.1		0.8	10	MARIANA ISLANDS
22	11	52	53.1*	19.547	N	109.222	W	33	N	4.3		0.8	37	REVILLA GIGEDO ISLANDS REGION
22	11	59	52.2%	40.642	N	35.329	E	10	G			0.8	9	TURKEY

22	12	06	55.9&	37.635	N	118.917	W	8		4.4		89	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 4.5 (BRK). ML 4.5 (GM), 4.6 (BRK). Felt at Mammoth Lakes and Big Creek, California. Moment Tensor (BRK): Dep 5; Principal axes (scale 10**15 Nm): (T) Val=6.57, Plg=22, Azm=233; (N) Val=0.00, Plg=11, Azm=327; (P) Val=-6.57, Plg=65, Azm=82; Best double couple: Mo=6.6*10**15 Nm; NP1: Strike=152, Dip=68, Slip=-78; NP2: Strike=302, Dip=25, Slip=-117.
22	12	20	25.3&	37.632	N	118.927	W	6				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.3 (GS). Two events about 8.5 seconds apart. Location is for the first event; magnitude is for the larger second event.
22	12	26	41.5&	37.633	N	118.927	W	9				41	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.3 (GM), 3.5 (GS).
22	12	26	42.4	42.702	N	2.773	E	10	G		0.9	14	PYRENEES. ML 3.5 (STR).
22	12	35	02.1*	36.021	S	179.261	E	250	G	4.3	1.1	25	OFF E. COAST OF N. ISLAND, N.Z.
22	12	36	23.8*	6.229	S	131.331	E	33	N	4.6	1.5	22	TANIMBAR ISLANDS REG., INDONESIA
22	12	53	50.0*	26.803	N	104.273	E	33	N	3.7	0.7	7	SOUTHEASTERN CHINA. ML 4.0 (BJI).
22	12	59	06.9&	37.633	N	118.930	W	7				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
22	13	41	08.3	28.852	S	71.375	W	33	N	5.2 4.4	0.9	96	NEAR COAST OF CENTRAL CHILE. Felt (III) at Copiapo and Tierra Amarilla.
22	13	52	26.3?	37.30	N	21.00	E	33	N		1.4	9	SOUTHERN GREECE
22	14	05	55.8*	28.188	N	139.933	E	350	G	4.6	0.9	25	BONIN ISLANDS REGION
22	15	06	05.2&	62.573	N	151.260	W	84				50	CENTRAL ALASKA. <AEIC>.
22	15	24	26.4	34.814	S	70.191	W	10	G	3.5	1.1	19	CHILE-ARGENTINA BORDER REGION
22	15	34	47.9&	37.634	N	118.931	W	7				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.0 (GM), 3.1 (GS).
22	15	58	16.6&	37.633	N	118.924	W	6				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.8 (GS).
22	16	09	08.6&	37.632	N	118.916	W	8				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.9 (GM), 3.1 (GS).
22	16	27	26.4	43.963	N	6.612	E	10	G		0.8	10	NEAR SOUTH COAST OF FRANCE. ML 2.2 (STR), 1.9 (LDG).
22	17	09	50.8&	37.636	N	118.932	W	7				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.7 (GM), 2.9 (GS).
22	17	10	41.4&	37.635	N	118.943	W	10				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.0 (GM), 3.2 (GS).
22	17	12	53.5&	37.645	N	118.936	W	0				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.3 (GM), 3.4 (GS). Double event.
22	17	20	35.1&	37.638	N	118.934	W	7		4.7 4.3		110	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 4.8 (BRK). ML 4.8 (GM), 4.9 (BRK). Felt at Mammoth Lakes, California. Scalar Moment (BRK): Mo=2.1*10**16 Nm.
22	17	24	02.0&	37.630	N	118.920	W	1				5	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.2 (GM), 3.3 (GS).
22	17	26	25.4	2.285	N	128.728	E	33	N	4.2	1.4	23	HALMAHERA, INDONESIA
22	17	28	42.4&	60.104	N	152.582	W	84				51	SOUTHERN ALASKA. <AEIC>.
22	17	33	45.1&	37.639	N	118.946	W	3				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.0 (GM), 3.0 (GS).
22	17	39	35.5&	37.634	N	118.935	W	12				14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.4 (GS).
22	17	44	33.6&	37.639	N	118.944	W	7				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.7 (GM), 2.8 (GS).
22	17	54	41.0*	0.855	N	133.059	E	33	N	4.7	1.1	15	IRIAN JAYA REGION, INDONESIA
22	17	59	32.9*	15.118	S	166.906	E	100	G	4.4	0.9	11	VANUATU ISLANDS
22	18	00	37.4&	37.644	N	118.949	W	8				17	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.5 (GM), 3.5 (BRK), 3.5 (GS).
22	18	03	46.9&	37.637	N	118.947	W	8				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.0 (GS).
22	18	05	02.2&	37.634	N	118.946	W	8				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.1 (GM), 3.2 (GS).
22	18	05	56.1&	37.627	N	118.929	W	8				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.2 (GS).
22	18	10	59.4&	37.636	N	118.949	W	8		4.2 3.7		93	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 4.5 (BRK). ML 4.7 (GM), 4.8 (BRK). Felt at Mammoth Lakes, California. Moment Tensor (BRK): Dep 11; Principal axes (scale 10**15 Nm): (T) Val=7.40, Plg=20, Azm=201; (N) Val=0.00, Plg=70, Azm=22; (P) Val=-7.40, Plg=0, Azm=291; Best double couple: Mo=7.4*10**15 Nm; NP1: Strike=245, Dip=76, Slip=166; NP2: Strike=338, Dip=76, Slip=14.
22	18	34	17.1*	3.682	N	128.475	E	33	N	4.1	0.7	9	NORTH OF HALMAHERA, INDONESIA
22	18	35	54.4&	37.636	N	118.933	W	9				34	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.2 (GM), 3.3 (GS).
22	18	37	09.2&	37.628	N	118.953	W	6				38	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.3 (GM), 3.4 (GS).
22	18	55	56.8&	37.636	N	118.945	W	6				12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.9 (GS).
22	19	02	04.5&	37.634	N	118.918	W	7				44	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.6 (GM). ML 3.6 (GS).
22	19	35	53.6&	37.638	N	118.960	W	8				14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.8 (GM), 2.9 (GS).
22	20	56	44.1*	59.400	S	25.782	W	33	N		0.6	10	SOUTH SANDWICH ISLANDS REGION
22	21	30	43.1?	21.56	S	170.05	E	33	N	4.4	1.4	20	LOYALTY ISLANDS REGION
22	22	04	06.7*	21.566	N	143.163	E	300	G	3.8	1.0	18	MARIANA ISLANDS REGION
22	22	40	34.1&	37.637	N	118.925	W	8				41	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.2 (GS).
22	22	40	58.9	0.755	N	25.910	W	10	G	4.3	0.9	11	CENTRAL MID-ATLANTIC RIDGE
22	22	49	38.2	28.844	S	71.422	W	25	D	4.4	1.2	32	NEAR COAST OF CENTRAL CHILE
22	23	04	08.5	47.294	N	9.233	E	5	G		0.9	16	GERMANY. ML 2.5 (STR), 2.2 (VIE), 2.1 (LDG).
22	23	12	54.2?	21.48	S	170.17	E	33	N	4.2	1.4	22	LOYALTY ISLANDS REGION
22	23	16	48.2&	37.631	N	118.938	W	6				16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (GS).
22	23	56	56.6	15.249	S	167.540	E	140	D	5.0	1.0	79	VANUATU ISLANDS
23	00	01	22.5?	43.13	N	12.70	E	10	G		0.9	10	CENTRAL ITALY. ML 2.8 (LDG).
23	00	17	45.9	21.688	S	170.337	E	33	N	5.2 5.2	1.2	92	LOYALTY ISLANDS REGION. Mw 5.6 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 00:17:49.1; Lat 21.59 S; Lon 170.59 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=3.12, Plg=14, Azm=138; (N) Val=-0.03, Plg=30, Azm=236; (P) Val=-3.09, Plg=56, Azm=26; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=194, Dip=41, Slip=-140; NP2: Strike=72, Dip=65, Slip=-57.

23	00	22	02.4*	37.463	N	20.324	E	33	N	4.5	1.3	8	IONIAN SEA
23	00	56	13.1&	59.941	N	153.260	W	122				32	SOUTHERN ALASKA. <AEIC>.
23	01	02	51.0&	37.637	N	118.926	W	5				22	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.2 (GM), 3.3 (GS).
23	01	05	09.2	2.027	S	98.906	E	24	D	4.6 4.4	0.8	35	SOUTHWEST OF SUMATERA, INDONESIA
23	02	08	29.6&	37.638	N	118.925	W	9				14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
23	02	12	58.6*	15.912	N	145.268	E	439	?	4.4	1.1	31	MARIANA ISLANDS
23	02	19	50.3&	37.640	N	118.951	W	7				47	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.7 (GM), 3.7 (BRK), 3.7 (GS).
23	02	50	27.2?	34.89	S	71.08	W	100	G		0.1	8	NEAR COAST OF CENTRAL CHILE. MD 2.6 (SAN).
23	03	09	39.8?	37.29	N	75.75	E	199	?		1.0	8	TAJIKISTAN-XINJIANG BORDER REG.
23	03	39	25.2&	37.635	N	118.958	W	7				12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.9 (GS).
23	03	42	10.0*	4.007	N	126.579	E	33	N	3.9	1.2	10	TALAUD ISLANDS, INDONESIA
23	03	51	00.4	39.959	N	138.829	E	23	D	5.8 5.2	1.0	377	EASTERN SEA OF JAPAN. Mw 5.6 (GS), 5.6 (HRV). Me 5.5 (GS). Felt (IV JMA) in parts of Akita and Iwate Prefectures, Honshu.

Broadband Source Parameters (GS): Dep 6; Radiated energy 3.8*10**12 Nm.

Moment Tensor (GS): Dep 15; Principal axes (scale 10**17 Nm): (T) Val=2.77, Plg=83, Azm=222; (N) Val=0.01, Plg=7, Azm=35; (P) Val=-2.78, Plg=1, Azm=125; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=222, Dip=45, Slip=100; NP2: Strike=29, Dip=46, Slip=80.

Centroid, Moment Tensor (HRV): Centroid origin time 03:51:04.5; Lat 40.04 N; Lon 138.58 E; Dep 15.0 Bdy; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.25, Plg=83, Azm=262; (N) Val=-0.12, Plg=3, Azm=18; (P) Val=-3.12, Plg=6, Azm=108; Best double couple: Mo=3.2*10**17 Nm; NP1: Strike=202, Dip=39, Slip=95; NP2: Strike=15, Dip=52, Slip=86.

23	04	04	03.3&	37.641	N	118.960	W	8				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.9 (GS).
23	04	27	23.5	51.251	N	178.172	W	33	N	4.5	0.9	38	ANDREANOF ISLANDS, ALEUTIAN IS.
23	04	44	20.6*	13.167	S	174.770	E	33	N	4.6	1.1	23	FIJI ISLANDS REGION
23	04	47	15.6&	37.636	N	118.974	W	7				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.7 (GS).
23	05	03	21.3?	37.63	N	20.00	E	33	N		1.6	7	IONIAN SEA
23	05	06	42.4&	37.634	N	118.943	W	7				20	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (GS).
23	05	12	25.8?	13.02	S	174.62	E	33	N	4.3	1.2	12	FIJI ISLANDS REGION
23	06	57	03.1&	37.635	N	118.946	W	7				47	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.8 (GM), 3.9 (BRK), 3.7 (GS).
23	06	58	08.4	52.096	N	169.834	W	33	N	5.1 4.8	1.2	127	FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.2 (HRV). ML 4.8 (PMR).

Centroid, Moment Tensor (HRV): Centroid origin time 06:58:10.9; Lat 51.91 N; Lon 169.91 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=7.42, Plg=67, Azm=5; (N) Val=0.24, Plg=9, Azm=251; (P) Val=-7.67, Plg=20, Azm=158; Best double couple: Mo=7.6*10**16 Nm; NP1: Strike=231, Dip=26, Slip=68; NP2: Strike=75, Dip=66, Slip=100.

23	07	11	14.6	51.379	N	179.323	W	33	N	4.7	1.1	72	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
23	07	21	39.8*	39.876	N	138.860	E	41	?	4.5	1.0	14	EASTERN SEA OF JAPAN
23	07	24	23.0?	51.26	S	139.34	E	10	G	4.4	1.4	17	SOUTH OF AUSTRALIA
23	07	54	31.5*	5.565	S	102.346	E	33	N	4.3	1.0	13	SOUTHERN SUMATERA, INDONESIA
23	08	06	32.2?	21.41	S	175.34	W	200	G	4.2	1.3	11	TONGA ISLANDS
23	08	12	05.8*	39.913	N	138.855	E	23	D	4.7	1.3	22	EASTERN SEA OF JAPAN
23	08	14	12.2&	37.638	N	118.951	W	8				12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.1 (GS).
23	08	24	33.4?	13.34	S	175.21	E	33	N	4.0	1.0	7	FIJI ISLANDS REGION
23	08	35	47.7	5.405	S	102.523	E	33	N	5.1 4.8	1.1	85	SOUTHERN SUMATERA, INDONESIA. Felt (II) at Kepahiang and Liwa.
23	08	55	47.1*	37.234	N	20.995	E	33	N		1.3	13	IONIAN SEA
23	09	42	08.5?	30.51	S	71.86	W	10	G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
23	09	49	44.5	39.898	N	139.025	E	23	D	4.6	0.9	17	NEAR WEST COAST OF HONSHU, JAPAN
23	10	30	15.0?	27.01	N	130.52	E	33	N	4.7	0.9	8	RYUKYU ISLANDS
23	10	43	21.9&	37.632	N	118.937	W	7				12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.0 (GS).
23	10	44	52.0*	1.740	N	126.837	E	136	*	4.6	0.9	16	NORTHERN MOLUCCA SEA
23	11	07	41.0?	12.96	S	174.40	E	22	D	3.9	0.9	10	NORTH OF FIJI ISLANDS
23	11	35	43.9*	15.210	S	75.402	W	48	D		1.3	6	NEAR COAST OF PERU
23	11	48	50.2?	8.63	S	127.36	E	33	N	3.5	1.5	6	TIMOR REGION, INDONESIA
23	11	54	13.0	1.303	S	67.659	E	10	G	4.9 4.6	1.2	47	CARLSBERG RIDGE. Mw 5.4 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 11:54:15.9; Lat 1.21 S; Lon 67.57 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.74, Plg=7, Azm=261; (N) Val=-0.40, Plg=77, Azm=22; (P) Val=-1.34, Plg=11, Azm=170; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=306, Dip=77, Slip=-177; NP2: Strike=215, Dip=87, Slip=-13.

23	12	24	40.7	48.067	N	6.963	E	5	G		0.2	6	FRANCE. ML 2.1 (LDG), 2.0 (FBB).
23	12	48	10.5*	28.146	N	129.180	E	65	*	3.8	1.3	14	RYUKYU ISLANDS
23	12	57	56.5	26.192	N	96.064	E	55		4.7	0.8	75	MYANMAR
23	14	33	53.2?	13.09	S	174.80	E	33	N	3.8	1.1	12	FIJI ISLANDS REGION
23	15	00	53.2	52.041	N	179.436	W	131	*	4.5	1.0	58	ANDREANOF ISLANDS, ALEUTIAN IS.

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23  15 18 35.0? 13.10  S  174.79  E   33 N  3.7        1.3   10  FIJI ISLANDS REGION
23  15 42 14.8* 12.996 S  174.740 E   33 N  4.5        1.0   22  NORTH OF FIJI ISLANDS
23  15 43 58.2  37.339 N   20.892 E   33 N  4.4        1.4   59  IONIAN SEA
23  16 02 54.0* 24.169 N  121.755 E   33 N  4.4        1.2    6  TAIWAN
23  16 18 13.3? 13.96  S  167.02  E  265 ?  4.3        1.1   17  VANUATU ISLANDS
23  17 03 05.3* 37.482 N   20.879 E   33 N               1.3   11  IONIAN SEA
23  17 21 29.1? 51.38  S  139.10  E   10 G  4.2        0.4    7  SOUTH OF AUSTRALIA
23  17 23 45.6  24.067 N  122.965 E   33 N  4.8        1.1   54  TAIWAN REGION. Felt (II JMA) on Yonaguni and (I JMA) on
                                                                  Iriomote-shima, Ryukyu Islands.
23  18 02 59.1   3.412 S  145.800 E   33 N  4.8        1.3   30  NEAR N COAST OF NEW GUINEA, PNG.
23  18 12 43.0* 51.656 N   16.071 E    5 G               1.5    9  POLAND. ML 2.9 (VIE).
23  18 36 37.6   3.411 S  145.754 E   33 N  5.2 4.6     1.0   93  NEAR N COAST OF NEW GUINEA, PNG. Mw 5.3 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   18:36:37.2; Lat 3.49 S; Lon 146.12 E; Dep 15.0 Fix; Half-
                                                                   duration 1.1 sec; Principal axes (scale 10**16 Nm): (T)
                                                                   Val=9.61, Plg=52, Azm=92; (N) Val=-1.27, Plg=36, Azm=293;
                                                                   (P) Val=-8.34, Plg=10, Azm=195; Best double couple:
                                                                   Mo=9.0*10**16 Nm; NP1: Strike=250, Dip=47, Slip=37; NP2:
                                                                   Strike=133, Dip=64, Slip=131.
23  19 08 20.5  19.046 S  169.880 E   33 N  4.9 4.6     1.2   53  VANUATU ISLANDS
23  20 04 06.2? 14.98  S  173.74  W   33 N  4.0        0.9   11  SAMOA ISLANDS REGION
23  20 27 26.8  47.259 N    9.276 E    5 G               1.0   11  GERMANY. ML 2.4 (VIE), 2.3 (STR), 2.2 (LDG).
23  20 28 25.0& 63.044 N  149.529 W   80                     31  CENTRAL ALASKA. <AEIC>.
23  20 34 27.3  10.593 N   63.673 W   10 G  4.0        1.3   28  NEAR COAST OF VENEZUELA. MD 4.7 (TRN).
23  21 52 51.6  37.159 N   21.193 E   33 N  4.1        1.3   25  SOUTHERN GREECE
23  22 21 03.5* 46.255 N    7.096 E    5 G               0.4    6  SWITZERLAND. ML 2.1 (STR), 1.9 (LDG).
23  22 23 29.8*  6.707 S  145.693 E  112 ?               0.1    6  NEW GUINEA, PAPUA NEW GUINEA
23  23 08 56.3* 43.180 N   29.363 W   10 G  4.5        0.8   12  NORTHERN MID-ATLANTIC RIDGE
24  00 30 41.9  36.605 N  121.082 W    5 G               0.6   10  CENTRAL CALIFORNIA. MD 2.8 (GM). ML 2.8 (GS).
24  00 38 48.8* 29.978 N  139.043 E  418 *  4.2        0.9   21  SOUTH OF HONSHU, JAPAN
24  00 44 35.7  37.627 N  118.979 W    5 G               0.6   23  CALIFORNIA-NEVADA BORDER REGION. MD 3.7 (GM). ML 3.7 (GS),
                                                                   3.7 (BRK).
24  00 50 43.3* 34.573 N   86.841 E   33 N               0.9    8  XIZANG
24  01 05 07.6? 51.20  N  178.30  W   33 N  4.2        0.6   21  ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.0 (PMR).
24  01 09 30.1  51.952 N  169.872 W   33 N  5.3 4.5     1.1  222  FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.1 (HRV). ML 5.1 (PMF).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   01:09:31.5; Lat 51.78 N; Lon 170.02 W; Dep 32.9; Half-
                                                                   duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                   Val=5.20, Plg=68, Azm=338; (N) Val=0.70, Plg=0, Azm=68; (P)
                                                                   Val=-5.90, Plg=22, Azm=158; Best double couple:
                                                                   Mo=5.6*10**16 Nm; NP1: Strike=248, Dip=23, Slip=90; NP2:
                                                                   Strike=68, Dip=67, Slip=90.
24  01 51 16.5? 13.47  S  174.21  E   33 N  4.8        1.3   12  FIJI ISLANDS REGION
24  02 01 10.2* 34.936 N   85.827 E   33 N  4.4        1.5   14  XIZANG
24  02 21 54.0% 44.667 N    7.221 E   10 G               0.4   11  NORTHERN ITALY. ML 2.0 (GEN).
24  02 22 06.5* 44.212 N   12.684 E   10 G               1.1   21  NORTHERN ITALY. ML 2.9 (LDG).
24  02 23 56.0  40.474 S  174.608 E   70     4.6        1.1   35  COOK STRAIT, NEW ZEALAND. Felt at Palmerston North, Wanganui
                                                                   and Wellington.
24  02 39 44.7* 37.381 N   20.806 E   33 N  4.0        1.2   22  IONIAN SEA
24  03 37 51.9*  3.651 S  140.441 E  107 *  3.8        1.3   11  IRIAN JAYA, INDONESIA
24  03 47 05.2% 23.837 N  121.993 E   33 N               1.4    9  TAIWAN
24  04 18 37.8?  4.86  S  151.82  E   33 N  4.2        0.9    6  NEW BRITAIN REGION, P.N.G.
24  04 37 04.2* 58.785 S   25.401 W   33 N  4.3        1.1   22  SOUTH SANDWICH ISLANDS REGION
24  04 43 20.5? 37.56  N   20.96  E   33 N               1.0    9  IONIAN SEA
24  05 30 34.5  37.311 N   21.255 E   33 N  4.4        1.4   49  SOUTHERN GREECE
24  07 48 01.2& 37.626 N  118.904 W    5                     18  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.2 (GM), 3.3
                                                                   (GS).
24  07 48 36.8? 37.60  N  118.98  W    5 G               0.2    4  CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (GS).
24  07 59 02.5  14.262 S  167.093 E  179 ?  4.4        0.9   27  VANUATU ISLANDS
24  08 44 46.2? 12.25  S  166.73  E  200 G  3.9        0.6   10  SANTA CRUZ ISLANDS
24  09 55 59.5% 40.671 N   35.248 E   10 G               0.5    7  TURKEY
24  10 07 34.4  43.127 N    0.773 W   10 G               1.1    9  PYRENEES. ML 1.9 (LDG), 1.8 (STR). Quarry blast.
24  10 35 31.2? 37.98  N   21.70  E  100 G               1.0    9  SOUTHERN GREECE
24  11 04 27.1  43.649 N  133.946 E  450     4.1        0.8   26  NEAR SOUTHEAST COAST OF RUSSIA
24  11 11 51.1* 37.100 S   96.067 W   10 G  4.8 4.4     0.9   37  SOUTHERN PACIFIC OCEAN
24  11 39 26.0% 31.698 S  117.066 E   10 G               0.7    6  WESTERN AUSTRALIA
24  11 40 37.4% 31.684 S  117.068 E   10 G               1.5    5  WESTERN AUSTRALIA
24  11 46 20.5? 36.88  N   21.25  E   33 N  3.8        1.2   16  SOUTHERN GREECE
24  11 59 12.8? 36.46  N   71.64  E  121 ?  4.2        1.2    9  AFGHANISTAN-TAJIKISTAN BORD REG.
24  12 43 21.4* 11.754 S  122.780 E   33 N  3.9        0.8    8  SOUTH OF TIMOR, INDONESIA
24  12 47 18.0& 37.635 N  118.943 W    8                     32  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.8 (GM), 3.8
                                                                   (BRK), 3.7 (GS).
24  13 11 48.3* 52.782 S   12.900 E   10 G  4.7        1.3   12  SOUTHWEST OF AFRICA
24  13 32 24.8? 51.26  S  138.65  E   10 G  4.1        0.8   11  SOUTH OF AUSTRALIA
24  15 04 01.2   6.229 S  142.315 E   33 N  3.5        1.1    9  NEW GUINEA, PAPUA NEW GUINEA
24  15 23 23.2* 11.457 S  165.387 E   44 D  3.4        0.5    6  SANTA CRUZ ISLANDS
24  15 37 09.2  13.187 S  174.779 E   33 N  5.2 5.3     1.0  123  FIJI ISLANDS REGION. Mw 5.7 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   15:37:10.0; Lat 13.01 S; Lon 174.99 E; Dep 15.0 Fix; Half-
                                                                   duration 1.5 sec; Principal axes (scale 10**17 Nm): (T)
                                                                   Val=3.31, Plg=20, Azm=190; (N) Val=0.14, Plg=5, Azm=282;
                                                                   (P) Val=-3.44, Plg=69, Azm=26; Best double couple:
                                                                   Mo=3.4*10**17 Nm; NP1: Strike=271, Dip=25, Slip=-102; NP2:
                                                                   Strike=104, Dip=65, Slip=-84.
24  15 48 20.4? 24.51  S  179.62  E  600 G  4.1        0.6   12  SOUTH OF FIJI ISLANDS
24  16 25 48.6* 39.855 N  138.834 E   33 N  3.9        1.0   13  EASTERN SEA OF JAPAN
24  19 04 54.0  41.324 N   14.497 E   10 G               1.1   21  SOUTHERN ITALY. ML 3.3 (LDG).
24  19 08 41.6* 38.982 N   28.071 W   10 G  4.4        1.5    8  AZORES ISLANDS
24  21 30 08.6   3.428 S  128.896 E  100 G  4.0        1.4    8  SERAM, INDONESIA
24  21 48 45.0   5.722 S  145.822 E   96     3.8        1.0   20  EASTERN NEW GUINEA REG., P.N.G.
24  22 13 39.1* 24.936 S   70.660 W   71 *  4.0        1.1   18  NEAR COAST OF NORTHERN CHILE
24  22 43 06.5? 13.24  S  174.48  E   33 N  4.4        0.1    5  FIJI ISLANDS REGION
24  23 13 26.7  48.996 N   89.520 E   10 G  4.7        0.8   53  MONGOLIA
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24	23	41	50.1	43.839	N	145.988	E	105	*	4.2	0.8	34	HOKKAIDO, JAPAN REGION. Felt (I JMA) in the Nemuro area.
25	00	31	50.8	42.031	N	23.452	E	10	G		1.1	21	BULGARIA
25	01	32	00.3?	35.85	N	71.00	E	115	?		0.7	8	HINDU KUSH REGION, AFGHANISTAN
25	01	35	53.2?	19.24	S	174.53	W	33	N		0.9	8	TONGA ISLANDS
25	01	37	43.1*	41.476	N	14.504	E	10	G		1.1	13	SOUTHERN ITALY. ML 3.5 (LDG).
25	01	44	27.5	5.776	S	105.283	E	148		4.8	1.1	43	SUNDA STRAIT
25	02	22	11.7*	13.136	S	174.681	E	33	N	4.7	0.9	31	FIJI ISLANDS REGION
25	02	36	52.6	13.224	S	174.732	E	33	N	4.9 4.9	0.9	52	FIJI ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:36:56.6; Lat 13.14 S; Lon 174.79 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**16 Nm): (T) Val=9.15, Plg=6, Azm=348; (N) Val=-0.07, Plg=26, Azm=255; (P) Val=-9.08, Plg=63, Azm=91; Best double couple: Mo=9.1*10**16 Nm; NP1: Strike=105, Dip=45, Slip=-51; NP2: Strike=236, Dip=57, Slip=-122.
25	02	59	59.3*	30.641	S	71.648	W	33	N		0.5	13	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
25	03	21	38.1*	1.702	N	127.422	E	100	G	4.4	0.8	11	HALMAHERA, INDONESIA
25	03	36	52.8?	0.34	S	124.05	E	33	N	4.3	1.2	6	SOUTHERN MOLUCCA SEA
25	05	00	01.7*	9.306	S	110.073	E	33	N	4.1	1.3	19	SOUTH OF JAWA, INDONESIA
25	05	00	27.2&	31.941	N	115.716	W	6	G			5	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.0 (PAS). MD 3.5 (ECX).
25	06	01	56.5?	4.76	S	151.15	E	71	?	3.9	1.4	10	NEW BRITAIN REGION, P.N.G.
25	06	17	47.6	40.333	N	20.248	E	10	G	4.0	1.0	48	GREECE-ALBANIA BORDER REGION
25	06	36	52.4?	40.18	N	141.59	E	130	?		1.1	9	NEAR EAST COAST OF HONSHU, JAPAN
25	06	47	15.9*	18.552	S	175.819	W	300	G	4.4	1.1	31	TONGA ISLANDS
25	06	53	33.7&	18.320	N	67.143	W	33	N		0.2	6	MONA PASSAGE. MD 2.8 (MPR).
25	07	06	57.8?	13.38	N	121.27	E	33	N	4.0	0.8	7	MINDORO, PHILIPPINE ISLANDS
25	08	29	03.8*	72.612	N	2.584	E	10	G	4.3	1.2	11	NORWEGIAN SEA
25	08	30	38.8*	10.833	S	123.281	E	33	N	3.7	1.3	8	TIMOR REGION, INDONESIA
25	08	51	13.5?	21.65	N	142.98	E	300	G	3.2	1.1	8	MARIANA ISLANDS REGION
25	08	53	28.5?	32.11	S	70.69	W	90	G		0.5	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
25	08	56	44.7*	13.153	S	174.276	E	21	D	4.6	0.9	14	FIJI ISLANDS REGION
25	10	17	38.3&	62.459	N	151.582	W	98				48	CENTRAL ALASKA. <AEIC>.
25	11	05	54.4*	51.057	S	138.681	E	10	G	4.2	0.9	13	SOUTH OF AUSTRALIA
25	11	10	24.0?	35.95	S	53.43	E	10	G	4.2	0.5	9	SOUTHWEST INDIAN RIDGE
25	11	21	25.3*	21.114	S	68.022	W	167	*		1.1	9	CHILE-BOLIVIA BORDER REGION
25	11	25	37.6	9.849	S	154.239	E	33	N	4.3	0.8	20	D'ENTRECASTEAUX ISLANDS REGION
25	11	32	53.1&	63.214	N	151.565	W	8				36	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.1 (PMR).
25	11	43	30.0	23.851	S	179.981	E	500	G	4.8	1.0	50	SOUTH OF FIJI ISLANDS
25	11	43	35.6*	27.056	N	96.870	E	33	N		1.2	13	MYANMAR-INDIA BORDER REGION
25	12	13	38.2	30.569	S	71.407	W	33	N	4.5	0.7	23	NEAR COAST OF CENTRAL CHILE. MD 4.9 (SAN). Felt (V) at Combarbala, Hurtado, Monte Patria, Ovalle and Punitaqui; (IV) at Andacollo, Canela, Coquimbo, Illapel, La Serena, Los Vilos, Salamanca and Vicuna; (III) at La Higuera and Paihuano; (II) at Papudo.
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). At least 90 buildings damaged (VI) in the Gorontalo area. Felt (III) at Manado. Broadband Source Parameters (GS): Dep 24; NP1: Strike=280, Dip=75, Slip=120; NP2: Strike=34, Dip=33, Slip=28; Radiated energy 4.7*10**14 Nm. Moment Tensor (GS): Dep 18; Principal axes (scale 10**19 Nm): (T) Val=3.65, Plg=58, Azm=188; (N) Val=0.00, Plg=12, Azm=78; (P) Val=-3.65, Plg=30, Azm=342; Best double couple: Mo=3.7*10**19 Nm; NP1: Strike=41, Dip=19, Slip=51; NP2: Strike=261, Dip=76, Slip=102. Centroid, Moment Tensor (HRV): Centroid origin time 12:14:42.9; Lat 1.37 N; Lon 122.71 E; Dep 29.4; Half-duration 8.3 sec; Principal axes (scale 10**19 Nm): (T) Val=4.01, Plg=66, Azm=183; (N) Val=0.23, Plg=1, Azm=275; (P) Val=-4.24, Plg=24, Azm=6; Best double couple: Mo=4.1*10**19 Nm; NP1: Strike=98, Dip=21, Slip=93; NP2: Strike=275, Dip=69, Slip=89. Scalar Moment (PPT): Mo=2.4*10**19 Nm.
25	13	00	48.1&	39.673	N	122.146	W	17				24	NORTHERN CALIFORNIA. <GM-P>. ML 3.5 (GM), 3.6 (BRK).
25	13	03	35.1*	6.798	S	147.381	E	70	*	4.1	1.2	17	EASTERN NEW GUINEA REG., P.N.G.
25	13	15	06.9*	12.893	N	143.377	E	150	G	4.6	1.3	27	SOUTH OF MARIANA ISLANDS
25	13	17	22.9&	37.632	N	118.890	W	8				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.7 (GS).
25	13	20	06.1	47.012	N	1.102	W	10	G		0.8	17	FRANCE. ML 3.7 (STR), 3.5 (LDG).
25	13	39	54.7	1.243	N	122.647	E	33	N	4.7	1.1	17	MINAHASSA PENINSULA, SULAWESI
25	13	47	14.1	42.985	N	12.743	E	10	G		1.0	32	CENTRAL ITALY. ML 3.8 (VIE), 3.6 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
25	14	07	59.6&	44.426	N	7.548	E	5	G		0.5	9	NORTHERN ITALY. ML 2.3 (LDG).
25	14	11	19.2?	16.80	S	68.48	W	213	*		1.2	7	PERU-BOLIVIA BORDER REGION
25	14	15	32.8	37.592	N	17.897	W	10	G	5.2 5.0	1.1	178	NORTH ATLANTIC OCEAN
25	15	43	50.5?	51.79	N	176.20	W	61	*	4.1	1.1	9	ANDREANOF ISLANDS, ALEUTIAN IS.
25	15	46	04.4*	7.986	S	116.509	E	33	N	4.0	0.9	10	BALI SEA
25	16	07	20.5&	37.636	N	118.924	W	7				18	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.0 (GM), 3.2 (GS).
25	16	25	55.4&	33.814	S	70.238	W	110	G		0.3	8	CHILE-ARGENTINA BORDER REGION
25	16	42	15.2?	6.76	S	147.33	E	72	*	3.7	1.0	8	EASTERN NEW GUINEA REG., P.N.G.
25	17	01	36.2	46.532	N	153.382	E	33	N	5.5 4.8	0.9	340	KURIL ISLANDS
25	17	59	33.0	37.028	N	21.243	E	33	N	4.0	1.2	25	SOUTHERN GREECE
25	18	11	46.1&	10.629	N	61.418	W	33	N		0.4	7	TRINIDAD. MD 3.2 (TRN).
25	18	46	03.3&	57.215	N	151.539	W	10	G	4.4		114	KODIAK ISLAND REGION. <AEIC>. ML 4.7 (AEIC), 4.6 (PMR). Felt at Kodiak.
25	19	00	30.7	7.396	S	128.766	E	140	*	4.4	1.1	28	BANDA SEA
25	20	52	28.6&	37.637	N	118.938	W	7				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.9 (GS).
25	21	03	52.0&	64.210	N	132.880	W	5	G			66	SOUTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 4.8 (PGC).
25	21	17	06.4*	52.023	N	169.906	W	33	N		1.2	10	FOX ISLANDS, ALEUTIAN ISLANDS
25	21	47	45.3?	30.90	S	71.85	W	33	N		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
25	22	06	06.9&	60.012	N	152.801	W	108				31	SOUTHERN ALASKA. <AEIC>.

25	22	19	20.6&	59.175	N	151.918	W	56				11	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
25	22	28	12.0&	64.220	N	132.920	W	0	G	4.9		101	SOUTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 5.1 (PGC). Felt at Mayo.
25	22	37	50.8*	4.995	S	133.909	E	33	N	4.0	1.1	8	IRIAN JAYA REGION, INDONESIA
25	23	44	18.7*	45.781	N	27.960	E	64	*		1.2	15	ROMANIA
25	23	55	15.6	44.396	N	6.482	E	5	G		0.4	29	FRANCE. ML 2.9 (GEN), 2.7 (LDG).
26	00	05	34.9&	47.789	N	123.074	W	47				66	WASHINGTON. <SEA-P>. MD 3.7 (SEA). Felt at Victoria, British Columbia, Canada.
26	01	16	48.3*	37.006	N	21.209	E	33	N		0.7	13	SOUTHERN GREECE
26	01	32	05.8*	37.370	N	20.743	E	33	N	4.1	1.3	24	IONIAN SEA
26	03	24	40.2?	32.37	S	71.60	W	33	N		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
26	03	37	29.9	38.770	N	24.850	E	10	G	4.3	0.9	40	AEGEAN SEA. MD 3.9 (ISK).
26	04	04	55.1?	15.89	S	178.56	E	33	N		0.9	12	FIJI ISLANDS
26	04	21	58.9	9.052	S	124.400	E	84	*	4.9	1.2	28	TIMOR REGION, INDONESIA
26	04	29	26.4?	51.40	N	16.19	E	5	G		0.1	4	POLAND
26	04	31	33.6?	37.01	N	20.84	E	33	N		1.3	9	IONIAN SEA. ML 3.7 (ROM).
26	04	38	09.0*	0.938	N	127.843	E	33	N	4.3	1.5	19	HALMAHERA, INDONESIA
26	04	42	04.0*	7.368	N	94.346	E	33	N	3.7	1.3	11	NICOBAR ISLANDS, INDIA
26	05	14	53.0&	34.010	N	117.220	W	11				1	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.3 (PAS). Felt at Riverside.
26	05	56	28.7&	32.701	N	118.115	W	6	G			31	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.6 (GS). MD 3.7 (ECX).
26	06	00	08.2*	7.904	S	80.366	W	39	D		0.5	10	OFF COAST OF NORTHERN PERU
26	06	34	27.7&	38.375	S	176.013	E	200	G		0.4	14	NORTH ISLAND, NEW ZEALAND
26	07	10	27.8*	14.961	S	167.234	E	150	G	5.1	1.0	53	VANUATU ISLANDS
26	07	35	53.6*	51.027	N	176.403	W	33	N	4.4	1.0	8	ANDREANOF ISLANDS, ALEUTIAN IS.
26	07	57	13.4?	37.09	N	20.51	E	33	N		1.1	8	IONIAN SEA
26	08	46	47.6	42.033	N	23.445	E	10	G		1.0	10	BULGARIA
26	08	59	57.0?	51.60	N	179.36	W	33	N	3.9	1.2	5	ANDREANOF ISLANDS, ALEUTIAN IS.
26	09	11	10.4	38.865	N	25.824	E	10	G		0.7	18	AEGEAN SEA. MD 3.5 (ISK).
26	09	51	24.5*	4.789	N	94.953	E	100	G		1.2	16	OFF W COAST OF NORTHERN SUMATERA
26	10	44	29.8*	11.075	N	86.320	W	200	G	4.7	1.1	30	NEAR COAST OF NICARAGUA
26	11	03	07.6?	11.63	N	86.73	W	200	G	4.5	1.3	16	NEAR COAST OF NICARAGUA
26	11	20	46.1?	24.78	S	179.98	W	550	G		1.2	10	SOUTH OF FIJI ISLANDS
26	11	59	46.2&	39.333	N	28.202	E	10	G		0.6	6	TURKEY. MD 2.7 (ISK).
26	12	28	21.2&	8.985	N	79.651	W	10	G		0.7	6	PANAMA. MD 3.1 (UPA).
26	13	28	07.1	37.868	N	118.197	W	5	G		0.6	13	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (GS), 3.4 (BRK).
26	13	42	21.0*	27.697	N	56.589	E	10	G		0.6	11	SOUTHERN IRAN
26	13	53	48.5?	32.73	S	68.22	W	200	G		0.3	9	MENDOZA PROVINCE, ARGENTINA
26	14	13	22.7	1.040	S	98.109	E	33	N	4.6	0.9	24	SOUTHERN SUMATERA, INDONESIA
26	14	46	36.0	5.753	N	82.489	W	33	N		0.9	14	SOUTH OF PANAMA. MD 4.3 (UPA).
26	14	46	38.8	47.283	N	145.845	E	396		4.6	0.9	90	SEA OF OKHOTSK
26	14	48	27.7*	1.046	S	97.938	E	33	N		1.1	13	SOUTHWEST OF SUMATERA, INDONESIA
26	15	32	38.0*	25.965	N	128.533	E	33	N	4.3	1.0	17	RYUKYU ISLANDS
26	15	38	54.9	29.700	N	113.881	W	10	G	5.1 5.1	1.4	106	GULF OF CALIFORNIA. Mw 5.4 (HRV). MD 4.9 (ECX). Centroid, Moment Tensor (HRV): Centroid origin time 15:38:54.4; Lat 29.38 N; Lon 113.80 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.40, Plg=8, Azm=284; (N) Val=0.01, Plg=81, Azm=125; (P) Val=-1.41, Plg=3, Azm=14; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=59, Dip=82, Slip=4; NP2: Strike=329, Dip=86, Slip=172.
26	15	43	15.9	26.021	N	128.431	E	33	N	5.0	1.1	46	RYUKYU ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:43:17.2; Lat 25.85 N; Lon 128.74 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.34, Plg=57, Azm=3; (N) Val=-1.35, Plg=24, Azm=229; (P) Val=-5.99, Plg=21, Azm=129; Best double couple: Mo=6.7*10**16 Nm; NP1: Strike=184, Dip=32, Slip=40; NP2: Strike=58, Dip=70, Slip=116.
26	16	13	43.1&	9.904	S	118.894	E	150	G		0.8	5	SUMBAWA REGION, INDONESIA
26	16	21	33.6?	32.59	S	71.60	W	20	G		0.4	10	NEAR COAST OF CENTRAL CHILE
26	16	29	44.2&	53.794	N	165.293	W	52				15	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.3 (AEIC).
26	17	03	57.7*	36.681	N	71.365	E	247	?	3.7	0.7	10	AFGHANISTAN-TAJIKISTAN BORD REG.
26	17	44	13.7	51.741	N	174.558	E	33	N	4.3	0.9	21	NEAR ISLANDS, ALEUTIAN ISLANDS
26	18	08	38.9&	37.841	N	118.217	W	2				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
26	18	18	41.9	6.364	S	155.069	E	131	*	4.9	1.1	19	SOLOMON ISLANDS
26	18	45	41.9*	24.188	S	67.079	W	192	*		0.8	13	CHILE-ARGENTINA BORDER REGION
26	19	15	16.6	43.988	N	16.542	E	10	G	4.2	1.4	74	NORTHWESTERN BALKAN REGION. ML 3.7 (VIE).
26	20	46	30.3&	6.236	N	123.540	E	33	N		0.9	6	MINDANAO, PHILIPPINE ISLANDS
26	21	56	36.2&	27.528	N	85.786	E	33	N		1.3	11	NEPAL
26	22	10	47.5*	0.431	N	124.127	E	33	N		1.3	10	MINAHASSA PENINSULA, SULAWESI
26	22	33	56.6*	0.924	N	123.622	E	33	N	4.1	1.3	10	MINAHASSA PENINSULA, SULAWESI
27	00	20	29.4	4.544	S	101.827	E	33	N	5.0 4.7	1.1	86	SOUTHERN SUMATERA, INDONESIA. Felt (II) at Bengkulu.
27	01	32	22.5?	31.83	S	69.98	W	150	G		0.3	9	SAN JUAN PROVINCE, ARGENTINA
27	01	46	15.3*	26.056	N	128.668	E	33	N	4.0	1.2	13	RYUKYU ISLANDS
27	01	57	05.6*	26.070	N	128.528	E	33	N	3.9	1.3	9	RYUKYU ISLANDS
27	02	06	32.0?	42.40	N	0.16	E	5	G		0.3	4	PYRENEES. ML 1.8 (LDG).
27	02	21	20.7	44.290	N	6.533	E	5	G		0.5	19	FRANCE. ML 2.3 (GEN), 2.1 (LDG). Mining induced event in the Gardanne area.
27	02	27	13.0	37.365	N	20.696	E	33	N	4.6	1.4	126	IONIAN SEA. ML 4.7 (THE).
27	02	45	50.7	20.580	S	66.483	W	248	D	4.5	1.0	30	SOUTHERN BOLIVIA
27	04	03	47.9	46.206	N	6.767	E	5	G		1.1	57	SWITZERLAND. ML 3.2 (LDG), 3.1 (STR), 2.8 (VIE).
27	04	04	55.1&	38.691	N	119.869	W	0				14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.4 (GS).
27	04	29	32.7	37.308	N	21.000	E	33	N	4.6 4.2	1.1	185	SOUTHERN GREECE. ML 4.8 (THE).
27	04	32	20.1?	35.42	S	105.12	W	10	G		1.1	13	SOUTHERN EAST PACIFIC RISE
27	04	40	49.7?	2.40	N	127.18	E	33	N	4.3	0.7	12	NORTHERN MOLUCCA SEA
27	04	58	07.8?	39.91	N	15.13	E	350	G	3.2	0.7	9	SOUTHERN ITALY
27	05	22	39.7*	34.577	S	179.352	E	200	G	3.9	1.2	17	SOUTH OF KERMADEC ISLANDS
27	06	10	01.1&	53.770	N	164.270	W	25				5	UNIMAK ISLAND REGION. <AEIC>. ML 3.3 (AEIC).
27	06	23	50.5*	40.153	N	14.818	E	350	G	4.0	1.1	26	SOUTHERN ITALY
27	06	33	34.9*	2.746	S	137.384	E	33	N	4.0	1.4	11	IRIAN JAYA, INDONESIA

27	06	38	18.0	51.644	N	16.158	E	5	G		0.7	29	POLAND. ML 4.2 (GRF), 3.7 (VIE).
27	07	02	35.5	42.966	N	12.865	E	10	G	3.6	1.1	66	CENTRAL ITALY. MD 3.6 (ROM). ML 3.8 (LDG), 3.4 (FUR). Felt (V) in the epicentral area.
27	07	21	13.2	29.760	S	179.005	W	229	D	5.1	1.0	140	KERMADEC ISLANDS REGION. Mw 5.4 (GS), 5.4 (HRV). Moment Tensor (GS): Dep 220; Principal axes (scale 10**17 Nm): (T) Val=1.09, Plg=8, Azm=116; (N) Val=0.26, Plg=18, Azm=209; (P) Val=-1.35, Plg=70, Azm=2; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=186, Dip=40, Slip=-118; NP2: Strike=41, Dip=56, Slip=-68. Centroid, Moment Tensor (HRV): Centroid origin time 07:21:15.8; Lat 29.60 S; Lon 178.81 W; Dep 230.3; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.04, Plg=4, Azm=263; (N) Val=0.29, Plg=28, Azm=171; (P) Val=-1.33, Plg=61, Azm=1; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=20, Dip=48, Slip=-50; NP2: Strike=149, Dip=55, Slip=-125.
27	07	42	49.9?	19.33	S	172.99	W	33	N	4.1	1.2	13	TONGA ISLANDS REGION
27	07	58	11.1&	37.633	N	118.937	W	6				12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.2 (GS).
27	09	09	27.1?	11.56	S	74.16	W	33	N		0.8	6	CENTRAL PERU
27	09	29	50.0	70.037	N	21.446	W	10	G	4.4	0.9	24	EASTERN GREENLAND
27	10	34	23.0%	39.452	N	27.928	E	10	G		1.1	6	TURKEY. MD 2.8 (ISK).
27	10	55	01.9?	20.23	S	178.42	W	450	G	4.2	1.1	12	FIJI ISLANDS REGION
27	11	28	15.0*	37.320	N	20.730	E	33	N		1.1	10	IONIAN SEA
27	11	55	29.3*	14.761	S	167.158	E	200	G	4.6	1.1	59	VANUATU ISLANDS
27	12	22	53.1&	58.931	N	150.427	W	51				88	GULF OF ALASKA. <AEIC>. ML 3.7 (AEIC), 3.4 (PMR).
27	13	06	32.8*	10.796	S	162.222	E	118	*	4.6	1.0	30	SOLOMON ISLANDS
27	13	11	47.4?	9.03	N	79.66	W	10	G		0.6	4	PANAMA. MD 2.9 (UPA).
27	13	33	13.0?	40.01	N	28.86	E	10	G		0.7	4	TURKEY. MD 2.6 (ISK).
27	15	35	33.4*	6.778	S	147.225	E	84	*	3.9	1.3	15	EASTERN NEW GUINEA REG., P.N.G.
27	15	40	56.9?	14.86	S	167.23	E	100	G	4.3	1.4	11	VANUATU ISLANDS
27	16	11	57.0	27.618	N	87.347	E	33	N	5.1 4.2	1.1	114	NEPAL
27	16	17	22.9?	31.33	S	69.60	W	170	G		0.3	10	SAN JUAN PROVINCE, ARGENTINA
27	16	29	31.2*	21.806	N	119.927	E	33	N		1.0	7	TAIWAN REGION
27	16	30	24.8&	63.334	N	145.294	W	2				21	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
27	16	55	52.1*	27.740	N	87.761	E	33	N	4.2	1.2	10	NEPAL
27	16	58	29.5*	6.491	N	93.613	E	33	N		1.3	14	NICOBAR ISLANDS, INDIA
27	17	13	41.4	37.013	N	21.270	E	33	N	3.8	1.0	26	SOUTHERN GREECE
27	17	30	49.0?	61.80	S	155.52	E	10	G	4.3	1.4	13	BALLENY ISLANDS REGION
27	17	34	30.3	41.849	N	45.332	E	38		5.3 5.2	1.4	205	EASTERN CAUCASUS. Mw 5.3 (HRV), 5.0 (OBN). Some buildings damaged at Tbilisi, Georgia. Felt (VI) at Khashmi and (V) at Tbilisi, Georgia. Felt (III) at Nalchik, Pyatigorsk and Vladikavkaz; (II) at Dagestan and Stavropol, Russia. Also felt at Yerevan, Armenia. Centroid, Moment Tensor (HRV): Centroid origin time 17:34:36.9; Lat 42.32 N; Lon 45.19 E; Dep 41.8; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=8.76, Plg=68, Azm=105; (N) Val=0.39, Plg=20, Azm=257; (P) Val=-9.15, Plg=10, Azm=351; Best double couple: Mo=9.0*10**16 Nm; NP1: Strike=103, Dip=39, Slip=122; NP2: Strike=244, Dip=58, Slip=66. Scalar Moment (OBN): Mo=3.5*10**16 Nm.
27	17	47	06.2?	36.98	N	21.04	E	33	N		1.2	8	SOUTHERN GREECE
27	17	59	00.0	34.370	N	32.210	E	10	G		0.5	12	CYPRUS REGION
27	18	03	49.1*	39.648	N	20.676	E	116	*	3.8	1.0	15	GREECE-ALBANIA BORDER REGION
27	18	13	17.6&	63.169	N	150.695	W	128				20	CENTRAL ALASKA. <AEIC>.
27	18	40	44.4?	14.48	N	91.15	W	33	N	3.9	1.0	11	GUATEMALA
27	19	24	35.9	37.181	N	20.944	E	33	N	4.0	1.4	49	IONIAN SEA
27	19	30	05.9	44.868	N	10.620	E	10	G		0.9	59	NORTHERN ITALY. ML 3.4 (LDG), 3.3 (VIE), 3.2 (STR).
27	19	47	40.8*	6.230	S	77.260	W	150	G		1.0	14	NORTHERN PERU
27	20	20	41.3%	41.314	S	174.368	E	37	*		0.3	11	COOK STRAIT, NEW ZEALAND
27	20	39	11.0&	38.784	N	122.741	W	2				9	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.9 (GS).
27	20	55	15.1?	7.02	N	125.82	E	33	N	3.3	0.2	5	MINDANAO, PHILIPPINE ISLANDS
27	22	14	05.4*	19.541	S	179.307	W	650	G	4.9	1.0	55	FIJI ISLANDS REGION
27	22	21	55.9*	23.591	S	179.913	E	550	G	4.3	0.8	17	SOUTH OF FIJI ISLANDS
27	22	36	18.6	44.811	N	6.637	E	5	G		0.6	11	FRANCE. ML 1.7 (LDG).
27	22	49	04.8?	35.11	S	71.15	W	90	G		0.4	10	CENTRAL CHILE
27	23	02	47.3%	24.705	N	94.440	E	129	D		1.0	9	MYANMAR-INDIA BORDER REGION
27	23	09	15.7*	19.637	S	177.866	W	550	G	4.3	0.8	17	FIJI ISLANDS REGION
27	23	19	35.8&	60.043	N	152.829	W	105				30	SOUTHERN ALASKA. <AEIC>.
27	23	27	27.3?	7.92	S	128.18	E	150	G	4.0	1.2	6	BANDA SEA
27	23	33	08.5?	8.70	N	79.72	W	10	G		0.8	4	PANAMA. MD 3.0 (UPA).
28	00	02	20.7	27.705	N	142.591	E	33	N	5.1 4.9	1.1	115	BONIN ISLANDS REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:02:23.9; Lat 27.47 N; Lon 142.80 E; Dep 37.6; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=8.32, Plg=60, Azm=233; (N) Val=-2.01, Plg=23, Azm=10; (P) Val=-6.32, Plg=19, Azm=108; Best double couple: Mo=7.3*10**16 Nm; NP1: Strike=230, Dip=33, Slip=135; NP2: Strike=0, Dip=67, Slip=65.
28	01	07	54.4*	35.501	N	65.432	E	33	N	4.5	1.1	13	HINDU KUSH REGION, AFGHANISTAN
28	01	17	13.4*	8.680	S	114.606	E	128	*	4.0	1.2	16	BALI REGION, INDONESIA
28	03	20	39.9*	37.403	N	21.167	E	33	N		1.1	14	SOUTHERN GREECE
28	03	39	35.3%	35.057	N	87.389	E	33	N		1.2	8	XIZANG
28	04	34	37.4?	14.37	S	166.82	E	33	N		0.3	5	VANUATU ISLANDS
28	05	17	52.2*	53.488	N	160.399	E	55	*	4.6	1.0	28	NEAR EAST COAST OF KAMCHATKA
28	05	57	21.3	37.237	N	21.087	E	33	N	4.3	1.1	76	SOUTHERN GREECE
28	06	05	47.9?	31.64	S	69.90	W	160	G		0.3	9	SAN JUAN PROVINCE, ARGENTINA
28	06	10	47.5	47.143	N	145.602	E	394	D	5.4	0.9	342	SEA OF OKHOTSK. Mw 5.5 (HRV). Felt (II JMA) in southeastern Hokkaido. Also felt (II JMA) in northern Aomori Prefecture, Honshu. Centroid, Moment Tensor (HRV): Centroid origin time 06:10:50.8; Lat 46.96 N; Lon 145.81 E; Dep 401.0; Half-

duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.92, Plg=31, Azm=121; (N) Val=0.42, Plg=4, Azm=29; (P) Val=-2.35, Plg=58, Azm=292; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=225, Dip=14, Slip=-73; NP2: Strike=28, Dip=77, Slip=-94.

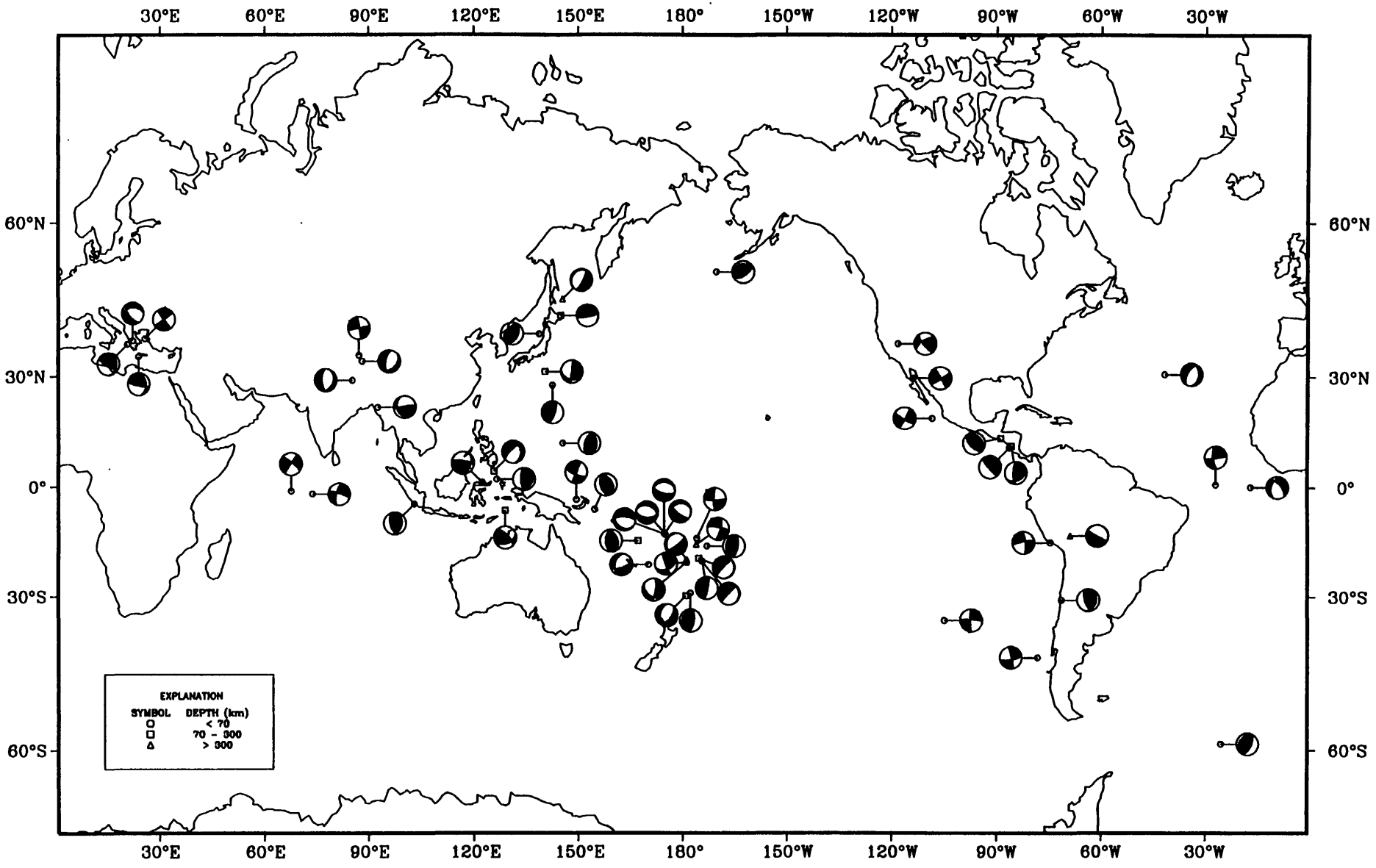
28	06	14	20.1?	32.56	S	71.99	W	10	G		0.3	10	NEAR COAST OF CENTRAL CHILE
28	06	46	37.2?	12.44	S	165.86	E	33	N		1.1	6	SANTA CRUZ ISLANDS
28	06	55	58.0	21.930	S	177.074	W	200	G	4.5	0.8	40	FIJI ISLANDS REGION
28	08	28	38.6	21.970	N	94.646	E	109	D	4.3	1.0	33	MYANMAR
28	08	30	19.3	46.453	N	7.949	E	5	G		0.8	34	SWITZERLAND. ML 3.4 (STR), 3.3 (LDG), 3.2 (GEN), 3.1 (VIE).
28	09	58	54.3%	44.813	N	7.188	E	10	G		0.7	5	NORTHERN ITALY. ML 2.0 (GEN).
28	10	06	34.4*	23.233	N	142.356	E	33	N	4.8	1.1	13	VOLCANO ISLANDS REGION
28	10	22	13.9	37.345	N	21.091	E	33	N	4.1	1.1	34	SOUTHERN GREECE
28	10	28	45.0&	36.090	N	89.730	W	12				6	NEW MADRID, MISSOURI REGION. <TEIC>. MD 2.5 (TEIC). mbLg 2.3 (GS).
28	11	08	56.4&	63.592	N	147.505	W	92				43	CENTRAL ALASKA. <AEIC>.
28	12	10	48.8*	29.977	S	178.102	W	106	D	4.6	1.3	24	KERMADEC ISLANDS, NEW ZEALAND
28	12	28	05.3?	27.56	N	142.21	E	33	N	4.0	1.0	8	BONIN ISLANDS REGION
28	12	54	52.5%	40.458	N	29.231	E	10	G		0.4	7	TURKEY. MD 2.8 (ISK).
28	13	07	16.9?	4.06	S	142.12	E	123	*	4.2	1.3	10	NEW GUINEA, PAPUA NEW GUINEA
28	14	06	05.9*	21.145	S	179.342	W	650	G	4.3	0.8	35	FIJI ISLANDS REGION
28	14	28	03.7%	25.075	N	125.561	E	33	N		1.0	5	SOUTHWESTERN RYUKYU ISLANDS
28	14	51	37.9&	32.274	N	115.301	W	6	G			26	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.7 (PAS). MD 3.8 (ECX). Felt in the Mexicali Valley, Baja California.
28	15	02	00.2%	43.413	N	5.437	E	5	G		0.3	8	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR). Mining induced event in the Gardanne area.
28	15	07	46.3*	38.891	N	73.189	E	81	?	4.4	1.2	12	TAJIKISTAN-XINJIANG BORDER REG.
28	15	29	02.3*	1.534	S	144.964	E	33	N	3.9	1.5	10	NINIGO ISLANDS REGION, P.N.G.
28	15	30	03.5?	35.24	S	71.27	W	100	G		0.3	9	CENTRAL CHILE
28	17	40	48.9?	31.29	S	179.49	W	400	G	4.0	1.0	15	KERMADEC ISLANDS REGION
28	19	59	11.7*	6.899	S	129.775	E	121	?	4.3	1.2	11	BANDA SEA
28	20	07	52.3?	3.94	N	127.86	E	161	?	4.1	1.4	10	TALAUD ISLANDS, INDONESIA
28	20	10	00.3?	44.95	N	7.06	E	10	G		0.2	4	NORTHERN ITALY. ML 1.9 (GEN).
28	20	18	16.6?	19.76	S	178.13	W	400	G	4.6	1.1	29	FIJI ISLANDS REGION
28	21	49	31.7*	63.108	N	150.863	W	33	N		1.1	7	CENTRAL ALASKA. ML 2.7 (PMR).
28	22	53	41.5	13.740	S	68.788	W	586	D	6.4	0.9	488	PERU-BOLIVIA BORDER REGION. Mw 6.7 (HRV), 6.6 (GS). Me 6.5 (GS). mb 6.3 (BRK).
													Broadband Source Parameters (GS): Dep 595; NP1: Strike=118, Dip=87, Slip=-90; NP2: Strike=298, Dip=3, Slip=-90; Radiated energy 1.3*10**14 Nm.
													Moment Tensor (GS): Dep 589; Principal axes (scale 10**19 Nm): (T) Val=1.01, Plg=44, Azm=209; (N) Val=0.00, Plg=5, Azm=114; (P) Val=-1.01, Plg=46, Azm=18; Best double couple: Mo=1.0*10**19 Nm; NP1: Strike=12, Dip=6, Slip=-12; NP2: Strike=114, Dip=89, Slip=-95.
													Centroid, Moment Tensor (HRV): Centroid origin time 22:53:46.8; Lat 13.70 S; Lon 68.90 W; Dep 600.5; Half-duration 5.0 sec; Principal axes (scale 10**19 Nm): (T) Val=1.02, Plg=42, Azm=199; (N) Val=0.08, Plg=9, Azm=289; (P) Val=-1.10, Plg=46, Azm=38; Best double couple: Mo=1.1*10**19 Nm; NP1: Strike=220, Dip=10, Slip=-168; NP2: Strike=118, Dip=88, Slip=-81.
29	00	21	15.0	39.478	N	20.085	E	71	*	4.4	1.3	37	GREECE-ALBANIA BORDER REGION
29	00	39	03.4*	8.162	N	127.293	E	33	N	4.3	0.7	8	PHILIPPINE ISLANDS REGION
29	00	39	53.1*	36.003	N	139.633	E	80	*	4.5	1.0	19	EASTERN HONSHU, JAPAN. Felt (III JMA) in southern Ibaraki, eastern Saitama and southern Tochigi Prefectures. Felt (II JMA) in much of Gumma Prefecture.
29	01	41	22.0	31.051	S	71.361	W	61	D	4.6	1.2	53	NEAR COAST OF CENTRAL CHILE. Felt (V) at Punitaqui; (IV) at Ovalle; (III) at Coquimbo, La Serena and Vicuna; (II) at Illapel, La Higuera and Salamanca.
29	01	56	34.9*	37.190	N	20.787	E	33	N	4.1	0.9	16	IONIAN SEA
29	02	30	48.5&	61.479	N	151.308	W	66				37	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.9 (PMR).
29	02	42	27.3	21.030	S	178.758	W	581	D	5.2	0.9	223	FIJI ISLANDS REGION. Mw 5.7 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 02:42:32.5; Lat 20.79 S; Lon 178.98 W; Dep 580.7; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.99, Plg=21, Azm=75; (N) Val=1.20, Plg=30, Azm=178; (P) Val=-4.19, Plg=52, Azm=315; Best double couple: Mo=3.6*10**17 Nm; NP1: Strike=124, Dip=36, Slip=-149; NP2: Strike=9, Dip=73, Slip=-58.
29	02	55	29.1&	63.275	N	151.066	W	8				30	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
29	03	00	13.2	42.941	N	12.925	E	10	G		1.1	11	CENTRAL ITALY. MD 3.1 (ROM). Felt (IV) in the epicentral area.
29	03	42	01.6	2.207	N	126.646	E	43		5.5 5.4	0.9	109	NORTHERN MOLUCCA SEA. Mw 5.8 (HRV). Felt (III) at Tondano and (II) at Bitung, Sulawesi.
													Centroid, Moment Tensor (HRV): Centroid origin time 03:42:08.9; Lat 2.09 N; Lon 126.49 E; Dep 34.0; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.29, Plg=64, Azm=65; (N) Val=-0.34, Plg=13, Azm=183; (P) Val=-5.95, Plg=22, Azm=278; Best double couple: Mo=6.1*10**17 Nm; NP1: Strike=32, Dip=26, Slip=122; NP2: Strike=178, Dip=68, Slip=76.
29	04	36	12.9%	44.409	N	7.347	E	5	G		0.4	7	NORTHERN ITALY. ML 1.9 (GEN).
29	05	49	45.3?	31.70	S	69.61	W	130	G		0.4	9	SAN JUAN PROVINCE, ARGENTINA. MD 3.2 (SAN).
29	06	14	37.5*	27.060	N	100.277	E	33	N	4.3	1.3	9	YUNNAN, CHINA
29	06	22	33.9*	8.312	N	127.163	E	33	N	4.2	1.4	7	PHILIPPINE ISLANDS REGION
29	07	44	40.3	37.884	N	118.236	W	5	G		0.7	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (GS).
29	08	59	49.4&	60.085	N	147.662	W	20		4.6		117	SOUTHERN ALASKA. <AEIC>. ML 4.8 (AEIC), 4.9 (PMR). Felt at Anchorage, Cordova, Seward and Whittier.
29	09	03	10.1&	36.934	N	118.268	W	3				14	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM).
29	09	13	39.9*	24.421	S	179.756	E	550	G	4.8	1.0	42	SOUTH OF FIJI ISLANDS
29	09	17	27.9	39.034	N	26.165	E	10	G		0.8	8	TURKEY. MD 3.3 (ISK).
29	09	24	50.9	14.841	N	93.358	W	33	N	4.7	0.7	31	NEAR COAST OF CHIAPAS, MEXICO

29	09	30	10.9*	27.679	S	13.303	W	10	G			0.6	7	SOUTHERN MID-ATLANTIC RIDGE
29	09	30	37.7&	61.400	N	150.620	W	47					40	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
29	09	48	11.2?	27.19	S	12.56	W	10	G	4.5		1.3	7	SOUTHERN MID-ATLANTIC RIDGE
29	10	09	21.8*	27.770	S	13.188	W	10	G	4.7		1.1	11	SOUTHERN MID-ATLANTIC RIDGE
29	10	54	37.2	50.218	N	8.142	E	10	G			1.1	68	GERMANY. ML 3.9 (LDG), 3.8 (STR), 3.8 (CLL), 3.7 (DBN), 3.6 (VIE), 3.5 (GRF), 3.4 (FUR).
29	11	48	42.6?	34.33	S	72.05	W	10	G			0.4	10	NEAR COAST OF CENTRAL CHILE
29	12	02	06.5&	37.633	N	118.824	W	10					13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.0 (GS).
29	12	03	53.6*	3.813	N	125.709	E	187	D	3.9		0.8	7	TALAUD ISLANDS, INDONESIA
29	12	24	25.2*	23.343	S	179.575	W	500	G	4.0		0.8	22	SOUTH OF FIJI ISLANDS
29	12	26	32.3*	51.178	N	15.859	E	5	G			0.8	6	POLAND. MG 2.6 (WAR).
29	12	42	55.3*	9.553	S	113.584	E	33	N	4.2		1.2	7	SOUTH OF JAWA, INDONESIA
29	13	51	01.2&	33.972	N	116.950	W	15					28	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
29	13	57	03.4&	61.896	N	151.007	W	68					22	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
29	14	18	55.6	11.224	N	86.369	W	33	N	5.1	5.3	1.2	101	NEAR COAST OF NICARAGUA. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:19:00.1; Lat 10.66 N; Lon 86.62 W; Dep 44.0; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=3.86, Plg=55, Azm=45; (N) Val=0.86, Plg=2, Azm=138; (P) Val=-4.72, Plg=34, Azm=229; Best double couple: Mo=4.3*10**17 Nm; NP1: Strike=328, Dip=11, Slip=100; NP2: Strike=138, Dip=79, Slip=88.
29	15	17	41.7	8.285	S	128.171	E	25		5.2	4.9	0.8	102	TIMOR SEA
29	16	25	26.5&	62.969	N	149.842	W	90					89	CENTRAL ALASKA. <AEIC>.
29	17	20	41.6*	30.497	N	102.105	E	33	N			1.5	9	SICHUAN, CHINA
29	17	26	49.6*	49.555	S	116.271	E	33	N	4.5	4.6	1.2	20	SOUTH OF AUSTRALIA
29	18	07	24.2?	32.60	S	71.57	W	20	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
29	18	09	53.2*	5.521	S	146.318	E	54	*	3.6		1.0	9	EASTERN NEW GUINEA REG., P.N.G.
29	18	54	49.8*	50.407	N	7.497	E	10	G			1.5	14	GERMANY. ML 2.7 (LDG), 2.3 (STR).
29	19	15	16.5	43.039	N	12.838	E	10	G			1.2	86	CENTRAL ITALY. MD 3.9 (ROM). ML 3.9 (VIE), 3.8 (FUR), 3.7 (LDG). Felt (V) in the epicentral area.
29	19	47	27.2	12.144	N	143.421	E	33	N	4.8		1.1	25	SOUTH OF MARIANA ISLANDS
29	20	06	08.0	50.244	N	8.154	E	10	G			1.2	101	GERMANY. ML 4.3 (LDG), 4.3 (CLL), 4.0 (DBN), 4.0 (FUR), 4.0 (GRF), 4.0 (VIE).
29	20	27	45.6*	6.315	S	129.077	E	224	*	4.6		1.3	10	BANDA SEA
29	21	03	31.8	41.208	S	173.542	E	104		5.3		1.0	61	SOUTH ISLAND, NEW ZEALAND. Mw 5.2 (HRV). Felt strongly in the Marlborough region. Felt from Wanganui on the North Island to Christchurch on the South Island. Centroid, Moment Tensor (HRV): Centroid origin time 21:03:33.7; Lat 41.19 S; Lon 173.34 E; Dep 79.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.55, Plg=38, Azm=332; (N) Val=2.24, Plg=41, Azm=198; (P) Val=-8.79, Plg=25, Azm=84; Best double couple: Mo=7.7*10**16 Nm; NP1: Strike=124, Dip=42, Slip=12; NP2: Strike=25, Dip=82, Slip=132.
29	21	13	05.2	2.712	N	122.974	E	482		4.6		0.9	38	CELEBES SEA
29	21	47	57.7	41.198	S	175.091	E	33	N			0.4	10	NORTH ISLAND, NEW ZEALAND. ML 3.4 (WEL).
29	21	59	39.3*	33.910	N	90.322	E	33	N			0.7	8	QINGHAI, CHINA
29	22	11	40.5&	32.054	N	35.388	E	10	G			0.6	5	DEAD SEA REGION
29	23	01	19.0*	50.166	N	8.339	E	10	G			1.4	9	GERMANY. ML 2.4 (LDG), 2.2 (STR).
29	23	11	11.2&	62.524	N	149.305	W	62					33	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.2 (PMR).
29	23	40	09.1*	36.224	N	6.012	E	33	N			1.1	31	NORTHERN ALGERIA
30	00	16	26.6*	30.461	N	138.762	E	450	G	3.8		0.8	14	SOUTH OF HONSHU, JAPAN
30	00	59	23.5	56.164	N	4.128	W	10	G			0.5	11	UNITED KINGDOM. ML 2.7 (BGS). Felt (IV) at Callander, Deanston, Doune, Dunblane and Thornhill.
30	01	05	25.3	34.895	N	87.626	E	33	N	4.5		0.7	18	XIZANG
30	01	09	30.8	51.675	N	16.072	E	5	G			0.6	16	POLAND. ML 4.0 (GRF), 3.8 (VIE), 3.5 (FUR).
30	03	41	15.6?	17.36	N	146.00	E	33	N	4.1		0.8	8	MARIANA ISLANDS
30	04	38	14.6	30.762	S	71.432	W	48	D	4.3		1.2	31	NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN).
30	04	42	42.6*	13.025	N	145.566	E	33	N	3.6		0.7	10	MARIANA ISLANDS
30	05	31	00.9	63.166	N	151.009	W	33	N			1.0	7	CENTRAL ALASKA. ML 2.8 (PMR).
30	06	19	15.8*	30.948	S	71.652	W	10	G			0.6	13	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
30	06	27	07.0&	60.277	N	152.221	W	83					50	SOUTHERN ALASKA. <AEIC>.
30	06	48	11.0&	60.132	N	153.265	W	130					73	SOUTHERN ALASKA. <AEIC>.
30	08	06	47.0*	5.464	S	152.339	E	33	N	4.2		1.3	6	NEW BRITAIN REGION, P.N.G.
30	08	54	11.4&	17.348	N	121.944	E	33	N			0.8	5	LUZON, PHILIPPINE ISLANDS
30	09	54	58.8	37.598	N	113.036	W	5	G			0.8	14	UTAH. ML 3.4 (GS). Felt in the Cedar City area.
30	10	40	13.2*	5.358	S	153.012	E	33	N	4.3		0.8	8	NEW IRELAND REGION, P.N.G.
30	11	24	42.1	42.875	N	12.949	E	10	G	4.1		1.1	125	CENTRAL ITALY. ML 4.6 (VIE), 4.4 (STR), 4.3 (FUR), 4.0 (LDG). MD 3.9 (ROM). Felt (V) in the epicentral area.
30	12	36	56.1*	10.399	S	120.357	E	33	N	3.6		1.5	9	SUMBA REGION, INDONESIA
30	12	52	14.1*	34.414	S	70.442	W	10	G			0.4	11	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
30	13	38	29.5*	6.380	S	146.498	E	118	*	3.5		1.3	13	EASTERN NEW GUINEA REG., P.N.G.
30	14	17	32.7&	34.619	S	71.131	W	60	G			0.2	10	NEAR COAST OF CENTRAL CHILE. MD 2.9 (SAN).
30	15	01	42.9	2.368	N	128.874	E	76	?	4.8		1.1	27	HALMAHERA, INDONESIA
30	15	03	40.1	10.154	S	161.056	E	33	N	4.8		0.8	13	SOLOMON ISLANDS
30	15	12	37.9*	19.127	N	121.443	E	33	N	4.2		1.2	15	PHILIPPINE ISLANDS REGION
30	15	47	48.7*	51.400	N	16.153	E	5	G			1.0	6	POLAND. MG 2.4 (WAR).
30	15	53	02.5?	14.27	N	92.01	W	33	N	4.6		0.8	15	NEAR COAST OF CHIAPAS, MEXICO
30	15	53	25.1	5.434	S	152.248	E	33	N	4.8		1.0	26	NEW BRITAIN REGION, P.N.G.
30	15	59	35.6*	43.939	N	28.021	W	10	G	4.4	3.7	0.8	16	NORTHERN MID-ATLANTIC RIDGE
30	16	18	27.6*	5.458	S	152.419	E	33	N	4.1		1.1	11	NEW BRITAIN REGION, P.N.G.
30	17	18	53.1&	29.153	N	129.663	E	33	N			1.2	7	RYUKYU ISLANDS
30	17	57	36.4	30.616	N	41.823	W	10	G	4.9	5.1	0.8	90	NORTHERN MID-ATLANTIC RIDGE. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:57:42.0; Lat 30.45 N; Lon 41.60 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.09, Plg=13, Azm=291; (N) Val=0.04, Plg=10, Azm=23; (P) Val=-1.13, Plg=74, Azm=150; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=7, Dip=33, Slip=-109; NP2: Strike=209, Dip=58, Slip=-78.
30	18	18	42.6*	5.333	S	152.454	E	33	N	4.0		1.1	7	NEW BRITAIN REGION, P.N.G.

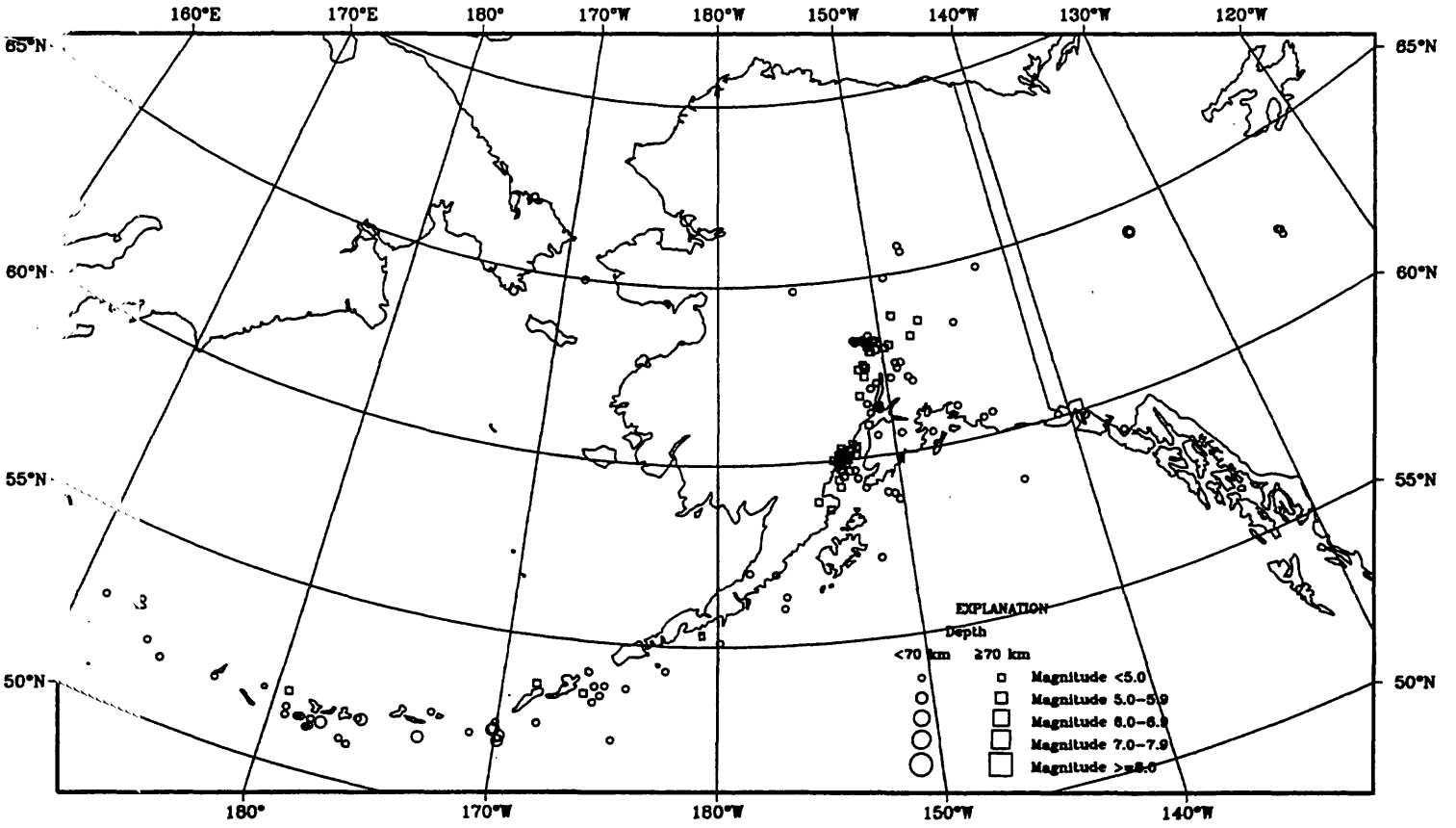
30	18	19	30.7	51.127	N	176.777	W	33	N	4.5	4.6	1.1	39	ANDREANOF ISLANDS, ALEUTIAN IS.
30	19	03	59.4*	20.018	S	178.316	W	600	G	4.4		0.8	28	FIJI ISLANDS REGION
30	19	47	55.1	42.863	N	12.841	E	10	G			1.4	35	CENTRAL ITALY. ML 3.3 (VIE), 3.2 (LDG). MD 3.1 (ROM). Felt (IV) in the epicentral area.
30	19	49	12.9*	30.700	N	41.818	W	10	G	4.6	4.0	0.8	15	NORTHERN MID-ATLANTIC RIDGE
30	20	22	19.6	30.673	N	41.820	W	10	G	4.6	3.9	0.6	24	NORTHERN MID-ATLANTIC RIDGE
30	20	55	27.0*	3.449	N	122.824	E	366	?	4.3		0.9	13	CELEBES SEA
30	21	01	09.3?	20.16	S	178.52	W	650	G	4.3		1.1	22	FIJI ISLANDS REGION
30	21	17	05.4&	37.634	N	118.946	W	7		4.6			66	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 4.9 (BRK). ML 4.9 (BRK). Felt at Mammoth Lakes, California. Moment Tensor (BRK): Dep 11; Principal axes (scale 10**16 Nm): (T) Val=2.27, Plg=24, Azm=226; (N) Val=0.00, Plg=65, Azm=63; (P) Val=-2.27, Plg=6, Azm=319; Best double couple: Mo=2.3*10**16 Nm; NP1: Strike=270, Dip=78, Slip=158; NP2: Strike=5, Dip=69, Slip=13.
30	21	26	03.2&	37.635	N	118.949	W	8					11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.2 (GS).
30	21	39	29.5&	37.638	N	118.948	W	5					7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.9 (GS).
30	22	09	45.4&	37.636	N	118.918	W	5					10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (GS).
30	22	16	02.8&	37.634	N	118.950	W	6					9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.0 (GS).
30	22	17	40.3	30.664	N	41.786	W	10	G	5.1	4.8	0.9	96	NORTHERN MID-ATLANTIC RIDGE. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:17:44.2; Lat 30.37 N; Lon 41.49 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.90, Plg=22, Azm=305; (N) Val=1.10, Plg=21, Azm=43; (P) Val=-5.00, Plg=59, Azm=172; Best double couple: Mo=4.4*10**16 Nm; NP1: Strike=1, Dip=29, Slip=-136; NP2: Strike=231, Dip=70, Slip=-68.
30	22	44	30.5?	68.10	S	153.95	E	10	G	4.1		0.9	10	ANTARCTICA
30	23	16	06.2&	37.632	N	118.949	W	0					14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (GS). Double event.
30	23	29	12.3*	51.073	N	15.671	E	5	G			1.1	5	POLAND. MG 2.3 (WAR).

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.

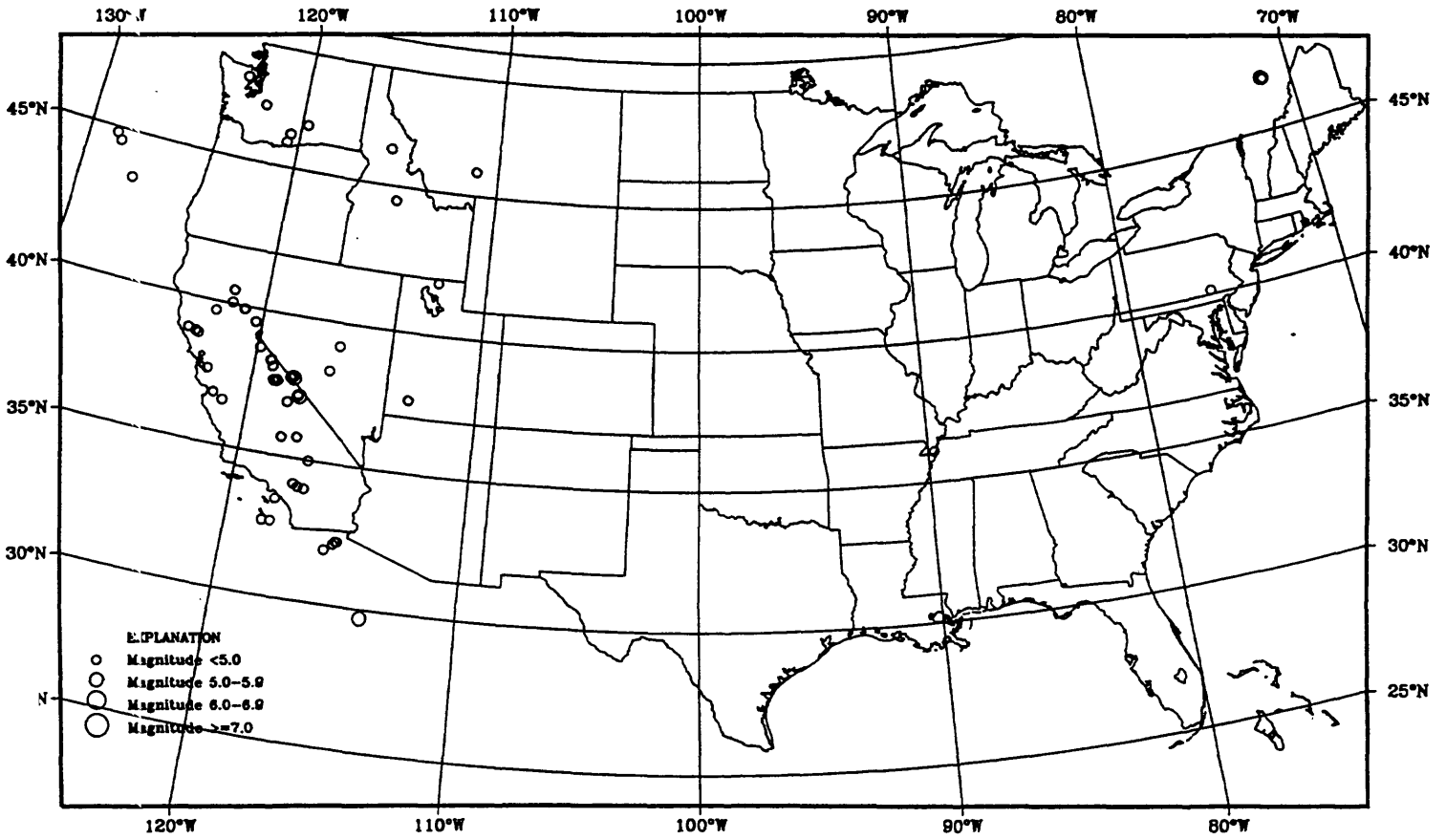
Earthquake Focal Mechanisms for November 1997



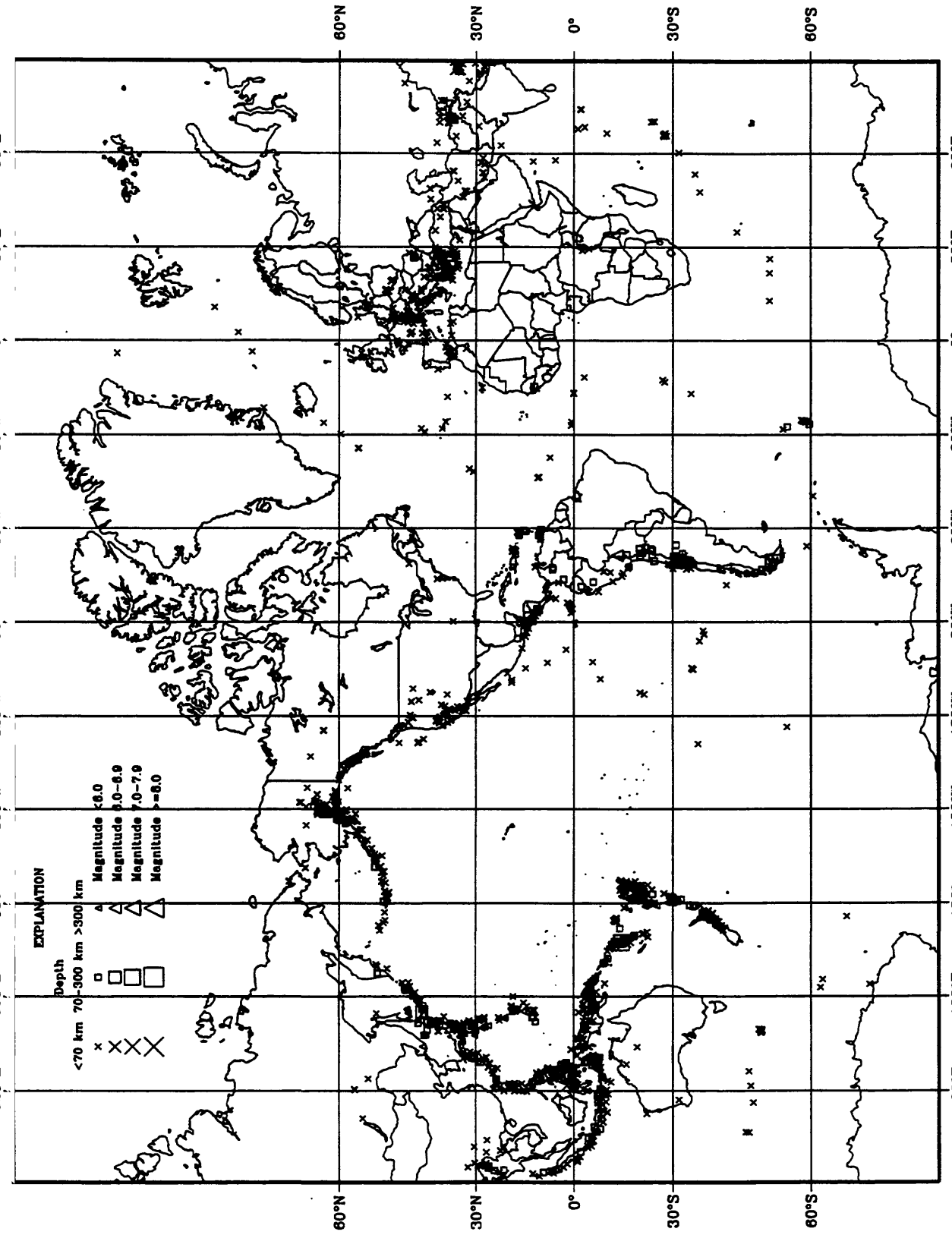
Earthquake epicenters in Alaska and adjacent regions for November 1997



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



Earthquakes located worldwide in November 1997



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

Preliminary Determination of Epicenters

Monthly Listing

National Earthquake Information Center

DECEMBER 1997

ORIGIN TIME UTC DAY	HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH	MAGNITUDE GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00	10	32.8	11.205	N	43.663	W	10 G	5.0		1.0	62	NORTHERN MID-ATLANTIC RIDGE
01	00	42	57.0	45.915	N	16.114	E	10 G			0.5	12	NORTHWESTERN BALKAN REGION. ML 3.1 (VIE), 2.5 (LJU). Felt at Kasina, Croatia.
01	00	48	23.2?	7.39	N	82.05	W	10 G			0.5	5	SOUTH OF PANAMA. MD 3.8 (UPA).
01	02	01	55.3	42.868	N	0.794	W	10 G			1.0	12	PYRENEES. ML 2.4 (LDG), 2.1 (STR).
01	02	24	38.4&	37.637	N	118.940	W	6				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
01	02	28	07.9*	45.917	N	16.058	E	10 G			0.3	6	NORTHWESTERN BALKAN REGION. ML 2.7 (VIE), 2.3 (LJU). Felt at Kasina, Croatia.
01	05	05	17.1&	37.631	N	118.931	W	6				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
01	05	40	47.3	0.389	N	123.029	E	260 *	4.9		1.2	38	MINAHASSA PENINSULA, SULAWESI
01	05	42	28.5?	48.68	S	115.88	E	10 G			0.7	7	SOUTH OF AUSTRALIA
01	06	48	23.7	1.673	N	126.435	E	61	5.2		1.1	68	NORTHERN MOLUCCA SEA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:48:29.1; Lat 2.42 N; Lon 126.56 E; Dep 47.9; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.17, Plg=56, Azm=235; (N) Val=0.45, Plg=13, Azm=125; (P) Val=-1.62, Plg=31, Azm=27; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=81, Dip=18, Slip=44; NP2: Strike=308, Dip=77, Slip=103.
01	07	12	15.0?	59.06	S	58.40	W	10 G	4.0		1.1	12	SCOTIA SEA
01	07	13	02.0&	37.630	N	118.881	W	6				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
01	08	46	58.6&	18.191	N	66.360	W	10 G			0.4	6	PUERTO RICO REGION. MD 2.8 (MPR).
01	09	10	30.6*	1.615	N	126.588	E	33 N	4.4		0.8	16	NORTHERN MOLUCCA SEA
01	09	28	32.5&	40.282	N	27.132	E	5 G			0.6	7	TURKEY. MD 2.9 (ISK).
01	12	02	22.6&	44.113	N	7.927	E	10 G			0.3	10	NORTHERN ITALY. ML 2.1 (GEN).
01	12	25	31.6*	35.278	N	59.250	E	33 N	4.7		1.2	11	NORTHERN IRAN
01	13	06	53.0*	9.141	S	124.114	E	100 G	3.9		1.5	12	TIMOR REGION, INDONESIA
01	13	07	49.0*	51.077	N	178.418	W	33 N	4.3		1.2	15	ANDREANOF ISLANDS, ALEUTIAN IS.
01	13	15	22.7*	14.500	S	167.206	E	33 N			1.2	17	VANUATU ISLANDS
01	14	00	10.3?	7.51	S	128.91	E	100 G	3.8		0.8	7	BANDA SEA
01	14	00	59.6	48.301	N	155.099	E	33 N	4.7		1.1	52	KURIL ISLANDS
01	14	11	47.6*	5.610	S	150.054	E	33 N	4.1		1.1	12	NEW BRITAIN REGION, P.N.G.
01	14	16	14.4	34.881	N	25.114	E	33 N	4.1		1.4	29	CRETE
01	14	59	23.8&	39.064	N	27.783	E	10 G			0.6	9	TURKEY. MD 3.0 (ISK).
01	15	54	20.1?	12.70	N	124.06	E	33 N	4.1		1.3	8	SAMAR, PHILIPPINE ISLANDS
01	15	55	31.0?	15.37	S	166.59	E	33 N	4.6		1.3	7	VANUATU ISLANDS
01	17	56	22.8*	8.298	N	81.394	W	33 N	4.5		0.7	13	PANAMA
01	18	04	12.6*	45.934	N	16.058	E	10 G			0.5	10	NORTHWESTERN BALKAN REGION. ML 3.1 (VIE). Felt at Kasina, Croatia.
01	18	17	48.5	39.964	N	138.806	E	33 N	5.1		0.9	117	EASTERN SEA OF JAPAN. Felt (II JMA) in western Akita, southwestern Aomori, northern Iwate and northwestern Yamagata Prefectures, Honshu.
01	18	21	55.8*	4.975	N	127.366	E	100 G	3.9		1.0	9	TALAUD ISLANDS, INDONESIA
01	19	09	25.1&	37.643	N	118.948	W	7				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.1 (GS).
01	19	14	56.4*	35.676	N	70.340	E	253 *			0.9	10	HINDU KUSH REGION, AFGHANISTAN
01	19	56	26.9?	5.39	N	127.98	E	33 N	4.0		1.2	11	PHILIPPINE ISLANDS REGION
01	20	01	35.6&	13.817	N	88.590	W	33 N			0.8	10	EL SALVADOR
01	20	35	26.9*	1.517	N	126.392	E	33 N	4.3		1.3	19	NORTHERN MOLUCCA SEA
01	20	54	18.2	41.645	N	75.799	E	33 N	4.4	4.3	1.1	31	KYRGYZSTAN
01	22	37	04.8	42.867	N	12.975	E	10 G			1.0	72	CENTRAL ITALY. ML 4.1 (VIE). MD 3.5 (ROM). Felt (V) in the epicentral area.
01	22	47	26.7*	35.882	N	0.252	W	10 G	4.3		1.0	9	NORTHERN ALGERIA
02	00	02	03.2	71.698	N	2.932	W	10 G	5.2	4.9	1.0	170	JAN MAYEN ISLAND REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:02:08.1; Lat 71.63 N; Lon 2.00 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.12, Plg=30, Azm=287; (N) Val=-0.10, Plg=1, Azm=18; (P) Val=-1.02, Plg=60, Azm=110; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=14, Dip=15, Slip=-94; NP2: Strike=198, Dip=75, Slip=-89.

02	00	23	07.6	37.332	N	21.161	E	33	N	4.4	1.3	28	SOUTHERN GREECE
02	00	41	07.5&	58.653	N	147.176	W	10	G	3.0		50	GULF OF ALASKA. <AEIC>. ML 3.2 (AEIC).
02	01	33	16.4?	16.36	S	177.92	W	33	N	4.6	1.1	10	FIJI ISLANDS REGION
02	02	22	01.5	40.457	S	174.444	E	71		4.2	1.0	14	COOK STRAIT, NEW ZEALAND
02	02	47	17.6?	14.49	S	167.43	E	33	N	4.7	1.4	15	VANUATU ISLANDS
02	03	42	24.0	37.339	N	20.808	E	33	N	4.5	1.2	32	IONIAN SEA
02	04	13	35.9&	45.077	N	7.335	E	10	G		0.8	5	NORTHERN ITALY. ML 2.0 (GEN).
02	04	47	55.6	11.990	N	43.822	W	10	G	5.0 4.4	0.7	54	NORTHERN MID-ATLANTIC RIDGE
02	05	10	36.4?	12.71	S	166.94	E	33	N	4.6	0.9	12	SANTA CRUZ ISLANDS
02	05	18	04.8	34.004	N	136.317	E	384		4.2	0.9	29	WESTERN HONSHU, JAPAN
02	05	25	43.9&	62.874	N	151.124	W	111				55	CENTRAL ALASKA. <AEIC>.
02	05	39	48.1*	5.437	S	147.153	E	189		4.1	0.9	12	EASTERN NEW GUINEA REG., P.N.G.
02	05	46	37.4	44.382	N	142.109	E	225		4.1	0.5	18	HOKKAIDO, JAPAN REGION
02	06	50	33.1	46.630	N	11.358	E	10	G		0.3	8	NORTHERN ITALY. ML 2.6 (VIE).
02	07	16	53.9	44.720	N	9.075	E	10	G		0.7	28	NORTHERN ITALY. ML 3.5 (STR).
02	07	35	57.4?	6.17	S	147.95	E	33	N	3.9	1.5	7	EASTERN NEW GUINEA REG., P.N.G.
02	07	49	01.6*	11.780	S	117.013	E	33	N		0.9	6	SOUTH OF SUMBAWA, INDONESIA
02	08	42	15.4*	51.237	N	176.094	W	33	N	4.2	1.5	14	ANDREANOF ISLANDS, ALEUTIAN IS.
02	09	20	45.9	42.876	N	12.902	E	10	G		1.0	66	CENTRAL ITALY. ML 4.1 (VIE), 3.7 (LDG). MD 3.5 (ROM). Felt (V) in the epicentral area.
02	10	36	50.1?	10.19	N	126.11	E	33	N	4.0	0.8	8	PHILIPPINE ISLANDS REGION
02	10	54	57.6	17.502	N	94.051	W	150	G	4.5	0.9	34	CHIAPAS, MEXICO
02	11	06	08.6	25.108	N	95.164	E	100	G	4.2	1.1	19	MYANMAR-INDIA BORDER REGION
02	11	18	15.9*	60.563	S	50.673	W	10	G	4.6	1.4	18	SCOTIA SEA
02	11	47	47.1	6.756	N	123.561	E	596		5.3	0.9	111	MINDANAO, PHILIPPINE ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:47:48.8; Lat 6.79 N; Lon 123.58 E; Dep 591.9; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=2.01, Plg=31, Azm=117; (N) Val=0.14, Plg=17, Azm=16; (P) Val=-2.15, Plg=54, Azm=262; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=248, Dip=21, Slip=-36; NP2: Strike=12, Dip=78, Slip=-107.
02	12	07	29.6*	35.309	S	102.203	W	10	G	4.7	1.3	22	SOUTHERN PACIFIC OCEAN
02	12	13	15.2	6.717	N	123.594	E	594		4.9	0.8	45	MINDANAO, PHILIPPINE ISLANDS
02	12	48	08.5*	6.738	N	123.605	E	630	*	4.6	1.0	15	MINDANAO, PHILIPPINE ISLANDS
02	14	04	12.3*	0.022	N	98.264	E	33	N		0.7	10	NORTHERN SUMATERA, INDONESIA
02	14	15	34.7*	28.881	S	177.315	W	33	N	4.5	1.2	25	KERMADEC ISLANDS REGION
02	15	14	32.2&	62.548	N	149.833	W	69				58	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
02	15	16	39.3*	34.129	N	90.461	E	33	N		1.0	10	QINGHAI, CHINA
02	15	31	25.9	37.894	N	118.165	W	5	G		0.8	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (GS).
02	15	58	52.6&	43.419	N	5.435	E	5	G		0.5	13	NEAR SOUTH COAST OF FRANCE. ML 2.7 (STR). Mining induced event in the Gardanne area.
02	17	01	02.3*	50.059	N	93.763	E	33	N	3.9	1.1	10	RUSSIA-MONGOLIA BORDER REGION
02	17	18	04.7	45.967	N	13.345	E	10	G		0.9	24	NORTHERN ITALY. ML 3.1 (VIE), 3.1 (LDG), 2.6 (LJU).
02	17	48	47.6*	13.775	N	90.673	W	76	D	4.5	1.4	32	NEAR COAST OF GUATEMALA
02	18	34	44.3&	58.265	N	155.544	W	0				26	ALASKA PENINSULA. <AEIC>. ML 2.6 (AEIC).
02	18	37	33.5	9.626	S	119.536	E	99	*	3.9	1.3	16	SUMBA REGION, INDONESIA
02	18	47	46.1	39.912	N	138.890	E	33	N	4.2	0.6	12	EASTERN SEA OF JAPAN
02	19	22	44.7	36.021	N	19.663	E	33	N	4.7 4.7	1.1	147	CENTRAL MEDITERRANEAN SEA. Mw 5.3 (HRV). ML 4.7 (THE). Centroid, Moment Tensor (HRV): Centroid origin time 19:22:46.7; Lat 36.68 N; Lon 19.40 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.68, Plg=17, Azm=72; (N) Val=0.38, Plg=45, Azm=324; (P) Val=-1.06, Plg=40, Azm=176; Best double couple: Mo=8.7*10**16 Nm; NP1: Strike=206, Dip=49, Slip=-20; NP2: Strike=309, Dip=75, Slip=-137.
02	21	10	06.1*	8.552	S	123.539	E	210	*	3.8	1.1	15	FLORES REGION, INDONESIA
02	21	33	40.7&	58.575	N	147.166	W	10				53	GULF OF ALASKA. <AEIC>. ML 2.5 (AEIC).
02	21	39	48.7&	37.641	N	118.949	W	5				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.9 (GS).
02	22	00	27.6*	39.605	S	174.436	E	200	G		0.2	13	NORTH ISLAND, NEW ZEALAND
02	22	12	13.9?	33.75	S	68.39	W	5	G		0.9	13	MENDOZA PROVINCE, ARGENTINA. MD 3.8 (SAN).
02	22	54	15.2*	10.725	S	112.014	E	33	N		0.3	8	SOUTH OF JAWA, INDONESIA
02	23	35	24.4&	10.423	N	61.152	W	33	N		0.6	7	TRINIDAD. MD 2.7 (TRN).
02	23	41	16.1	36.526	N	89.468	W	10	G		0.4	10	NEW MADRID, MISSOURI REGION. mbLg 2.8 (GS).
03	00	08	25.3?	17.60	N	66.59	W	165	G		0.3	7	PUERTO RICO REGION. MD 3.1 (MPR).
03	00	15	03.7&	37.636	N	118.954	W	7				16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.8 (GM), 3.1 (GS).
03	00	19	18.9&	37.637	N	118.932	W	6				47	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.8 (GM), 3.9 (BRK), 3.8 (GS).
03	00	22	31.1	37.643	N	118.920	W	5	G		0.7	13	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (GS). MD 3.0 (GM). Preceded by a small precursor about 12 seconds earlier.
03	00	25	43.9&	62.908	N	150.688	W	88				23	CENTRAL ALASKA. <AEIC>.
03	00	59	46.5	5.942	N	94.819	E	80	D	4.8	0.8	36	NORTHERN SUMATERA, INDONESIA
03	01	36	47.0?	36.83	N	20.67	E	33	N		0.9	7	CENTRAL MEDITERRANEAN SEA
03	01	41	26.6*	14.115	N	121.640	E	33	N	4.2	1.0	8	LUZON, PHILIPPINE ISLANDS
03	02	38	25.1?	33.80	S	179.60	E	159	D	4.2	1.1	14	SOUTH OF KERMADEC ISLANDS
03	02	59	00.2*	0.070	N	16.763	W	10	G		1.2	13	NORTH OF ASCENSION ISLAND
03	03	56	13.8	9.883	S	120.685	E	33	N	4.9	1.1	12	SUMBA REGION, INDONESIA
03	04	00	24.7?	23.26	N	142.52	E	33	N		1.5	5	VOLCANO ISLANDS REGION
03	04	48	04.8&	37.635	N	118.958	W	7				19	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (GS).
03	04	57	21.0&	31.878	N	116.307	W	6	G			24	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.6 (PAS), 3.6 (GS). MD 3.5 (ECX). Felt at Ensenada.
03	05	50	58.6*	35.708	N	34.815	W	10	G	4.5	1.0	16	AZORES ISLANDS REGION
03	06	31	57.4	43.575	N	11.993	E	10	G		1.1	28	CENTRAL ITALY. ML 3.4 (LDG), 3.4 (VIE).
03	06	54	04.3	44.952	N	10.288	E	10	G		0.9	49	NORTHERN ITALY. ML 3.5 (STR), 3.4 (VIE), 3.3 (LDG).
03	07	00	25.9*	44.716	N	10.329	E	10	G		0.2	5	NORTHERN ITALY. ML 2.8 (VIE).
03	07	18	20.3*	44.997	N	10.559	E	10	G		0.5	9	NORTHERN ITALY. ML 2.9 (LDG).
03	07	40	45.1?	8.75	S	129.64	E	33	N	4.6	1.5	18	TIMOR SEA
03	08	04	28.5*	21.296	S	68.261	W	145	*		1.1	10	CHILE-BOLIVIA BORDER REGION
03	09	02	51.2*	53.013	S	22.340	E	10	G		1.0	15	SOUTH OF AFRICA
03	09	12	32.3*	26.516	S	70.707	W	70	*		0.9	9	NEAR COAST OF NORTHERN CHILE

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03  09 16 00.9% 44.710 N    6.718 E    5 G          0.4    5  FRANCE. ML 1.7 (GEN).
03  09 43 13.8  43.707 N  127.419 W   10 G  4.0     1.1   29  OFF COAST OF OREGON
03  10 24 32.7* 51.467 N  176.028 W   33 N          1.1    7  ANDREANOF ISLANDS, ALEUTIAN IS.
03  11 38 26.0? 2.60  S  121.11  E   33 N          0.1    4  SULAWESI, INDONESIA
03  11 46 42.9& 37.638 N  118.934 W    5                    45  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.8 (GM), 3.8
                                                                (BRK), 3.6 (GS).
03  12 25 53.9  35.044 N   86.802 E   33 N  4.7     1.0   53  XIZANG
03  13 05 52.4% 33.034 S   72.029 W   10 G          0.2   11  OFF COAST OF CENTRAL CHILE
03  13 11 10.3* 11.536 S  119.751 E   33 N  3.5     1.4   13  SOUTH OF SUMBA, INDONESIA
03  13 34 27.1? 55.31  N  162.74  E   33 N          0.9    7  NEAR EAST COAST OF KAMCHATKA
03  13 37 51.6* 55.210 N  162.544 E   33 N  4.6     1.2   27  NEAR EAST COAST OF KAMCHATKA
03  13 41 05.2  55.314 N  162.490 E   33 N  4.4     0.8   31  NEAR EAST COAST OF KAMCHATKA
03  13 53 38.0* 55.229 N  162.747 E   33 N  4.2     1.1   13  NEAR EAST COAST OF KAMCHATKA
03  13 59 26.2% 44.794 N    6.821 E    5 G          0.5   11  FRANCE. ML 2.4 (GEN).
03  14 20 13.3? 34.41  S   72.35  W   10 G          0.6   11  NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
03  14 22 18.2* 23.945 S   66.835 W  208 *          0.9   11  JUJUY PROVINCE, ARGENTINA
03  14 34 50.2? 21.77  S  176.98  W  200 G  3.1     0.5   10  FIJI ISLANDS REGION
03  14 50 41.2? 40.68  N   23.17  E   10 G          0.4    5  GREECE
03  15 20 25.7% 38.247 N   31.083 E   10 G          1.0    6  TURKEY. MD 3.2 (ISK).
03  15 28 24.1& 40.293 N  124.287 W    7                     4  NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
03  17 47 28.5& 60.182 N  153.181 W  143                    43  SOUTHERN ALASKA. <AEIC>.
03  18 08 51.8* 37.527 N   20.626 E   33 N          0.9    7  IONIAN SEA
03  18 24 23.9? 37.21  N   23.35  E   33 N          1.5    7  SOUTHERN GREECE
03  18 29 52.2* 15.245 S  173.578 W   33 N  4.8     0.9   23  TONGA ISLANDS
03  19 17 15.5? 55.31  N  162.71  E   33 N          0.8    5  NEAR EAST COAST OF KAMCHATKA
03  19 18 52.2  37.644 N   14.975 E   33 N          1.3   19  SICILY. ML 3.4 (ROM).
03  19 53 45.8& 37.626 N  118.870 W    6                    36  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.3
                                                                (GS).
03  20 41 11.8? 17.84  N   66.81  W   20 G          0.2    5  PUERTO RICO REGION. MD 2.5 (MPR).
03  21 24 12.5*  7.411 S  128.587 E  150 G  4.1     1.2   16  BANDA SEA
03  21 37 25.9  42.048 N   23.395 E   10 G          1.1    6  BULGARIA
03  21 41 59.0   2.092 S  124.838 E   33 N  4.9     1.1   40  CERAM SEA. Mw 5.3 (HRV).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               21:42:02.9; Lat 2.24 S; Lon 125.56 E; Dep 31.5; Half-
                                                               duration 1.0 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=1.16, Plg=32, Azm=328; (N) Val=-0.40, Plg=58, Azm=153;
                                                               (P) Val=-0.76, Plg=2, Azm=60; Best double couple:
                                                               Mo=9.6*10**16 Nm; NP1: Strike=109, Dip=66, Slip=22; NP2:
                                                               Strike=9, Dip=70, Slip=154.
03  22 33 31.4? 10.94  N   62.26  W   70 G          0.1    5  NEAR COAST OF VENEZUELA. MD 3.0 (TRN).
03  22 34 30.2  37.376 N   20.888 E   33 N  4.0     1.0   21  IONIAN SEA
03  23 06 23.6& 33.164 N  115.653 W    3                     4  SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
04  00 28 38.4% 32.575 S   70.321 W  100 G          0.4   11  CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
04  01 03 49.0  43.759 N  147.311 E   70 *          0.9   23  KURIL ISLANDS
04  01 20 12.0* 30.871 S   71.771 W   20 G          0.6   13  NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
04  01 31 02.5* 53.069 N  170.916 E   33 N          0.7    9  NEAR ISLANDS, ALEUTIAN ISLANDS
04  02 14 18.6? 28.87  S  177.49  W   33 N  4.3     0.9   11  KERMADEC ISLANDS REGION
04  02 17 08.8   2.533 S   67.973 E   10 G  4.8 4.3  1.0   39  CARLSBERG RIDGE
04  02 27 46.2& 37.629 N  118.925 W    4                    10  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.8
                                                                (GS).
04  03 08 42.5? 41.58  S  175.77  E   33 N          0.2    5  NORTH ISLAND, NEW ZEALAND. ML 3.1 (WEL).
04  03 19 31.5& 63.372 N  151.511 W    7                    17  CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
04  05 33 01.6  22.172 S  175.130 W   33 N  4.9 5.3  0.8   36  TONGA ISLANDS REGION. Mw 5.5 (HRV).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               05:33:03.7; Lat 22.29 S; Lon 174.18 W; Dep 15.0 Fix; Half-
                                                               duration 1.5 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=1.66, Plg=58, Azm=312; (N) Val=0.15, Plg=14, Azm=199;
                                                               (P) Val=-1.81, Plg=28, Azm=101; Best double couple:
                                                               Mo=1.7*10**17 Nm; NP1: Strike=159, Dip=21, Slip=48; NP2:
                                                               Strike=23, Dip=75, Slip=104.
04  06 06 17.6  41.595 N   47.814 E   65 *  4.4     1.4   33  EASTERN CAUCASUS
04  06 43 47.3  17.755 S  178.873 W  600 G  4.8     0.9  107  FIJI ISLANDS REGION
04  07 21 28.3* 31.827 S   67.724 W  130 G          1.0   18  SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
04  07 57 33.9& 37.639 N  118.947 W    7                    18  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0
                                                                (GS).
04  08 30 57.3& 33.163 N  115.655 W    2                    32  SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.4 (GS), MD 3.9
                                                                (ECX).
04  08 32 58.7  51.430 N  179.023 W   33 N  4.7     0.9   62  ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
04  08 33 05.4* 15.848 S  178.060 W  350 G  4.4     0.9   12  FIJI ISLANDS REGION
04  09 18 53.5& 59.249 N  153.532 W  117                    16  SOUTHERN ALASKA. <AEIC>.
04  09 33 32.4  31.734 S   69.741 W  140 G          0.7   16  SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (SAN).
04  09 49 42.5& 60.336 N  153.118 W  122                    16  SOUTHERN ALASKA. <AEIC>.
04  10 01 30.6& 33.161 N  115.649 W    4                     2  SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). MD 3.3 (ECX).
04  10 17 01.3  29.092 N   64.110 E   33 N  5.0 4.5  1.1  107  SOUTHWESTERN PAKISTAN. Mw 5.1 (HRV). Felt at Dalbandin.
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               10:17:05.6; Lat 29.43 N; Lon 64.81 E; Dep 33.0 Fix; Half-
                                                               duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                               Val=4.93, Plg=69, Azm=40; (N) Val=2.03, Plg=20, Azm=212;
                                                               (P) Val=-6.95, Plg=3, Azm=303; Best double couple:
                                                               Mo=5.9*10**16 Nm; NP1: Strike=53, Dip=46, Slip=119; NP2:
                                                               Strike=194, Dip=51, Slip=63.
04  11 32 00.3  44.757 N   10.508 E   10 G          1.1   14  NORTHERN ITALY. ML 2.8 (VIE), 2.7 (LDG).
04  11 59 43.9*  5.349 S  129.656 E   33 N  4.7     1.3   17  BANDA SEA
04  13 21 58.6* 11.101 S  163.800 E   33 N  4.2     1.3   15  SOLOMON ISLANDS
04  13 40 48.3* 55.154 N  162.462 E   33 N  4.4     1.0   15  NEAR EAST COAST OF KAMCHATKA
04  13 49 37.4? 31.98  N   41.16  W   10 G          1.4    8  NORTHERN MID-ATLANTIC RIDGE
04  14 28 36.2   1.022 S  128.787 E   33 N  4.6     0.8   21  HALMAHERA, INDONESIA
04  14 35 14.1*  5.946 S  130.529 E   33 N  4.5     1.4    8  BANDA SEA
04  14 56 41.7  13.639 N   90.658 W   81    5.2 5.4  0.9  186  NEAR COAST OF GUATEMALA. Mw 6.0 (HRV). MD 5.4 (SSS). Felt
                                                               (IV) at San Salvador, El Salvador.
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               14:56:42.7; Lat 13.56 N; Lon 91.25 W; Dep 36.0; Half-
                                                               duration 2.3 sec; Principal axes (scale 10**18 Nm): (T)
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Val=0.96, Plg=71, Azm=44; (N) Val=0.07, Plg=4, Azm=301; (P) Val=-1.03, Plg=18, Azm=209; Best double couple: Mo=9.9*10**17 Nm; NP1: Strike=292, Dip=27, Slip=80; NP2: Strike=123, Dip=64, Slip=95.

04	15	40	41.9?	55.30	N	162.68	E	33	N	4.2	0.9	5	NEAR EAST COAST OF KAMCHATKA
04	15	47	23.6%	9.003	N	79.660	W	10	G		0.3	5	PANAMA. MD 3.0 (UPA).
04	15	48	45.6*	2.238	N	126.564	E	10	G	4.6	1.2	33	NORTHERN MOLUCCA SEA
04	15	58	59.5%	35.542	N	81.490	E	33	N		1.2	11	SOUTHERN XINJIANG, CHINA
04	16	04	53.3&	59.603	N	153.049	W	106				15	SOUTHERN ALASKA. <AEIC>.
04	17	43	06.1?	51.81	N	174.54	W	33	N		1.0	5	ANDREANOF ISLANDS, ALEUTIAN IS.
04	19	10	15.7*	3.114	S	138.515	E	62	?	4.3	0.9	11	IRIAN JAYA, INDONESIA
04	19	30	45.0*	37.486	N	21.171	E	33	N		0.8	9	SOUTHERN GREECE
04	19	38	01.8*	13.727	N	145.796	E	33	N		1.1	7	MARIANA ISLANDS
04	19	49	40.1%	9.001	N	79.670	W	10	G		0.5	5	PANAMA. MD 3.0 (UPA).
04	20	01	39.8*	55.194	N	162.603	E	33	N	4.4	1.0	21	NEAR EAST COAST OF KAMCHATKA
04	20	08	48.3	13.718	N	90.667	W	79		4.4	0.9	62	NEAR COAST OF GUATEMALA. MD 4.4 (SSS). Felt (III) at San Salvador, El Salvador.
04	20	41	11.2*	42.041	N	23.450	E	10	G		0.5	5	BULGARIA
04	20	46	56.0?	45.16	N	14.56	E	5	G		1.4	4	NORTHWESTERN BALKAN REGION. ML 1.8 (LJU).
04	20	59	26.3*	31.187	S	71.327	W	85	*	4.5	1.2	27	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
04	21	33	15.8*	1.351	N	123.432	E	33	N	4.3	1.1	13	MINAHASSA PENINSULA, SULAWESI
04	21	36	52.1?	2.93	S	126.82	E	33	N		0.9	5	CERAM SEA
04	21	38	03.0&	37.635	N	118.957	W	7				50	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.9 (BRK). ML 4.0 (GM), 4.0 (BRK). Moment Tensor (BRK): Dep 14; Principal axes (scale 10**14 Nm): (T) Val=8.20, Plg=35, Azm=32; (N) Val=0.17, Plg=49, Azm=249; (P) Val=-8.38, Plg=19, Azm=136; Best double couple: Mo=8.3*10**14 Nm; NP1: Strike=81, Dip=80, Slip=140; NP2: Strike=179, Dip=51, Slip=13.
04	22	01	18.6*	55.189	N	162.856	E	33	N	4.3	1.5	10	NEAR EAST COAST OF KAMCHATKA
04	22	03	40.6	56.876	N	7.529	E	10	G		1.2	27	NORTH SEA
04	22	03	49.1%	56.892	N	7.613	E	10	G		1.0	5	NORTH SEA
04	22	14	26.2	13.638	N	90.618	W	87		5.0 4.7	1.0	146	NEAR COAST OF GUATEMALA. Mw 5.5 (HRV). MD 5.1 (SSS). Felt (III) at San Salvador, El Salvador. Centroid, Moment Tensor (HRV): Centroid origin time 22:14:24.7; Lat 13.49 N; Lon 91.21 W; Dep 47.7; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.51, Plg=67, Azm=69; (N) Val=0.46, Plg=15, Azm=300; (P) Val=-1.97, Plg=17, Azm=206; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=274, Dip=31, Slip=60; NP2: Strike=128, Dip=64, Slip=106.
04	22	17	16.4*	24.407	S	179.838	W	550	G	4.5	0.9	19	SOUTH OF FIJI ISLANDS
04	22	33	17.7	55.227	N	162.480	E	33	N	4.4	1.0	30	NEAR EAST COAST OF KAMCHATKA
04	22	41	50.4	55.221	N	162.619	E	33	N	5.1 5.1	0.8	115	NEAR EAST COAST OF KAMCHATKA. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:41:55.5; Lat 54.89 N; Lon 163.15 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.22, Plg=67, Azm=330; (N) Val=0.20, Plg=12, Azm=211; (P) Val=-2.42, Plg=20, Azm=116; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=187, Dip=27, Slip=63; NP2: Strike=36, Dip=66, Slip=103.
04	22	46	45.8*	55.340	N	162.481	E	33	N	4.7	1.0	23	NEAR EAST COAST OF KAMCHATKA
04	22	50	53.9*	55.247	N	162.513	E	33	N	4.4	0.8	12	NEAR EAST COAST OF KAMCHATKA
04	22	51	26.3&	58.992	N	152.532	W	64				57	KODIAK ISLAND REGION. <AEIC>. ML 2.9 (AEIC).
04	22	51	44.8	43.541	N	0.675	W	5	G		1.0	84	PYRENEES. ML 4.1 (LDG), 4.0 (STR). Felt (IV) in the Lacq Oilfield area, France.
04	23	11	30.2	55.192	N	162.602	E	33	N	4.3	0.9	27	NEAR EAST COAST OF KAMCHATKA
04	23	15	06.2*	55.377	N	161.956	E	33	N	4.4	0.9	12	NEAR EAST COAST OF KAMCHATKA
04	23	23	31.7*	10.958	S	160.645	E	33	N		1.3	6	SOLOMON ISLANDS
04	23	26	51.0?	31.49	N	137.79	E	381	*	4.0	1.2	12	SOUTH OF HONSHU, JAPAN
04	23	41	08.4*	0.371	N	123.838	E	100	G	3.7	1.5	10	MINAHASSA PENINSULA, SULAWESI
04	23	52	39.4*	27.270	N	102.521	E	33	N	4.1	1.2	18	SICHUAN, CHINA. ML 4.1 (BJI).
05	00	06	16.3	55.287	N	162.421	E	33	N	4.7 4.8	0.9	66	NEAR EAST COAST OF KAMCHATKA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:06:23.0; Lat 54.89 N; Lon 163.24 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.03, Plg=73, Azm=343; (N) Val=1.17, Plg=10, Azm=216; (P) Val=-6.20, Plg=13, Azm=123; Best double couple: Mo=5.6*10**16 Nm; NP1: Strike=200, Dip=33, Slip=71; NP2: Strike=42, Dip=59, Slip=102.
05	00	29	00.8*	10.775	S	111.999	E	33	N		1.4	8	SOUTH OF JAWA, INDONESIA
05	00	29	57.2*	55.463	N	162.702	E	33	N		0.9	9	NEAR EAST COAST OF KAMCHATKA
05	00	40	12.0*	29.330	N	113.460	W	10	G		1.1	9	GULF OF CALIFORNIA
05	00	51	27.5*	32.442	S	177.505	W	33	N	4.6	1.1	11	SOUTH OF KERMADEC ISLANDS
05	01	07	29.6*	55.393	N	162.464	E	33	N	4.3	1.3	13	NEAR EAST COAST OF KAMCHATKA
05	01	10	19.3	55.268	N	162.661	E	33	N	4.5	1.0	48	NEAR EAST COAST OF KAMCHATKA
05	01	27	22.2	55.288	N	162.478	E	33	N	4.2	0.7	35	NEAR EAST COAST OF KAMCHATKA
05	01	29	06.8	0.015	N	16.632	W	10	G	4.7 4.5	0.9	40	NORTH OF ASCENSION ISLAND
05	01	30	04.6	55.225	N	162.479	E	33	N	4.2	1.0	31	NEAR EAST COAST OF KAMCHATKA
05	02	08	06.1	55.306	N	162.282	E	33	N	4.6	1.0	30	NEAR EAST COAST OF KAMCHATKA
05	02	13	54.9*	55.155	N	162.756	E	33	N	4.5	1.0	20	NEAR EAST COAST OF KAMCHATKA
05	03	42	35.3*	55.325	N	162.511	E	33	N	4.6	1.2	21	NEAR EAST COAST OF KAMCHATKA
05	04	16	56.8	47.596	N	8.938	E	10	G		1.1	17	SWITZERLAND. ML 2.4 (LDG), 2.3 (FBB), 2.3 (VIE).
05	04	20	28.3*	55.098	N	162.390	E	33	N		1.3	12	NEAR EAST COAST OF KAMCHATKA
05	04	34	33.6*	55.412	N	162.255	E	33	N		1.3	13	NEAR EAST COAST OF KAMCHATKA
05	05	16	24.8?	47.36	N	6.51	E	10	G		0.1	4	FRANCE. ML 2.0 (LDG).
05	05	20	26.6%	47.332	N	6.669	E	10	G		0.9	6	FRANCE. ML 2.0 (LDG).
05	05	21	26.1%	47.339	N	6.726	E	10	G		0.7	7	FRANCE. ML 2.1 (LDG).
05	05	22	50.5%	47.343	N	6.660	E	10	G		0.6	6	FRANCE. ML 2.2 (LDG).
05	05	28	05.2%	47.352	N	6.608	E	10	G		0.5	6	FRANCE. ML 2.1 (LDG).
05	05	33	56.3	55.123	N	162.731	E	33	N	4.6	1.1	51	NEAR EAST COAST OF KAMCHATKA
05	05	38	13.6%	40.845	N	27.558	E	10	G		0.8	7	TURKEY. MD 3.0 (ISK).
05	05	42	34.3*	3.731	S	135.352	E	33	N	4.3	1.1	8	IRIAN JAYA REGION, INDONESIA

05	06	05	23.9	45.576	N	5.478	E	10	G		0.7	11	FRANCE. ML 2.5 (LDG), 2.2 (STR).
05	06	39	22.7	55.387	N	162.402	E	33	N	4.5	1.0	32	NEAR EAST COAST OF KAMCHATKA
05	06	53	14.7*	55.241	N	162.739	E	33	N	4.4	1.2	25	NEAR EAST COAST OF KAMCHATKA
05	07	54	29.7	55.278	N	162.403	E	33	N	4.3	1.0	31	NEAR EAST COAST OF KAMCHATKA
05	07	56	21.5	55.378	N	162.383	E	33	N	4.6	0.9	30	NEAR EAST COAST OF KAMCHATKA
05	08	02	55.3?	0.68	S	136.41	E	33	N	4.4	1.3	7	IRIAN JAYA REGION, INDONESIA
05	08	08	49.8	55.281	N	162.444	E	33	N	5.2 5.1	0.9	145	NEAR EAST COAST OF KAMCHATKA. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:08:55.0; Lat 54.87 N; Lon 163.08 E; Dep 19.8; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.03, Plg=63, Azm=317; (N) Val=-0.01, Plg=9, Azm=209; (P) Val=-2.03, Plg=25, Azm=114; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=185, Dip=22, Slip=64; NP2: Strike=32, Dip=71, Slip=100.
05	08	13	45.0	55.299	N	162.523	E	33	N	4.6	0.8	37	NEAR EAST COAST OF KAMCHATKA
05	08	40	18.6&	38.966	N	27.855	E	10	G		1.6	5	TURKEY. MD 2.8 (ISK).
05	09	16	01.4&	38.981	N	27.859	E	10	G		0.7	9	TURKEY. MD 3.2 (ISK).
05	09	21	58.2&	38.770	N	27.852	E	10	G		0.5	8	TURKEY. MD 3.2 (ISK).
05	09	24	43.6&	60.521	N	150.200	W	31				37	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
05	11	19	49.0*	55.333	N	162.501	E	33	N		0.5	9	NEAR EAST COAST OF KAMCHATKA
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 7.8 (HRV), 7.7 (GS), 7.5 (OBN). Me 7.2 (GS). Ms 7.7 (BRK). 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. Broadband Source Parameters (GS): Radiated energy 1.5*10**15 Nm. Complex earthquake with at least one event occurring about 14 seconds after the onset. Moment Tensor (GS): Dep 10; Principal axes (scale 10**20 Nm): (T) Val=4.15, Plg=57, Azm=327; (N) Val=-0.02, Plg=9, Azm=223; (P) Val=-4.12, Plg=31, Azm=127; Best double couple: Mo=4.1*10**20 Nm; NP1: Strike=190, Dip=16, Slip=56; NP2: Strike=45, Dip=77, Slip=99. Centroid, Moment Tensor (HRV): Centroid origin time 11:27:21.3; Lat 54.31 N; Lon 161.91 E; Dep 33.6; Half-duration 17.1 sec; Principal axes (scale 10**20 Nm): (T) Val=5.25, Plg=66, Azm=321; (N) Val=0.14, Plg=6, Azm=217; (P) Val=-5.39, Plg=23, Azm=124; Best double couple: Mo=5.3*10**20 Nm; NP1: Strike=202, Dip=23, Slip=74; NP2: Strike=39, Dip=68, Slip=97. Moment Tensor (OBN); Principal axes: (T) Plg=64, Azm=306; (N) Plg=5, Azm=207; (P) Plg=26, Azm=114; Best double couple: Mo=2.2*10**20 Nm; NP1: Strike=193, Dip=20, Slip=76; NP2: Strike=28, Dip=71, Slip=95.
05	11	35	19.5	53.909	N	161.550	E	33	N	5.7	0.9	168	OFF EAST COAST OF KAMCHATKA
05	11	37	09.3	54.512	N	162.318	E	33	N	5.6	1.2	101	NEAR EAST COAST OF KAMCHATKA
05	11	40	20.0	53.979	N	161.564	E	33	N	4.9	0.6	33	OFF EAST COAST OF KAMCHATKA
05	11	41	14.7*	54.139	N	161.506	E	33	N	5.1	1.2	46	NEAR EAST COAST OF KAMCHATKA
05	11	42	52.9	53.792	N	161.341	E	33	N	5.4	0.9	177	OFF EAST COAST OF KAMCHATKA
05	11	45	28.3	54.800	N	162.516	E	33	N	5.3	0.9	70	NEAR EAST COAST OF KAMCHATKA
05	11	48	40.9	54.439	N	162.276	E	33	N	5.4	1.0	151	NEAR EAST COAST OF KAMCHATKA
05	11	51	10.3	54.056	N	161.508	E	33	N	5.1	0.8	129	NEAR EAST COAST OF KAMCHATKA
05	11	52	17.4*	54.005	N	161.411	E	33	N	4.9	0.9	17	NEAR EAST COAST OF KAMCHATKA
05	11	53	12.4	54.695	N	161.400	E	33	N	5.1	0.7	68	NEAR EAST COAST OF KAMCHATKA
05	11	55	47.1	53.874	N	161.383	E	33	N	5.1	1.0	124	OFF EAST COAST OF KAMCHATKA
05	12	09	19.6*	54.978	N	162.218	E	33	N	4.1	0.8	10	NEAR EAST COAST OF KAMCHATKA
05	12	10	30.6	54.435	N	162.337	E	33	N	5.0	0.9	68	NEAR EAST COAST OF KAMCHATKA
05	12	13	14.4	44.035	N	7.659	E	5	G		0.4	18	NORTHERN ITALY. ML 2.4 (LDG), 2.1 (GEN).
05	12	16	39.9&	61.674	N	149.510	W	34				37	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
05	12	18	13.4	54.606	N	162.494	E	33	N	4.6	1.0	35	NEAR EAST COAST OF KAMCHATKA
05	12	18	33.4	54.660	N	161.794	E	33	N	4.9	0.8	65	NEAR EAST COAST OF KAMCHATKA
05	12	20	59.5*	56.349	N	163.658	E	33	N	4.6	1.3	20	NEAR EAST COAST OF KAMCHATKA
05	12	21	01.4?	52.48	N	162.48	E	33	N	4.5	0.8	9	OFF EAST COAST OF KAMCHATKA
05	12	22	35.3	53.929	N	161.375	E	33	N	5.0	0.8	110	OFF EAST COAST OF KAMCHATKA
05	12	28	07.7*	54.411	N	161.739	E	33	N		1.1	10	NEAR EAST COAST OF KAMCHATKA
05	12	34	27.9	53.962	N	161.493	E	33	N	4.8	0.7	70	OFF EAST COAST OF KAMCHATKA
05	12	37	30.4	54.539	N	162.234	E	33	N	4.6	0.8	36	NEAR EAST COAST OF KAMCHATKA
05	12	45	31.9	54.026	N	161.626	E	33	N	4.5	0.8	22	NEAR EAST COAST OF KAMCHATKA
05	12	47	35.6	37.061	N	21.001	E	33	N		1.1	18	SOUTHERN GREECE
05	12	51	26.5*	54.024	N	161.613	E	33	N		0.8	10	NEAR EAST COAST OF KAMCHATKA
05	12	53	38.7	54.406	N	161.242	E	33	N	4.7	0.7	35	NEAR EAST COAST OF KAMCHATKA
05	12	53	45.7	37.431	N	20.834	E	33	N	4.3	1.0	29	IONIAN SEA
05	12	54	45.2	53.976	N	161.396	E	33	N	5.1	0.7	155	OFF EAST COAST OF KAMCHATKA
05	13	02	19.0	54.701	N	162.316	E	33	N	4.5	0.8	32	NEAR EAST COAST OF KAMCHATKA
05	13	05	29.4*	54.676	N	161.974	E	33	N		0.8	8	NEAR EAST COAST OF KAMCHATKA
05	13	07	42.9	54.137	N	161.350	E	33	N	4.8	0.8	65	NEAR EAST COAST OF KAMCHATKA
05	13	12	40.9*	54.085	N	161.262	E	33	N	4.3	1.3	23	NEAR EAST COAST OF KAMCHATKA
05	13	14	36.0*	54.454	N	162.474	E	33	N	4.7	1.3	26	NEAR EAST COAST OF KAMCHATKA
05	13	20	32.8*	53.836	N	161.690	E	33	N	4.2	1.4	17	OFF EAST COAST OF KAMCHATKA
05	13	25	28.1*	53.867	N	161.588	E	33	N	4.6	0.9	13	OFF EAST COAST OF KAMCHATKA
05	13	28	47.2	53.775	N	161.525	E	33	N	4.9	0.8	75	OFF EAST COAST OF KAMCHATKA
05	13	35	49.4*	53.930	N	161.522	E	33	N	3.9	0.8	15	OFF EAST COAST OF KAMCHATKA
05	13	39	40.2	53.909	N	161.592	E	33	N	4.6	0.9	39	OFF EAST COAST OF KAMCHATKA
05	13	56	12.3	0.656	N	125.114	E	89		5.5	1.2	106	NORTHERN MOLUCCA SEA. Felt (IV) at Tondano and (III) at Manado, Sulawesi.
05	14	02	54.7	7.422	N	72.829	W	100	G		0.7	13	NORTHERN COLOMBIA
05	14	04	40.7*	53.927	N	162.130	E	33	N	4.7	1.3	31	OFF EAST COAST OF KAMCHATKA

05	14	07	58.4	54.487	N	161.751	E	33	N	4.9	0.7	62	NEAR EAST COAST OF KAMCHATKA
05	14	10	19.6*	54.592	N	161.761	E	33	N	4.6	0.7	10	NEAR EAST COAST OF KAMCHATKA
05	14	19	01.1	55.046	N	162.133	E	33	N	4.7	0.8	38	NEAR EAST COAST OF KAMCHATKA
05	14	21	13.1*	54.994	N	162.056	E	33	N	4.6	0.8	16	NEAR EAST COAST OF KAMCHATKA
05	14	23	04.6	53.827	N	161.460	E	33	N	5.1	0.8	162	OFF EAST COAST OF KAMCHATKA. Felt (III) at Petropavlovsk-Kamchatskiy.
05	14	33	31.9	54.575	N	162.613	E	33	N	4.7	1.2	51	NEAR EAST COAST OF KAMCHATKA
05	14	40	11.7*	54.694	N	161.912	E	33	N	4.4	1.0	16	NEAR EAST COAST OF KAMCHATKA
05	14	40	24.8?	53.87	N	161.44	E	33	N	4.3	1.0	7	OFF EAST COAST OF KAMCHATKA
05	14	46	53.2	53.842	N	161.586	E	33	N	5.0	0.9	131	OFF EAST COAST OF KAMCHATKA
05	14	57	06.5&	60.895	N	149.191	W	36		4.9		216	KENAI PENINSULA, ALASKA. <AEIC>. ML 5.1 (AEIC), 4.9 (PMR). Felt (V) at Girdwood and (IV) at Anchorage, Chugiak, Eagle River, Palmer and Wasilla.
05	14	57	57.0?	53.20	N	163.83	E	33	N	4.7	1.0	9	OFF EAST COAST OF KAMCHATKA
05	15	00	26.5	53.857	N	161.618	E	33	N	4.8	0.8	64	OFF EAST COAST OF KAMCHATKA
05	15	03	26.3	53.953	N	161.369	E	33	N	4.5	0.6	24	OFF EAST COAST OF KAMCHATKA
05	15	26	15.6*	54.874	N	162.896	E	33	N	4.3	0.9	8	NEAR EAST COAST OF KAMCHATKA
05	15	28	30.4*	55.207	N	160.819	E	33	N	4.3	0.7	10	KAMCHATKA
05	15	29	18.9	54.510	N	161.089	E	33	N	5.0	0.9	80	NEAR EAST COAST OF KAMCHATKA
05	15	33	28.9	54.327	N	160.902	E	33	N	4.8	0.9	69	NEAR EAST COAST OF KAMCHATKA
05	15	35	47.5?	53.97	N	161.46	E	33	N	4.4	0.9	7	OFF EAST COAST OF KAMCHATKA
05	15	37	41.1*	53.931	N	158.212	E	33	N	4.5	0.6	13	NEAR EAST COAST OF KAMCHATKA
05	15	51	08.1?	53.96	N	161.60	E	33	N	4.2	1.1	8	OFF EAST COAST OF KAMCHATKA
05	15	53	56.0*	53.798	N	161.402	E	33	N	4.3	1.0	11	OFF EAST COAST OF KAMCHATKA
05	15	54	11.9&	61.710	N	150.814	W	62				48	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.4 (PMR).
05	15	55	19.3?	13.64	N	91.78	W	33	N	4.4	1.0	22	NEAR COAST OF GUATEMALA
05	15	55	36.6	54.726	N	162.370	E	33	N	4.9	0.7	57	NEAR EAST COAST OF KAMCHATKA
05	16	00	13.1*	54.913	N	162.782	E	33	N	4.3	0.4	9	NEAR EAST COAST OF KAMCHATKA
05	16	07	05.7	54.608	N	162.548	E	33	N	4.5	0.9	30	NEAR EAST COAST OF KAMCHATKA
05	16	10	13.0	54.683	N	162.420	E	33	N	4.8	0.9	49	NEAR EAST COAST OF KAMCHATKA
05	16	17	25.0	53.721	N	161.291	E	33	N	4.8	1.1	40	OFF EAST COAST OF KAMCHATKA
05	16	21	43.0	53.880	N	161.513	E	33	N	4.5	0.9	22	OFF EAST COAST OF KAMCHATKA
05	16	25	11.5&	31.926	N	116.320	W	6	G			20	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.6 (PAS). MD 3.5 (ECX). Felt at Ensenada.
05	16	25	53.5	53.920	N	161.826	E	33	N	4.9	0.9	135	OFF EAST COAST OF KAMCHATKA
05	16	27	02.8	54.094	N	161.878	E	33	N	5.2	1.4	37	NEAR EAST COAST OF KAMCHATKA
05	16	30	46.2?	52.74	N	163.05	E	33	N	4.5	1.4	11	OFF EAST COAST OF KAMCHATKA
05	16	32	11.3	53.962	N	161.986	E	33	N	4.7	1.1	23	OFF EAST COAST OF KAMCHATKA
05	16	32	41.6	53.918	N	161.922	E	33	N	4.8	0.8	40	OFF EAST COAST OF KAMCHATKA
05	16	36	42.3*	54.655	N	161.716	E	33	N	4.6	0.8	15	NEAR EAST COAST OF KAMCHATKA
05	16	41	58.4	54.073	N	161.841	E	33	N	4.2	0.5	16	NEAR EAST COAST OF KAMCHATKA
05	16	43	37.4	54.789	N	162.298	E	33	N	4.6	0.7	35	NEAR EAST COAST OF KAMCHATKA
05	16	46	57.0*	54.055	N	161.460	E	33	N	4.3	1.3	21	NEAR EAST COAST OF KAMCHATKA
05	16	50	05.1	54.114	N	160.918	E	33	N	4.7	1.0	22	NEAR EAST COAST OF KAMCHATKA
05	16	51	47.2*	53.989	N	161.335	E	33	N	4.4	1.0	18	OFF EAST COAST OF KAMCHATKA
05	16	55	09.4	35.609	N	1.396	E	10	G	3.9	1.2	54	NORTHERN ALGERIA
05	16	56	07.3	54.465	N	162.350	E	33	N	4.7	1.2	43	NEAR EAST COAST OF KAMCHATKA
05	16	57	47.9*	54.452	N	162.115	E	33	N	4.9	1.2	43	NEAR EAST COAST OF KAMCHATKA
05	17	02	13.5*	37.360	N	20.906	E	33	N		1.1	11	IONIAN SEA
05	17	04	01.4*	54.066	N	161.833	E	33	N	4.5	1.0	17	NEAR EAST COAST OF KAMCHATKA
05	17	04	38.9&	34.097	N	116.996	W	5				57	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.1 (PAS), 4.2 (GS), 4.5 (BRK). Felt in the epicentral area.
05	17	13	35.9*	54.414	N	162.108	E	33	N	4.6	1.3	30	NEAR EAST COAST OF KAMCHATKA
05	17	17	49.7*	53.947	N	161.437	E	33	N	4.5	0.9	20	OFF EAST COAST OF KAMCHATKA
05	17	23	46.8	53.922	N	161.581	E	33	N	4.9 4.4	0.9	102	OFF EAST COAST OF KAMCHATKA
05	17	27	51.9%	39.018	N	27.813	E	10	G		0.4	7	TURKEY. MD 3.2 (ISK).
05	17	29	11.4	53.882	N	161.464	E	33	N	4.6	0.9	34	OFF EAST COAST OF KAMCHATKA
05	17	29	39.2	44.844	N	6.679	E	10	G		0.7	28	FRANCE. ML 2.5 (LDG), 2.4 (GEN), 2.1 (STR).
05	17	32	21.2	54.609	N	162.163	E	33	N	4.6	0.3	16	NEAR EAST COAST OF KAMCHATKA
05	17	35	10.5	54.910	N	162.588	E	33	N	4.6	1.0	39	NEAR EAST COAST OF KAMCHATKA
05	17	37	40.4	53.965	N	161.486	E	33	N	4.6	0.7	27	OFF EAST COAST OF KAMCHATKA
05	17	51	20.2*	54.775	N	162.357	E	33	N	4.4	0.9	15	NEAR EAST COAST OF KAMCHATKA
05	17	54	09.2*	54.752	N	161.252	E	33	N	4.3	1.1	13	NEAR EAST COAST OF KAMCHATKA
05	17	57	31.2?	17.26	S	179.09	W	500	G	4.4	0.8	11	FIJI ISLANDS REGION
05	17	58	44.0	46.134	N	13.662	E	5	G		1.0	14	AUSTRIA. ML 2.5 (VIE), 2.2 (LJU).
05	18	00	52.8	54.196	N	161.841	E	33	N	4.3	0.7	20	NEAR EAST COAST OF KAMCHATKA
05	18	06	37.6	53.997	N	161.438	E	33	N	4.5	0.8	43	OFF EAST COAST OF KAMCHATKA
05	18	09	25.9	54.865	N	162.854	E	33	N	4.6	1.0	42	NEAR EAST COAST OF KAMCHATKA
05	18	11	36.2	54.151	N	161.443	E	33	N	4.5	1.0	30	NEAR EAST COAST OF KAMCHATKA
05	18	13	21.7*	54.056	N	161.871	E	33	N	4.3	1.3	12	NEAR EAST COAST OF KAMCHATKA
05	18	13	49.4	53.967	N	161.865	E	33	N	4.9	1.0	56	OFF EAST COAST OF KAMCHATKA
05	18	16	08.1?	54.12	N	161.44	E	33	N	4.7	1.2	12	NEAR EAST COAST OF KAMCHATKA
05	18	18	54.0*	54.554	N	163.247	E	33	N	4.1	1.3	8	OFF EAST COAST OF KAMCHATKA
05	18	23	30.8	53.773	N	161.595	E	33	N	4.5	0.8	21	OFF EAST COAST OF KAMCHATKA
05	18	27	54.3?	54.40	N	162.00	E	33	N	4.1	1.4	7	NEAR EAST COAST OF KAMCHATKA
05	18	28	28.4	54.812	N	162.755	E	33	N	4.7	0.8	32	NEAR EAST COAST OF KAMCHATKA
05	18	30	20.4*	54.711	N	162.982	E	33	N	4.3	0.9	11	NEAR EAST COAST OF KAMCHATKA
05	18	32	49.1	54.840	N	162.826	E	33	N	4.6	0.8	39	NEAR EAST COAST OF KAMCHATKA
05	18	38	17.6	54.010	N	161.843	E	33	N	4.6	0.8	33	NEAR EAST COAST OF KAMCHATKA
05	18	45	53.4*	54.071	N	161.573	E	33	N	4.3	0.7	17	NEAR EAST COAST OF KAMCHATKA
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 6.6 (OBN), 6.5 (HRV), 6.4 (GS). Me 6.5 (GS). Ms 6.4 (BRK). Felt (IV) at Petropavlovsk-Kamchatskiy. Also felt (II) at Severo-Kurilsk, Paramushir.

Broadband Source Parameters (GS): Dep 15; NP1: Strike=195, Dip=5, Slip=90; NP2: Strike=15, Dip=85, Slip=90; Radiated energy 1.1*10**14 Nm.

Moment Tensor (GS): Dep 16; Principal axes (scale 10**18 Nm): (T) Val=3.81, Plg=48, Azm=296; (N) Val=-0.11, Plg=10, Azm=194; (P) Val=-3.70, Plg=40, Azm=96; Best double couple: Mo=3.8*10**18 Nm; NP1: Strike=126, Dip=11, Slip=21; NP2: Strike=15, Dip=86, Slip=100.

Centroid, Moment Tensor (HRV): Centroid origin time 18:48:28.3; Lat 53.68 N; Lon 161.96 E; Dep 16.0 Bdy; Half-

duration 4.0 sec; Principal axes (scale 10**18 Nm): (T) Val=4.89, Plg=63, Azm=279; (N) Val=0.98, Plg=4, Azm=18; (P) Val=-5.87, Plg=27, Azm=110; Best double couple: Mo=5.4*10**18 Nm; NP1: Strike=212, Dip=19, Slip=104; NP2: Strike=17, Dip=72, Slip=85.
Scalar Moment (OBN): Mo=9.3*10**18 Nm.

05	18	59	17.9	54.073	N	161.519	E	33	N	4.6		0.8	18	NEAR EAST COAST OF KAMCHATKA
05	19	01	02.2&	34.096	N	116.999	W	5					24	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
05	19	02	03.5	53.882	N	161.633	E	33	N	5.1		0.7	84	OFF EAST COAST OF KAMCHATKA
05	19	02	22.9	53.955	N	161.474	E	33	N	5.0		1.0	71	OFF EAST COAST OF KAMCHATKA
05	19	02	24.7&	63.416	N	150.999	W	12					26	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
05	19	04	06.7	53.792	N	161.596	E	33	N	5.5		0.8	268	OFF EAST COAST OF KAMCHATKA
05	19	13	26.0*	53.887	N	161.860	E	33	N	4.3		0.9	14	OFF EAST COAST OF KAMCHATKA
05	19	17	10.6*	54.033	N	161.725	E	33	N	4.3		0.9	15	NEAR EAST COAST OF KAMCHATKA
05	19	18	10.3	54.106	N	161.711	E	33	N	4.5		0.9	35	NEAR EAST COAST OF KAMCHATKA
05	19	20	23.4*	54.017	N	161.750	E	33	N	4.4		0.7	13	NEAR EAST COAST OF KAMCHATKA
05	19	21	11.6	54.000	N	161.640	E	33	N	4.6		1.0	47	NEAR EAST COAST OF KAMCHATKA
05	19	29	26.9*	53.872	N	161.528	E	33	N	4.4		0.8	16	OFF EAST COAST OF KAMCHATKA
05	19	31	35.8*	54.163	N	161.771	E	33	N	4.4		0.7	15	NEAR EAST COAST OF KAMCHATKA
05	19	37	28.5	53.880	N	161.657	E	33	N	4.3		0.8	21	OFF EAST COAST OF KAMCHATKA
05	19	39	07.3*	53.998	N	161.882	E	33	N	4.4		1.1	25	OFF EAST COAST OF KAMCHATKA
05	19	43	19.8*	54.936	N	162.604	E	33	N	4.4		0.7	17	NEAR EAST COAST OF KAMCHATKA
05	19	51	07.3*	55.005	N	162.518	E	33	N	4.2		1.1	13	NEAR EAST COAST OF KAMCHATKA
05	19	55	19.9	53.977	N	161.848	E	33	N	4.8		0.8	53	OFF EAST COAST OF KAMCHATKA
05	20	02	07.5*	54.155	N	162.328	E	33	N	4.3		1.3	18	NEAR EAST COAST OF KAMCHATKA
05	20	03	45.9*	54.415	N	160.851	E	33	N	4.2		0.7	11	NEAR EAST COAST OF KAMCHATKA
05	20	05	19.9*	54.482	N	161.944	E	33	N	4.1		0.9	19	NEAR EAST COAST OF KAMCHATKA
05	20	06	48.3	53.725	N	161.712	E	33	N	5.1		0.9	128	OFF EAST COAST OF KAMCHATKA
05	20	09	23.6?	53.31	N	163.96	E	33	N	4.5		1.2	6	OFF EAST COAST OF KAMCHATKA
05	20	10	40.3	53.884	N	161.611	E	33	N	4.3		0.8	26	OFF EAST COAST OF KAMCHATKA
05	20	12	02.8%	40.444	S	174.612	E	33	N			0.4	16	COOK STRAIT, NEW ZEALAND. ML 4.4 (WEL).
05	20	12	23.1*	53.748	N	161.732	E	33	N	4.7		1.2	32	OFF EAST COAST OF KAMCHATKA
05	20	18	29.4*	54.256	N	161.516	E	33	N	4.1		0.8	11	NEAR EAST COAST OF KAMCHATKA
05	20	21	12.0	53.974	N	161.677	E	33	N	4.7		1.0	49	OFF EAST COAST OF KAMCHATKA
05	20	25	34.5?	32.25	S	71.78	W	40	G			0.4	12	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
05	20	30	55.6	53.656	N	161.842	E	33	N	5.1		1.0	176	OFF EAST COAST OF KAMCHATKA
05	20	31	38.6	13.095	S	166.539	E	33	N	4.6		1.1	59	VANUATU ISLANDS
05	20	33	04.5	53.928	N	161.545	E	33	N	4.9		0.7	73	OFF EAST COAST OF KAMCHATKA
05	20	39	32.0	53.785	N	161.692	E	33	N	4.9		1.1	28	OFF EAST COAST OF KAMCHATKA
05	20	41	53.1*	53.867	N	161.619	E	33	N	4.4		0.8	13	OFF EAST COAST OF KAMCHATKA
05	20	42	52.4	53.897	N	161.856	E	33	N	4.7		1.2	50	OFF EAST COAST OF KAMCHATKA
05	20	44	53.6&	37.636	N	118.970	W	7					11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM).
05	20	57	17.7%	40.112	S	174.389	E	10	G			0.3	10	COOK STRAIT, NEW ZEALAND. ML 4.1 (WEL).
05	20	59	21.8*	53.851	N	162.076	E	33	N	4.7		0.8	18	OFF EAST COAST OF KAMCHATKA
05	21	08	40.5%	44.514	N	7.128	E	10	G			0.2	5	NORTHERN ITALY. ML 1.7 (GEN).
05	21	10	58.8*	53.961	N	161.579	E	33	N	4.1		1.2	14	OFF EAST COAST OF KAMCHATKA
05	21	14	29.0	53.977	N	161.421	E	33	N	4.8		0.8	98	OFF EAST COAST OF KAMCHATKA
05	21	19	43.4	53.855	N	161.911	E	33	N	5.2		0.9	174	OFF EAST COAST OF KAMCHATKA
05	21	19	52.0*	23.180	S	77.385	E	10	G	4.9		1.2	15	SOUTH INDIAN OCEAN
05	21	19	58.6&	60.898	N	149.190	W	36					44	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
05	21	24	21.6	53.791	N	161.594	E	33	N	5.2	5.3	0.9	218	OFF EAST COAST OF KAMCHATKA
05	21	24	46.9%	44.379	N	7.328	E	10	G			0.5	9	NORTHERN ITALY. ML 2.0 (GEN).
05	21	32	15.7	54.043	N	161.882	E	33	N	4.8		0.9	49	NEAR EAST COAST OF KAMCHATKA
05	21	37	30.5	53.957	N	161.416	E	33	N	4.7		0.9	41	OFF EAST COAST OF KAMCHATKA
05	21	51	14.3*	54.031	N	161.862	E	33	N	4.4		0.7	18	NEAR EAST COAST OF KAMCHATKA
05	22	10	30.2*	53.922	N	161.804	E	33	N	4.5		1.1	19	OFF EAST COAST OF KAMCHATKA
05	22	15	38.6*	54.036	N	161.586	E	33	N	4.1		1.0	19	NEAR EAST COAST OF KAMCHATKA
05	22	23	42.3*	53.972	N	161.728	E	33	N	4.7		1.1	24	OFF EAST COAST OF KAMCHATKA
05	22	24	27.3	54.094	N	161.760	E	33	N	4.7		0.8	60	NEAR EAST COAST OF KAMCHATKA
05	22	34	13.1	53.966	N	161.449	E	33	N	4.5		0.9	30	OFF EAST COAST OF KAMCHATKA
05	22	37	26.2	53.881	N	161.761	E	33	N	5.2	4.7	0.8	248	OFF EAST COAST OF KAMCHATKA
05	22	48	14.3	25.377	N	144.843	E	33	N	5.2		0.9	109	VOLCANO ISLANDS REGION
05	22	49	34.3	54.061	N	161.499	E	33	N	4.4		0.8	24	NEAR EAST COAST OF KAMCHATKA
05	23	06	18.7*	53.826	N	161.898	E	33	N	4.6		1.3	16	OFF EAST COAST OF KAMCHATKA
05	23	08	36.9*	53.933	N	161.443	E	33	N	4.4		0.6	13	OFF EAST COAST OF KAMCHATKA
05	23	10	23.7&	38.796	N	122.736	W	2					10	NORTHERN CALIFORNIA. <GM-P>. ML 3.1 (GM), 3.1 (BRK).
05	23	16	58.1*	54.051	N	161.985	E	33	N	4.3		0.5	11	NEAR EAST COAST OF KAMCHATKA
05	23	19	48.3	54.035	N	161.682	E	33	N	4.7		1.0	23	NEAR EAST COAST OF KAMCHATKA
05	23	21	38.1?	17.16	N	67.26	W	33	N			0.4	7	MONA PASSAGE. MD 3.1 (MPR).
05	23	25	16.0%	40.582	N	30.372	E	10	G			0.4	7	TURKEY. MD 3.1 (ISK).
05	23	33	54.1%	44.293	N	8.838	E	10	G			0.3	13	NORTHERN ITALY. ML 2.1 (GEN).
05	23	36	08.7	51.919	N	175.292	E	33	N	4.8		0.9	39	RAT ISLANDS, ALEUTIAN ISLANDS
05	23	45	18.1&	63.057	N	149.445	W	86					45	CENTRAL ALASKA. <AEIC>.
05	23	47	41.6*	30.956	S	71.725	W	20	G			0.8	14	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
05	23	57	20.9	53.733	N	161.836	E	33	N	5.1	5.0	1.0	163	OFF EAST COAST OF KAMCHATKA
05	23	57	33.1?	33.95	N	138.64	E	10	G			1.3	4	SOUTH OF HONSHU, JAPAN. Felt (III JMA) on Kozu-shima; (II JMA) on Miyake-jima and Nii-jima.
06	00	05	26.0	53.925	N	161.713	E	33	N	5.0		0.8	113	OFF EAST COAST OF KAMCHATKA
06	00	10	56.9?	54.28	N	161.58	E	33	N			1.5	7	NEAR EAST COAST OF KAMCHATKA
06	00	12	59.0	36.939	N	30.888	E	107		4.2		1.1	85	TURKEY. MD 4.4 (ISK). Felt in Antalya, Burdur and Isparta.
06	00	14	48.0*	54.833	N	161.345	E	33	N	3.8		1.1	17	NEAR EAST COAST OF KAMCHATKA
06	00	21	39.9	53.695	N	161.676	E	33	N	4.9		1.0	131	OFF EAST COAST OF KAMCHATKA
06	00	25	06.7	53.734	N	161.570	E	33	N	5.3	5.5	1.0	271	OFF EAST COAST OF KAMCHATKA. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:25:12.1; Lat 53.72 N; Lon 161.76 E; Dep 30.0 Bdy; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=4.74, Plg=71, Azm=324; (N) Val=0.32, Plg=12, Azm=197; (P) Val=-5.06, Plg=15, Azm=104; Best double couple: Mo=4.9*10**17 Nm; NP1: Strike=177, Dip=32, Slip=67; NP2: Strike=24, Dip=61, Slip=104.
06	00	35	13.7?	54.06	N	161.71	E	33	N			0.8	6	NEAR EAST COAST OF KAMCHATKA
06	00	41	00.7	54.009	N	160.898	E	33	N	5.2		0.8	208	NEAR EAST COAST OF KAMCHATKA
06	00	51	54.0?	53.98	N	161.56	E	33	N			0.7	7	OFF EAST COAST OF KAMCHATKA

06	00	58	11.0*	53.967	N	161.559	E	33	N	4.5	1.1	15	OFF EAST COAST OF KAMCHATKA
06	00	59	38.5*	53.987	N	161.717	E	33	N	4.4	0.8	20	OFF EAST COAST OF KAMCHATKA
06	01	13	45.0*	55.158	N	162.482	E	33	N	4.1	1.3	21	NEAR EAST COAST OF KAMCHATKA
06	01	21	55.1	30.572	S	71.490	W	33	N	4.9	1.4	33	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
06	01	25	39.8*	53.745	N	161.780	E	33	N	4.2	0.9	12	OFF EAST COAST OF KAMCHATKA
06	01	32	14.0*	53.871	N	161.723	E	33	N	4.2	1.0	13	OFF EAST COAST OF KAMCHATKA
06	01	40	05.3*	53.506	N	162.930	E	33	N	4.6	1.2	10	OFF EAST COAST OF KAMCHATKA
06	01	42	38.3	53.965	N	161.416	E	33	N	4.5	0.8	49	OFF EAST COAST OF KAMCHATKA
06	01	56	37.8*	53.938	N	161.438	E	33	N	4.4	1.2	15	OFF EAST COAST OF KAMCHATKA
06	01	58	01.0*	53.875	N	161.488	E	33	N	4.6	1.1	17	OFF EAST COAST OF KAMCHATKA
06	02	00	13.8*	54.210	N	162.006	E	33	N	4.5	1.3	11	NEAR EAST COAST OF KAMCHATKA
06	02	03	52.5*	44.446	N	11.008	E	10	G		0.7	19	NORTHERN ITALY. ML 2.7 (LDG).
06	02	06	47.6*	54.940	N	162.572	E	33	N	4.0	0.9	10	NEAR EAST COAST OF KAMCHATKA
06	02	07	01.8	54.436	N	161.726	E	33	N	5.1 4.5	0.9	168	NEAR EAST COAST OF KAMCHATKA
06	02	14	55.8&	54.132	N	161.686	E	33	N		1.0	7	NEAR EAST COAST OF KAMCHATKA
06	02	23	06.8*	53.854	N	161.746	E	33	N		0.5	7	OFF EAST COAST OF KAMCHATKA
06	02	28	01.4?	54.37	N	161.93	E	33	N		1.2	9	NEAR EAST COAST OF KAMCHATKA
06	02	31	57.2	54.945	N	162.614	E	33	N	4.6	0.9	33	NEAR EAST COAST OF KAMCHATKA
06	02	40	28.9	54.053	N	161.476	E	33	N	4.5	1.0	42	NEAR EAST COAST OF KAMCHATKA
06	02	56	41.0*	54.126	N	161.654	E	33	N	4.4	1.3	10	NEAR EAST COAST OF KAMCHATKA
06	03	03	22.2	54.694	N	162.909	E	33	N	5.1 5.0	1.0	152	NEAR EAST COAST OF KAMCHATKA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:03:27.1; Lat 54.55 N; Lon 163.23 E; Dep 34.1; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.42, Plg=76, Azm=336; (N) Val=0.15, Plg=8, Azm=213; (P) Val=-1.57, Plg=11, Azm=121; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=201, Dip=34, Slip=76; NP2: Strike=38, Dip=57, Slip=99.
06	03	07	36.4	55.074	N	162.540	E	33	N	4.5	0.8	29	NEAR EAST COAST OF KAMCHATKA
06	03	10	41.1	54.511	N	162.102	E	33	N	4.6	0.9	19	NEAR EAST COAST OF KAMCHATKA
06	03	19	38.7*	23.870	S	179.654	W	500	G	4.7	1.0	26	SOUTH OF FIJI ISLANDS
06	03	20	00.9*	54.014	N	161.727	E	33	N	4.0	0.8	12	NEAR EAST COAST OF KAMCHATKA
06	03	21	41.6*	53.937	N	161.444	E	33	N	4.2	1.2	24	OFF EAST COAST OF KAMCHATKA
06	03	36	48.6*	55.150	N	162.393	E	33	N	4.3	1.2	27	NEAR EAST COAST OF KAMCHATKA
06	03	39	57.1	49.353	N	6.809	E	5	G		1.2	16	GERMANY. ML 2.4 (LDG), 2.1 (FBB). Mining induced event in the Lorraine region, France.
06	03	40	45.1?	52.89	N	160.74	E	33	N	4.1	1.5	14	OFF EAST COAST OF KAMCHATKA
06	03	59	56.4*	55.020	N	161.989	E	33	N	4.5	0.7	9	NEAR EAST COAST OF KAMCHATKA
06	04	05	07.3&	60.174	N	153.079	W	124				18	SOUTHERN ALASKA. <AEIC>.
06	04	08	57.3*	53.929	N	161.506	E	33	N	4.2	1.1	14	OFF EAST COAST OF KAMCHATKA
06	04	10	09.9	54.530	N	162.213	E	33	N	4.8	0.8	81	NEAR EAST COAST OF KAMCHATKA
06	04	19	01.8	53.849	N	161.952	E	33	N	4.5	0.9	23	OFF EAST COAST OF KAMCHATKA
06	04	24	27.8	54.576	N	162.110	E	33	N	4.7	0.9	40	NEAR EAST COAST OF KAMCHATKA
06	04	42	07.6	29.659	S	71.286	W	33	N		1.0	22	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
06	04	51	42.7	53.879	N	161.485	E	33	N	4.3	0.7	27	OFF EAST COAST OF KAMCHATKA
06	04	53	01.0*	35.576	N	99.232	E	33	N	4.5	1.4	18	QINGHAI, CHINA
06	04	56	01.9*	53.703	N	161.856	E	33	N	4.4	1.4	22	OFF EAST COAST OF KAMCHATKA
06	05	05	44.7	53.791	N	161.806	E	33	N	4.5	1.1	42	OFF EAST COAST OF KAMCHATKA
06	05	09	49.6	54.971	N	162.080	E	33	N	5.2 4.7	0.8	217	NEAR EAST COAST OF KAMCHATKA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:09:56.9; Lat 54.93 N; Lon 162.50 E; Dep 45.8; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.09, Plg=74, Azm=319; (N) Val=0.02, Plg=4, Azm=215; (P) Val=-1.11, Plg=15, Azm=124; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=208, Dip=30, Slip=82; NP2: Strike=37, Dip=60, Slip=95.
06	05	15	48.1*	53.891	N	161.793	E	33	N	4.2	0.7	12	OFF EAST COAST OF KAMCHATKA
06	05	40	03.1*	55.109	N	162.608	E	33	N	3.9	1.1	11	NEAR EAST COAST OF KAMCHATKA
06	05	43	18.0	53.560	N	161.952	E	33	N	4.5	1.1	39	OFF EAST COAST OF KAMCHATKA
06	06	00	17.0?	53.72	N	161.62	E	33	N		1.2	7	OFF EAST COAST OF KAMCHATKA
06	06	02	05.5	44.267	N	6.485	E	5	G		0.4	18	FRANCE. ML 1.7 (LDG).
06	06	04	03.5*	53.839	N	161.821	E	33	N	4.5	1.1	11	OFF EAST COAST OF KAMCHATKA
06	06	15	24.1	54.534	N	162.645	E	33	N	5.0	1.2	65	NEAR EAST COAST OF KAMCHATKA
06	06	17	49.2	53.826	N	161.653	E	33	N	4.5	1.1	33	OFF EAST COAST OF KAMCHATKA
06	06	37	06.2	54.829	N	162.772	E	33	N	5.2	0.9	262	NEAR EAST COAST OF KAMCHATKA. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:37:09.0; Lat 54.57 N; Lon 162.19 E; Dep 39.0; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.16, Plg=71, Azm=338; (N) Val=-0.04, Plg=12, Azm=211; (P) Val=-2.12, Plg=14, Azm=118; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=192, Dip=32, Slip=68; NP2: Strike=38, Dip=60, Slip=103.
06	06	38	00.7	54.689	N	161.460	E	33	N	5.7 5.0	0.8	302	NEAR EAST COAST OF KAMCHATKA. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:38:08.6; Lat 54.52 N; Lon 162.08 E; Dep 46.0 Bdy; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.70, Plg=75, Azm=336; (N) Val=0.21, Plg=8, Azm=214; (P) Val=-2.91, Plg=13, Azm=123; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=202, Dip=33, Slip=75; NP2: Strike=39, Dip=58, Slip=100.
06	06	40	44.2*	35.385	N	140.001	E	33	N	4.7	1.3	27	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) in parts of Chiba, Kanagawa, Saitama and Tokyo Prefectures. Also felt in southern Ibaraki Prefecture.
06	06	46	37.2*	54.089	N	161.479	E	33	N	4.1	1.2	12	NEAR EAST COAST OF KAMCHATKA
06	06	48	27.5	54.301	N	161.514	E	33	N	5.1	0.8	180	NEAR EAST COAST OF KAMCHATKA
06	06	52	07.5	53.850	N	161.569	E	33	N	4.6	0.9	55	OFF EAST COAST OF KAMCHATKA
06	07	00	44.7	54.998	N	162.094	E	33	N	4.0	0.6	17	NEAR EAST COAST OF KAMCHATKA
06	07	03	40.0?	54.95	N	162.14	E	33	N		1.3	11	NEAR EAST COAST OF KAMCHATKA
06	07	18	42.8*	21.980	S	67.281	W	191		3.7	0.6	11	CHILE-BOLIVIA BORDER REGION
06	07	22	03.4&	45.605	N	5.521	E	10	G		1.0	5	FRANCE. ML 2.0 (LDG).
06	07	23	10.5*	54.962	N	161.974	E	33	N	4.3	0.9	13	NEAR EAST COAST OF KAMCHATKA
06	07	29	35.9	54.735	N	162.436	E	33	N	4.6	0.9	40	NEAR EAST COAST OF KAMCHATKA
06	07	33	01.9*	53.908	N	161.362	E	33	N		0.4	7	OFF EAST COAST OF KAMCHATKA

06	07	42	17.6*	54.367	N	161.298	E	33	N	4.4	0.9	14	NEAR EAST COAST OF KAMCHATKA
06	07	44	00.5*	37.508	N	20.378	E	33	N	4.2	0.9	12	IONIAN SEA
06	07	48	22.3&	37.633	N	118.958	W	7				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
06	07	50	18.2&	37.635	N	118.915	W	5				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.9 (GS).
06	07	54	23.2	53.693	N	161.735	E	33	N	4.7	1.2	64	OFF EAST COAST OF KAMCHATKA
06	08	06	49.1	64.908	N	88.089	W	10	G	5.4 4.5	0.8	305	NORTHWEST TERRITORIES, CANADA
06	08	31	04.3*	54.327	N	162.100	E	33	N	4.6	1.2	25	NEAR EAST COAST OF KAMCHATKA
06	08	49	09.6?	38.90	N	27.77	E	10	G		0.5	4	TURKEY. MD 2.7 (ISK).
06	08	52	49.3*	54.970	N	161.993	E	33	N	4.3	0.7	12	NEAR EAST COAST OF KAMCHATKA
06	09	03	27.3	53.811	N	161.609	E	33	N	4.5	0.9	42	OFF EAST COAST OF KAMCHATKA
06	09	12	23.1	55.000	N	162.855	E	33	N	4.2	0.8	25	NEAR EAST COAST OF KAMCHATKA
06	09	14	14.3	54.049	N	161.756	E	33	N	4.5	0.9	32	NEAR EAST COAST OF KAMCHATKA
06	09	17	03.1*	17.596	S	179.007	W	600	G	3.9	0.6	12	FIJI ISLANDS REGION
06	09	20	26.8&	37.634	N	118.916	W	5				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (GS).
06	09	31	23.2*	54.876	N	161.308	E	33	N		0.7	8	NEAR EAST COAST OF KAMCHATKA
06	09	42	54.8?	40.49	N	29.27	E	10	G		0.6	4	TURKEY. MD 2.6 (ISK).
06	09	42	57.7	54.792	N	162.330	E	33	N	4.5	1.0	26	NEAR EAST COAST OF KAMCHATKA
06	09	46	06.0&	37.635	N	118.902	W	5				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.8 (GS).
06	09	52	48.5?	55.08	N	162.30	E	33	N	4.1	0.7	6	NEAR EAST COAST OF KAMCHATKA
06	09	54	30.6&	44.286	N	8.813	E	5	G		0.3	10	NORTHERN ITALY. ML 2.0 (GEN).
06	10	05	04.5	53.963	N	161.931	E	33	N	5.4 5.4	0.9	295	OFF EAST COAST OF KAMCHATKA. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:05:10.1; Lat 53.64 N; Lon 162.36 E; Dep 19.4; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.61, Plg=68, Azm=319; (N) Val=0.13, Plg=6, Azm=213; (P) Val=-3.73, Plg=21, Azm=120; Best double couple: Mo=3.7*10**17 Nm; NP1: Strike=198, Dip=25, Slip=75; NP2: Strike=35, Dip=66, Slip=97.
06	10	21	59.0	54.197	N	161.964	E	33	N	4.5	0.8	19	NEAR EAST COAST OF KAMCHATKA
06	10	33	50.9?	53.81	N	161.90	E	33	N	4.1	0.4	6	OFF EAST COAST OF KAMCHATKA
06	10	34	50.7&	36.460	N	120.448	W	9				21	CENTRAL CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.6 (PAS), 3.5 (BRK), 3.5 (GS).
06	10	36	54.7?	54.08	N	161.69	E	33	N	4.3	1.3	9	NEAR EAST COAST OF KAMCHATKA
06	10	41	36.6?	54.43	N	161.26	E	33	N		1.3	8	NEAR EAST COAST OF KAMCHATKA
06	10	42	27.9*	8.686	S	112.481	E	33	N		1.4	8	JAWA, INDONESIA
06	10	43	12.5	54.112	N	161.936	E	33	N	4.6	1.1	41	NEAR EAST COAST OF KAMCHATKA
06	10	52	09.6	54.001	N	161.533	E	33	N	4.2	0.9	15	NEAR EAST COAST OF KAMCHATKA
06	10	59	10.0	53.972	N	161.909	E	33	N	5.7 5.8	1.0	427	OFF EAST COAST OF KAMCHATKA. Mw 6.6 (OBN), 6.1 (HRV), 5.9 (GS). Me 5.7 (GS). Broadband Source Parameters (GS): Dep 17; NP1: Strike=210, Dip=25, Slip=75; NP2: Strike=46, Dip=66, Slip=97; Radiated energy 9.1*10**12 Nm. Moment Tensor (GS): Dep 23; Principal axes (scale 10**17 Nm): (T) Val=8.65, Plg=67, Azm=328; (N) Val=0.63, Plg=14, Azm=202; (P) Val=-9.27, Plg=18, Azm=107; Best double couple: Mo=9.0*10**17 Nm; NP1: Strike=176, Dip=29, Slip=60; NP2: Strike=29, Dip=65, Slip=106. Centroid, Moment Tensor (HRV): Centroid origin time 10:59:14.9; Lat 53.85 N; Lon 162.29 E; Dep 18.0 Bdy; Half-duration 2.7 sec; Principal axes (scale 10**18 Nm): (T) Val=1.54, Plg=69, Azm=325; (N) Val=0.02, Plg=7, Azm=218; (P) Val=-1.56, Plg=20, Azm=125; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=204, Dip=26, Slip=75; NP2: Strike=41, Dip=65, Slip=97. Scalar Moment (OBN): Mo=8.1*10**18 Nm.
06	11	04	48.4*	53.928	N	161.975	E	33	N	4.7	1.1	20	OFF EAST COAST OF KAMCHATKA
06	11	16	45.5?	54.55	N	162.81	E	33	N		0.8	6	NEAR EAST COAST OF KAMCHATKA
06	11	21	37.3*	54.030	N	161.950	E	33	N	4.7	0.8	48	NEAR EAST COAST OF KAMCHATKA
06	11	49	27.1?	12.79	S	166.56	E	100	G		1.1	6	SANTA CRUZ ISLANDS
06	12	10	54.9*	53.879	N	161.667	E	33	N		0.8	9	OFF EAST COAST OF KAMCHATKA
06	12	15	01.4*	54.082	N	162.066	E	33	N	4.3	0.5	9	NEAR EAST COAST OF KAMCHATKA
06	12	17	23.6	45.675	N	27.092	E	33	N	4.2	1.3	33	ROMANIA. Felt at Focsani.
06	12	17	40.5	53.995	N	162.102	E	33	N	4.3	0.8	16	OFF EAST COAST OF KAMCHATKA
06	12	29	24.0	53.767	N	161.599	E	33	N	4.2	0.9	27	OFF EAST COAST OF KAMCHATKA
06	12	35	55.9	53.855	N	161.531	E	33	N	4.5	0.9	31	OFF EAST COAST OF KAMCHATKA
06	12	37	21.6	54.924	N	162.104	E	33	N	5.5 5.6	0.9	332	NEAR EAST COAST OF KAMCHATKA. Mw 5.9 (HRV), 5.8 (GS). Moment Tensor (GS): Dep 16; Principal axes (scale 10**17 Nm): (T) Val=5.15, Plg=74, Azm=303; (N) Val=0.31, Plg=5, Azm=195; (P) Val=-5.46, Plg=15, Azm=104; Best double couple: Mo=5.3*10**17 Nm; NP1: Strike=185, Dip=31, Slip=80; NP2: Strike=18, Dip=60, Slip=96. Centroid, Moment Tensor (HRV): Centroid origin time 12:37:28.2; Lat 54.78 N; Lon 162.62 E; Dep 34.0 Bdy; Half-duration 2.3 sec; Principal axes (scale 10**17 Nm): (T) Val=8.34, Plg=73, Azm=286; (N) Val=0.90, Plg=2, Azm=21; (P) Val=-9.24, Plg=17, Azm=111; Best double couple: Mo=8.8*10**17 Nm; NP1: Strike=204, Dip=28, Slip=93; NP2: Strike=20, Dip=62, Slip=88.
06	12	43	30.6	53.638	N	161.633	E	33	N	5.2	0.9	151	OFF EAST COAST OF KAMCHATKA
06	12	51	00.1*	54.077	N	160.830	E	33	N	4.3	0.6	7	NEAR EAST COAST OF KAMCHATKA
06	12	54	00.1?	17.84	S	179.73	W	600	G	4.4	1.2	14	FIJI ISLANDS REGION
06	12	57	33.8*	53.812	N	161.665	E	33	N	4.2	0.9	17	OFF EAST COAST OF KAMCHATKA
06	13	01	45.5?	54.42	N	160.28	E	33	N	4.2	0.9	6	NEAR EAST COAST OF KAMCHATKA
06	13	03	47.9	54.278	N	161.777	E	33	N	4.4	0.9	22	NEAR EAST COAST OF KAMCHATKA
06	13	16	09.8*	53.742	N	161.728	E	33	N	4.5	1.1	23	OFF EAST COAST OF KAMCHATKA
06	13	17	53.5*	55.049	N	161.961	E	33	N	4.7	0.7	11	NEAR EAST COAST OF KAMCHATKA
06	13	18	21.7*	54.383	N	162.022	E	33	N	4.5	1.2	16	NEAR EAST COAST OF KAMCHATKA
06	13	20	00.0	54.081	N	162.025	E	33	N	4.9	1.0	56	NEAR EAST COAST OF KAMCHATKA
06	13	30	55.2*	54.046	N	161.897	E	33	N	4.0	1.1	13	NEAR EAST COAST OF KAMCHATKA

06	13	35	59.7	45.346	N	0.316	W	5	G			0.6	9	FRANCE. ML 2.5 (LDG).
06	13	36	10.0?	55.13	N	162.02	E	33	N			0.4	5	NEAR EAST COAST OF KAMCHATKA
06	13	45	53.7	57.405	N	146.169	W	10	G			0.6	23	GULF OF ALASKA. ML 3.2 (AEIC).
06	13	49	29.8*	53.827	N	162.524	E	33	N	3.9		1.4	13	OFF EAST COAST OF KAMCHATKA
06	13	52	39.7*	53.545	N	162.278	E	33	N			1.0	7	OFF EAST COAST OF KAMCHATKA
06	13	56	46.1	53.530	N	161.626	E	33	N	4.7		1.0	50	OFF EAST COAST OF KAMCHATKA
06	14	17	16.4*	53.972	N	162.113	E	33	N	4.4		1.4	8	OFF EAST COAST OF KAMCHATKA
06	14	24	02.8*	53.699	N	162.043	E	33	N	4.4		0.7	10	OFF EAST COAST OF KAMCHATKA
06	14	27	06.5	53.873	N	161.742	E	33	N	4.4		1.1	34	OFF EAST COAST OF KAMCHATKA
06	14	33	17.6*	54.324	N	160.702	E	33	N			0.9	8	NEAR EAST COAST OF KAMCHATKA
06	14	39	09.1*	35.060	N	86.721	E	33	N	3.8		1.0	13	XIZANG
06	15	19	06.3*	53.776	N	162.065	E	33	N			0.9	8	OFF EAST COAST OF KAMCHATKA
06	16	26	37.8*	54.343	N	161.344	E	33	N			0.8	7	NEAR EAST COAST OF KAMCHATKA
06	16	58	45.0?	17.26	S	69.95	W	150	G	4.5		1.0	10	PERU-BOLIVIA BORDER REGION
06	16	58	56.4	54.969	N	162.133	E	33	N	4.4		0.7	20	NEAR EAST COAST OF KAMCHATKA
06	17	03	31.3	44.091	N	7.087	E	10	G			0.2	9	NORTHERN ITALY. ML 2.1 (GEN).
06	17	05	44.0*	54.118	N	161.742	E	33	N	4.5		1.1	21	NEAR EAST COAST OF KAMCHATKA
06	17	26	54.7	54.063	N	161.337	E	33	N	4.2		0.6	20	NEAR EAST COAST OF KAMCHATKA
06	17	27	56.1	54.930	N	162.726	E	33	N	4.7		0.9	45	NEAR EAST COAST OF KAMCHATKA
06	17	37	24.2	53.980	N	161.920	E	33	N	5.3	4.6	0.8	194	OFF EAST COAST OF KAMCHATKA
06	17	42	39.6	54.119	N	161.879	E	33	N	4.7		0.8	41	NEAR EAST COAST OF KAMCHATKA
06	17	50	20.1%	18.745	N	67.339	W	80	G			0.2	10	MONA PASSAGE. MD 3.5 (MPR).
06	18	00	58.4	53.719	N	161.615	E	33	N	4.3		1.0	25	OFF EAST COAST OF KAMCHATKA
06	18	02	12.4	54.182	N	161.747	E	33	N	4.4		0.6	17	NEAR EAST COAST OF KAMCHATKA
06	18	10	10.1	54.915	N	162.686	E	33	N	4.6		0.9	47	NEAR EAST COAST OF KAMCHATKA
06	18	18	32.3*	54.304	N	162.018	E	33	N	4.2		0.9	17	NEAR EAST COAST OF KAMCHATKA
06	18	30	45.2	54.034	N	161.530	E	33	N	4.4		0.8	19	NEAR EAST COAST OF KAMCHATKA
06	18	44	56.0?	52.22	N	162.51	E	33	N	4.3		1.3	10	OFF EAST COAST OF KAMCHATKA
06	18	53	13.2	53.669	N	161.475	E	33	N	4.7		1.3	55	OFF EAST COAST OF KAMCHATKA
06	18	55	29.0*	53.753	N	161.512	E	33	N	4.5		0.9	11	OFF EAST COAST OF KAMCHATKA
06	19	02	15.0*	53.846	N	161.443	E	33	N			0.4	7	OFF EAST COAST OF KAMCHATKA
06	19	10	05.2?	14.20	N	92.20	W	33	N	4.6		1.1	25	NEAR COAST OF CHIAPAS, MEXICO
06	19	47	38.7	54.177	N	160.883	E	33	N	5.5	4.7	0.9	277	NEAR EAST COAST OF KAMCHATKA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:47:45.1; Lat 53.84 N; Lon 161.20 E; Dep 63.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.11, Plg=73, Azm=310; (N) Val=-0.10, Plg=1, Azm=43; (P) Val=-8.01, Plg=17, Azm=134; Best double couple: Mo=8.1*10**16 Nm; NP1: Strike=225, Dip=28, Slip=92; NP2: Strike=43, Dip=62, Slip=89.
06	20	06	03.4	53.927	N	161.519	E	33	N	4.4		1.0	29	OFF EAST COAST OF KAMCHATKA
06	20	32	58.8	43.526	N	0.625	W	10	G			1.0	54	PYRENEES. ML 3.4 (LDG). Felt (III) in the Lacq Oilfield area, France.
06	20	36	40.3	54.420	N	162.483	E	33	N	4.3		1.0	21	NEAR EAST COAST OF KAMCHATKA
06	20	59	47.9*	45.218	N	150.519	E	33	N	4.4		1.1	23	KURIL ISLANDS
06	21	02	33.3	0.684	N	125.165	E	80	D	4.7		1.1	19	NORTHERN MOLUCCA SEA
06	21	03	37.2	53.961	N	161.727	E	33	N	4.6		0.8	39	OFF EAST COAST OF KAMCHATKA
06	21	04	48.4&	60.123	N	152.872	W	110		3.6			99	SOUTHERN ALASKA. <AEIC>.
06	21	06	42.8	6.225	S	130.119	E	142		5.3		1.0	88	BANDA SEA
06	21	14	43.2*	53.621	N	161.674	E	33	N	4.4		1.3	13	OFF EAST COAST OF KAMCHATKA
06	21	21	14.1	54.478	N	160.912	E	33	N	4.3		1.0	23	NEAR EAST COAST OF KAMCHATKA
06	21	32	08.5	53.862	N	161.489	E	33	N	4.4		1.0	36	OFF EAST COAST OF KAMCHATKA
06	21	41	59.8	54.961	N	162.540	E	33	N	4.4		0.9	37	NEAR EAST COAST OF KAMCHATKA
06	21	55	29.1*	27.734	N	142.834	E	33	N	4.3		1.3	25	BONIN ISLANDS REGION
06	21	57	42.5	54.426	N	162.465	E	33	N	4.4		0.9	21	NEAR EAST COAST OF KAMCHATKA
06	23	02	44.5*	35.504	N	140.073	E	33	N	4.5		1.1	22	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) in northwestern Chiba and southern Ibaraki Prefectures. Also felt (III JMA) in the Tokyo area.
06	23	08	27.7*	37.161	N	32.672	W	33	N	4.6		0.8	12	AZORES ISLANDS REGION
06	23	10	21.9%	54.299	N	161.688	E	33	N			1.0	8	NEAR EAST COAST OF KAMCHATKA
06	23	12	29.8?	54.64	N	162.43	E	33	N			1.2	7	NEAR EAST COAST OF KAMCHATKA
06	23	18	34.5?	24.79	S	179.37	E	600	G	4.3		0.8	12	SOUTH OF FIJI ISLANDS
06	23	33	33.6	37.363	N	20.844	E	33	N	4.1		0.9	27	IONIAN SEA
07	00	14	09.4?	9.86	N	78.71	W	15	G			0.5	5	PANAMA. MD 3.1 (UPA).
07	00	17	01.6*	53.979	N	161.763	E	33	N	4.2		0.7	11	OFF EAST COAST OF KAMCHATKA
07	00	37	35.4	54.692	N	161.655	E	33	N	4.6		1.0	37	NEAR EAST COAST OF KAMCHATKA
07	00	43	21.2?	53.96	N	161.50	E	33	N	4.2		1.2	7	OFF EAST COAST OF KAMCHATKA
07	00	55	54.4*	54.174	N	161.573	E	33	N	4.2		0.5	13	NEAR EAST COAST OF KAMCHATKA
07	00	58	36.9*	54.819	N	161.340	E	33	N	4.0		1.0	13	NEAR EAST COAST OF KAMCHATKA
07	01	10	32.0*	53.992	N	161.574	E	33	N	4.2		0.6	12	OFF EAST COAST OF KAMCHATKA
07	01	20	04.8?	53.97	N	161.61	E	33	N	4.3		1.1	7	OFF EAST COAST OF KAMCHATKA
07	01	48	13.9	53.878	N	161.550	E	33	N	4.6		1.0	39	OFF EAST COAST OF KAMCHATKA
07	02	00	02.4	54.394	N	162.285	E	33	N	4.6		1.1	30	NEAR EAST COAST OF KAMCHATKA
07	02	13	17.9&	57.839	N	153.244	W	48		3.9			111	KODIAK ISLAND REGION. <AEIC>. ML 4.0 (AEIC), 4.3 (PMR).
07	02	13	41.8?	54.08	N	161.90	E	33	N	4.4		1.3	14	NEAR EAST COAST OF KAMCHATKA
07	02	32	21.5*	54.840	N	162.630	E	33	N	4.2		1.3	12	NEAR EAST COAST OF KAMCHATKA
07	03	21	37.5?	53.51	N	161.52	E	33	N			1.2	6	OFF EAST COAST OF KAMCHATKA
07	03	24	05.1*	37.531	S	74.943	W	33	N	3.5		0.9	14	OFF COAST OF CENTRAL CHILE
07	03	37	58.2*	8.368	N	126.521	E	100	G	4.6		1.1	28	MINDANAO, PHILIPPINE ISLANDS
07	03	50	40.4	37.696	N	141.587	E	87	D	5.3		0.9	223	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.4 (HRV). Felt (IV JMA) in northern Miyagi Prefecture; (III JMA) in eastern Fukushima, western Iwate, southern Miyagi, northern Tochigi and eastern Yamagata Prefectures; (II JMA) in Ibaraki and southern Tochigi Prefectures. Centroid, Moment Tensor (HRV): Centroid origin time 03:50:42.2; Lat 37.69 N; Lon 141.79 E; Dep 83.7; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.08, Plg=14, Azm=282; (N) Val=0.21, Plg=1, Azm=192; (P) Val=-1.29, Plg=76, Azm=97; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=14, Dip=31, Slip=-88; NP2: Strike=191, Dip=59, Slip=-91.
07	03	56	20.0	53.410	N	161.543	E	33	N	4.6		1.1	34	OFF EAST COAST OF KAMCHATKA
07	04	14	00.8?	54.38	N	161.30	E	33	N			0.9	6	NEAR EAST COAST OF KAMCHATKA

07	04	22	07.3*	16.350	S	73.496	W	85	D	4.1		1.2	17	NEAR COAST OF PERU
07	05	03	07.8	53.850	N	161.960	E	33	N	5.0	4.5	1.1	155	OFF EAST COAST OF KAMCHATKA
07	05	40	54.2	54.411	N	162.345	E	33	N	4.5		1.1	30	NEAR EAST COAST OF KAMCHATKA
07	05	53	24.9*	5.943	S	103.812	E	33	N	4.6		1.4	28	SOUTHERN SUMATERA, INDONESIA
07	05	54	30.7	53.910	N	161.569	E	33	N	4.6		1.0	47	OFF EAST COAST OF KAMCHATKA
07	06	02	11.8	46.014	N	8.043	E	5	G			1.1	39	SWITZERLAND. ML 2.4 (STR), 2.3 (LDG).
07	06	04	59.5*	54.267	N	161.898	E	33	N			1.1	10	NEAR EAST COAST OF KAMCHATKA
07	06	08	59.0	53.985	N	161.861	E	33	N	4.4		0.8	22	OFF EAST COAST OF KAMCHATKA
07	06	34	24.4	42.984	N	12.851	E	10	G			1.4	78	CENTRAL ITALY. ML 3.4 (LDG), 3.2 (ROM). Felt (V) in the epicentral area.
07	06	39	53.3?	55.35	N	162.98	E	33	N	4.1		1.3	12	NEAR EAST COAST OF KAMCHATKA
07	06	44	18.6	42.054	N	23.403	E	10	G			0.7	8	BULGARIA
07	06	55	41.8	53.932	N	161.645	E	33	N	4.4		0.8	25	OFF EAST COAST OF KAMCHATKA
07	06	58	38.6	21.714	S	176.686	W	100	G	4.6		1.0	38	FIJI ISLANDS REGION
07	07	02	41.9*	54.594	N	162.326	E	33	N	4.2		1.0	9	NEAR EAST COAST OF KAMCHATKA
07	07	15	28.4&	31.734	N	115.863	W	6	G				25	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.9 (PAS). MD 3.7 (ECX).
07	07	16	04.0*	14.173	N	56.442	E	33	N	4.7		1.2	39	ARABIAN SEA
07	07	38	37.0?	54.26	N	160.92	E	33	N			1.5	10	NEAR EAST COAST OF KAMCHATKA
07	07	45	35.7?	41.36	N	28.06	E	10	G			1.2	5	TURKEY. MD 2.7 (ISK).
07	07	52	48.7	48.754	S	120.754	E	24	D	4.3		1.0	25	SOUTH OF AUSTRALIA
07	07	57	38.7	54.131	N	161.882	E	33	N	4.7		0.9	48	NEAR EAST COAST OF KAMCHATKA
07	08	10	57.1	54.147	N	162.904	E	33	N	5.3	5.1	1.1	205	NEAR EAST COAST OF KAMCHATKA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:11:01.6; Lat 54.21 N; Lon 163.05 E; Dep 15.3; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.42, Plg=66, Azm=310; (N) Val=0.27, Plg=2, Azm=214; (P) Val=-1.69, Plg=24, Azm=123; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=208, Dip=21, Slip=83; NP2: Strike=35, Dip=69, Slip=93.
07	08	22	02.1&	36.852	N	121.580	W	5					10	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM).
07	08	31	49.2*	54.335	N	162.551	E	33	N	4.5		1.5	17	NEAR EAST COAST OF KAMCHATKA
07	08	32	36.0	54.554	N	162.332	E	33	N	4.5		0.8	26	NEAR EAST COAST OF KAMCHATKA
07	08	41	06.3	54.899	N	162.154	E	33	N	4.3		0.9	31	NEAR EAST COAST OF KAMCHATKA
07	08	56	08.8*	54.286	N	161.741	E	33	N	4.3		1.0	8	NEAR EAST COAST OF KAMCHATKA
07	09	43	03.8&	33.363	S	71.719	W	30	G			0.6	13	NEAR COAST OF CENTRAL CHILE
07	10	09	55.9*	13.214	S	166.312	E	33	N	4.5		1.4	25	VANUATU ISLANDS
07	10	17	46.9	43.131	N	146.763	E	68	D	4.7		0.8	79	KURIL ISLANDS. Felt (II) at Yuzhno-Kurilsk, Kunashir. Also felt (I JMA) in eastern Hokkaido.
07	10	38	36.8&	37.624	N	118.852	W	5					15	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.0 (GM), 3.2 (GS).
07	11	14	04.0*	30.077	S	178.034	W	200	G	4.6		1.0	32	KERMADEC ISLANDS, NEW ZEALAND
07	11	40	54.0*	54.460	N	162.490	E	33	N	4.0		1.4	13	NEAR EAST COAST OF KAMCHATKA
07	11	46	00.5	29.028	S	67.191	W	139	D	4.6		1.3	53	LA RIOJA PROVINCE, ARGENTINA
07	11	50	04.8*	17.676	S	14.083	W	10	G	4.8		0.6	12	SOUTHERN MID-ATLANTIC RIDGE
07	12	20	46.2	54.749	N	161.368	E	33	N	4.6		0.9	39	NEAR EAST COAST OF KAMCHATKA
07	12	50	46.0?	18.53	N	66.21	W	50	G			0.4	8	PUERTO RICO REGION. MD 2.8 (MPR).
07	12	51	56.7*	7.809	S	158.275	E	33	N			0.9	6	SOLOMON ISLANDS
07	13	14	46.4	53.957	N	161.610	E	33	N	5.1		0.8	205	OFF EAST COAST OF KAMCHATKA
07	13	15	31.3	19.113	N	145.489	E	141	*	5.1		1.0	124	MARIANA ISLANDS
07	13	21	50.9&	53.932	N	165.504	W	75					10	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>.
07	13	33	08.0?	55.01	N	162.41	E	33	N			1.5	5	NEAR EAST COAST OF KAMCHATKA
07	13	39	27.2	30.317	N	131.472	E	33	N	4.8		1.2	56	KYUSHU, JAPAN. Felt (I JMA) in southeastern Kagoshima Prefecture.
07	13	53	15.8*	22.933	S	169.237	E	33	N	4.2		1.2	20	LOYALTY ISLANDS REGION
07	13	56	31.2	53.934	N	161.713	E	33	N	5.0	4.6	0.9	178	OFF EAST COAST OF KAMCHATKA
07	14	09	07.9*	28.419	S	71.473	W	33	N	4.0		1.3	11	NEAR COAST OF CENTRAL CHILE
07	14	12	29.1*	53.776	N	162.187	E	33	N	4.3		1.0	19	OFF EAST COAST OF KAMCHATKA
07	14	13	49.9*	17.760	S	178.427	W	600	G	4.5		1.0	15	FIJI ISLANDS REGION
07	14	23	16.3*	46.203	N	15.986	E	10	G			0.7	7	NORTHWESTERN BALKAN REGION
07	14	35	47.1?	54.03	N	161.36	E	33	N			1.3	7	NEAR EAST COAST OF KAMCHATKA
07	14	45	23.7	53.810	N	161.446	E	33	N	4.9	4.2	1.0	113	OFF EAST COAST OF KAMCHATKA
07	15	18	39.0?	6.85	N	78.98	W	10	G			0.7	6	SOUTH OF PANAMA. MD 3.7 (UPA).
07	15	22	08.0	53.895	N	161.579	E	33	N	4.5		1.1	37	OFF EAST COAST OF KAMCHATKA
07	15	30	13.3*	54.117	N	161.461	E	33	N	4.0		0.7	7	NEAR EAST COAST OF KAMCHATKA
07	15	39	03.0?	40.71	N	30.02	E	10	G			0.2	5	TURKEY. MD 2.7 (ISK).
07	15	57	50.4&	40.676	N	29.724	E	10	G			0.2	5	TURKEY. MD 2.8 (ISK).
07	16	04	11.9	45.514	N	6.821	E	5	G			0.3	9	FRANCE. ML 1.8 (LDG).
07	16	12	53.3*	54.383	N	161.113	E	33	N			1.0	9	NEAR EAST COAST OF KAMCHATKA
07	16	15	05.4&	54.451	N	160.924	W	15					13	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
07	16	23	20.5*	13.203	S	166.525	E	33	N	4.8	4.2	1.1	34	VANUATU ISLANDS
07	16	27	11.9	54.499	N	162.376	E	33	N	5.1	4.6	0.8	137	NEAR EAST COAST OF KAMCHATKA
07	16	29	12.0	38.074	N	118.810	W	5	G			1.2	7	CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (GS).
07	16	31	06.1	13.120	S	166.403	E	33	N	4.6		1.0	56	VANUATU ISLANDS
07	16	48	41.6	53.667	N	159.146	E	106	D	4.5		0.8	32	NEAR EAST COAST OF KAMCHATKA
07	16	56	35.8*	3.108	N	128.138	E	108	*	4.4		0.7	14	NORTH OF HALMAHERA, INDONESIA
07	17	55	42.5*	54.961	N	162.756	E	33	N	4.4		1.0	15	NEAR EAST COAST OF KAMCHATKA
07	17	56	18.7	54.658	N	162.882	E	33	N	5.6	6.0	1.1	368	NEAR EAST COAST OF KAMCHATKA. Mw 6.5 (OBN), 6.2 (GS), 6.2 (HRV). Me 6.0 (GS). Broadband Source Parameters (GS): Dep 10: NP1: Strike=205, Dip=12, Slip=90; NP2: Strike=25, Dip=78, Slip=90; Radiated energy 2.0*10**13 Nm. Moment Tensor (GS): Dep 5; Principal axes (scale 10**18 Nm): (T) Val=2.52, Plg=49, Azm=302; (N) Val=-0.37, Plg=7, Azm=40; (P) Val=-2.16, Plg=40, Azm=135; Best double couple: Mo=2.3*10**18 Nm; NP1: Strike=276, Dip=8, Slip=147; NP2: Strike=39, Dip=86, Slip=83. Centroid, Moment Tensor (HRV): Centroid origin time 17:56:22.1; Lat 54.50 N; Lon 163.08 E; Dep 15.0 Fdy; Half-duration 2.9 sec; Principal axes (scale 10**18 Nm): (T) Val=2.12, Plg=60, Azm=308; (N) Val=0.00, Plg=2, Azm=214; (P) Val=-2.13, Plg=30, Azm=123; Best double couple: Mo=2.1*10**18 Nm; NP1: Strike=205, Dip=15, Slip=81; NP2: Strike=35, Dip=75, Slip=93.

													Scalar Moment (OBN): Mo=6.0*10**18 Nm.
07	18	14	26.5	54.875	N	162.883	E	33	N	4.9	0.9	93	NEAR EAST COAST OF KAMCHATKA
07	18	28	41.5&	59.493	N	152.305	W	60				31	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
07	18	30	06.9?	20.60	S	178.89	W	500	G	4.1	0.9	14	FIJI ISLANDS REGION
07	18	34	17.3%	32.641	S	70.218	W	110	G		0.4	12	CHILE-ARGENTINA BORDER REGION
07	18	40	20.4	41.974	N	23.104	E	10	G		0.7	8	GREECE-BULGARIA BORDER REGION
07	19	41	19.0?	22.65	S	66.04	W	255	*		0.9	8	JUJUY PROVINCE, ARGENTINA
07	19	57	55.0	53.838	N	161.556	E	33	N	4.5	0.9	46	OFF EAST COAST OF KAMCHATKA
07	20	00	22.9	37.151	N	20.989	E	33	N	4.0	1.3	28	IONIAN SEA
07	20	21	43.9	53.913	N	162.268	E	33	N	4.4	0.9	36	OFF EAST COAST OF KAMCHATKA
07	20	30	22.5%	32.603	S	71.679	W	10	G		0.6	12	NEAR COAST OF CENTRAL CHILE
07	21	23	29.1	55.287	N	162.320	E	33	N	3.7	1.0	22	NEAR EAST COAST OF KAMCHATKA
07	21	41	07.8*	54.721	N	162.158	E	33	N	4.6	0.8	17	NEAR EAST COAST OF KAMCHATKA
07	21	48	13.9	53.783	N	161.432	E	33	N	4.5	0.9	22	OFF EAST COAST OF KAMCHATKA
07	22	20	36.3*	57.640	N	156.427	W	33	N	3.4	1.0	11	ALASKA PENINSULA. ML 3.6 (PMR).
07	23	05	50.8	53.693	N	161.909	E	33	N	5.3 5.4	1.0	262	OFF EAST COAST OF KAMCHATKA. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:05:57.0; Lat 53.69 N; Lon 162.16 E; Dep 32.1; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.80, Plg=71, Azm=265; (N) Val=0.55, Plg=8, Azm=19; (P) Val=-3.35, Plg=17, Azm=112; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=214, Dip=29, Slip=107; NP2: Strike=15, Dip=63, Slip=81.
07	23	13	44.9	54.365	N	162.420	E	33	N	4.6	1.0	36	NEAR EAST COAST OF KAMCHATKA
07	23	20	57.2%	43.869	N	8.266	E	10	G		0.3	10	CORSICA. ML 2.1 (GEN).
07	23	26	50.8*	35.413	N	87.932	E	33	N	4.5	1.3	31	XIZANG
07	23	35	11.3?	54.51	N	160.61	E	33	N	4.0	1.1	7	NEAR EAST COAST OF KAMCHATKA
07	23	36	17.0?	45.55	N	26.50	E	138	?		0.3	6	ROMANIA
07	23	38	19.8?	54.20	N	161.58	E	33	N		1.6	7	NEAR EAST COAST OF KAMCHATKA
07	23	41	10.4*	54.060	N	161.619	E	33	N	4.3	0.9	18	NEAR EAST COAST OF KAMCHATKA
07	23	49	53.4*	54.328	N	161.608	E	33	N		1.1	8	NEAR EAST COAST OF KAMCHATKA
08	01	00	39.2*	19.227	N	145.403	E	33	N		0.6	9	MARIANA ISLANDS
08	01	40	25.1*	31.785	N	140.160	E	33	N	3.7	1.1	7	SOUTH OF HONSHU, JAPAN
08	01	47	39.9	14.400	S	167.293	E	33	N	5.3 5.2	1.0	130	VANUATU ISLANDS. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:47:42.9; Lat 14.49 S; Lon 167.30 E; Dep 25.8; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=4.49, Plg=2, Azm=330; (N) Val=-0.35, Plg=79, Azm=22?; (P) Val=-4.14, Plg=11, Azm=61; Best double couple: Mo=4.3*10**17 Nm; NP1: Strike=105, Dip=81, Slip=-6; NP2: Strike=196, Dip=84, Slip=-171.
08	02	03	55.8	27.475	N	87.175	E	33	N	5.0 4.6	0.9	91	NEPAL
08	02	30	03.4*	54.939	N	162.587	E	33	N	3.9	0.6	15	NEAR EAST COAST OF KAMCHATKA
08	02	41	31.9?	54.10	N	162.04	E	33	N	4.1	1.3	9	NEAR EAST COAST OF KAMCHATKA
08	02	54	15.6&	37.473	N	118.798	W	4				6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
08	03	07	01.9	53.727	N	161.417	E	33	N	4.7 4.8	0.9	64	OFF EAST COAST OF KAMCHATKA
08	03	16	21.9	43.061	N	0.694	W	10	G		0.3	8	PYRENEES. ML 2.1 (LDG), 1.6 (STR).
08	03	31	44.0	51.035	N	15.775	E	5	G		0.8	7	POLAND. ML 2.9 (VIE).
08	03	37	35.0?	54.36	N	161.66	E	33	N	4.1	1.2	8	NEAR EAST COAST OF KAMCHATKA
08	04	41	29.9*	22.092	S	70.147	W	100	G	4.5	1.1	17	NEAR COAST OF NORTHERN CHILE
08	04	47	23.4%	17.918	N	66.884	W	10	G		0.4	7	PUERTO RICO REGION. MD 2.7 (MPR).
08	05	06	35.2%	43.851	N	8.285	E	10	G		0.3	10	CORSICA. ML 2.0 (GEN).
08	05	17	45.5?	27.26	N	140.03	E	355	?	3.5	0.9	8	BONIN ISLANDS REGION
08	05	29	55.4	55.046	N	163.225	E	33	N	3.8	0.6	15	OFF EAST COAST OF KAMCHATKA
08	05	40	26.3?	44.47	N	147.72	E	33	N	4.8	1.1	10	KURIL ISLANDS
08	05	51	54.2*	53.896	N	161.960	E	33	N	4.2	1.2	15	OFF EAST COAST OF KAMCHATKA
08	06	25	42.8?	16.11	S	179.96	W	33	N	4.2	1.3	11	FIJI ISLANDS REGION
08	06	26	19.4	3.459	N	31.509	W	10	G	4.5 4.2	0.6	23	CENTRAL MID-ATLANTIC RIDGE
08	06	37	57.8*	27.482	N	87.164	E	33	N		1.0	10	NEPAL
08	06	39	26.0%	11.733	N	43.159	E	10	G		0.3	7	ETHIOPIA. ML 4.1 (ARO).
08	07	00	33.8*	45.654	N	27.118	E	24			1.3	14	ROMANIA
08	08	23	34.7	5.660	S	148.622	E	164			1.0	21	NEW BRITAIN REGION, P.N.G.
08	08	30	59.2	45.986	N	15.372	E	10	G		0.4	9	NORTHWESTERN BALKAN REGION. ML 2.5 (VIE), 1.9 (LJU). Felt (IV) at Sevnica, Slovenia.
08	08	32	00.4*	23.768	S	179.797	W	500	G	4.6	0.9	33	SOUTH OF FIJI ISLANDS
08	08	48	59.2	51.672	N	16.277	E	5	G		0.6	18	POLAND. ML 3.7 (GRF), 3.5 (VIE).
08	09	09	58.2	55.016	N	163.353	E	33	N	4.3	0.8	29	OFF EAST COAST OF KAMCHATKA
08	09	21	02.5	53.924	N	162.055	E	33	N	4.5	0.9	25	OFF EAST COAST OF KAMCHATKA
08	09	46	43.0%	44.532	N	6.852	E	10	G		0.5	9	FRANCE. ML 2.0 (GEN).
08	10	48	30.3	54.885	N	161.564	E	33	N	4.9	0.8	92	NEAR EAST COAST OF KAMCHATKA
08	10	52	59.1&	60.612	N	152.365	W	105				93	SOUTHERN ALASKA. <AEIC>.
08	12	07	10.9&	37.629	N	118.893	W	6				5	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
08	12	14	57.6?	12.09	N	90.25	W	33	N	4.5	1.4	9	OFF COAST OF CENTRAL AMERICA
08	12	16	48.9*	5.013	S	152.054	E	149	*	4.2	1.0	10	NEW BRITAIN REGION, P.N.G.
08	13	16	32.5*	5.439	S	154.194	E	150	G	4.5	1.1	14	SOLOMON ISLANDS
08	13	22	55.9	58.805	S	25.032	W	33	N	4.4	0.9	22	SOUTH SANDWICH ISLANDS REGION
08	13	42	24.1	13.987	N	144.844	E	115		4.5	1.2	57	MARIANA ISLANDS. Felt (IV) at Agana and Yigo; (III) at Dededo and Nimitz Hill, Guam. Also felt at Andersen AFB, Guam.
08	13	45	18.7*	54.984	N	162.033	E	33	N	4.3	0.6	15	NEAR EAST COAST OF KAMCHATKA
08	14	16	10.6*	28.186	N	130.611	E	33	N	4.6	1.1	8	RYUKYU ISLANDS
08	14	30	28.9	53.921	N	161.414	E	33	N	4.5	0.8	26	OFF EAST COAST OF KAMCHATKA
08	14	37	59.7	53.878	N	161.328	E	33	N	5.0	0.8	157	OFF EAST COAST OF KAMCHATKA
08	15	32	53.2	37.298	N	20.897	E	33	N		0.9	20	IONIAN SEA
08	15	45	22.7*	54.004	N	162.012	E	33	N	4.2	1.1	17	NEAR EAST COAST OF KAMCHATKA
08	15	47	19.3	21.975	S	176.782	W	163	D	4.9	0.8	50	FIJI ISLANDS REGION
08	15	52	57.3*	25.743	N	129.286	E	33	N	3.7	0.9	7	SOUTHEAST OF RYUKYU ISLANDS
08	16	30	42.9	53.959	N	161.863	E	33	N	4.3	1.1	23	OFF EAST COAST OF KAMCHATKA
08	16	38	56.0	43.156	N	12.730	E	10	G		1.0	28	CENTRAL ITALY. ML 2.9 (LDG).
08	17	38	34.5%	30.726	S	117.202	E	10	G		0.7	6	WESTERN AUSTRALIA
08	17	38	39.6*	51.923	N	170.295	W	33	N	3.6	1.1	13	FOX ISLANDS, ALEUTIAN ISLANDS
08	17	42	57.3&	37.246	N	118.319	W	11				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (GS)

08	17	54	12.6	47.979	N	6.426	E	20	G		0.9	13	FRANCE. ML 2.5 (LDG), 2.2 (STR).
08	18	05	13.8	55.300	N	162.957	E	33	N	4.7	0.9	46	NEAR EAST COAST OF KAMCHATKA
08	18	17	38.6	53.900	N	161.846	E	33	N	5.1 4.6	0.9	150	OFF EAST COAST OF KAMCHATKA. Mw 4.9 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:17:42.2; Lat 53.19 N; Lon 161.27 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=2.59, Plg=84, Azm=245; (N) Val=0.68, Plg=5, Azm=43; (P) Val=-3.27, Plg=2, Azm=133; Best double couple: Mo=2.9*10**16 Nm; NP1: Strike=229, Dip=43, Slip=98; NP2: Strike=38, Dip=47, Slip=83.
08	18	22	01.2&	45.209	N	6.054	E	5	G		1.2	6	FRANCE. ML 2.1 (LDG).
08	18	47	21.6	5.649	S	148.315	E	155	D	5.4	0.9	109	NEW BRITAIN REGION, P.N.G. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:47:25.1; Lat 5.80 S; Lon 148.12 E; Dep 137.1; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.28, Plg=31, Azm=194; (N) Val=-0.17, Plg=12, Azm=97; (P) Val=-1.12, Plg=56, Azm=348; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=318, Dip=18, Slip=-47; NP2: Strike=94, Dip=77, Slip=-102.
08	18	48	11.0	51.673	N	16.249	E	5	G		0.8	11	POLAND. MG 2.9 (WAR).
08	19	19	54.6?	17.41	S	177.47	W	500	G	4.3	1.1	8	FIJI ISLANDS REGION
08	19	33	52.6*	54.322	N	162.454	E	33	N	4.5	1.3	26	NEAR EAST COAST OF KAMCHATKA
08	19	38	46.2	37.347	N	20.819	E	33	N		0.8	10	IONIAN SEA
08	20	02	10.2*	55.024	N	162.590	E	33	N		1.1	10	NEAR EAST COAST OF KAMCHATKA
08	20	09	05.2*	37.181	N	20.904	E	33	N		1.0	11	IONIAN SEA
08	20	45	11.8*	31.154	S	68.604	W	102	?		1.0	15	SAN JUAN PROVINCE, ARGENTINA
08	20	56	26.8*	54.191	N	159.610	E	200	G	4.2	1.4	16	NEAR EAST COAST OF KAMCHATKA
08	21	06	13.8	53.853	N	161.778	E	33	N	5.4 5.2	0.8	319	OFF EAST COAST OF KAMCHATKA. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:06:18.8; Lat 53.68 N; Lon 162.13 E; Dep 20.0 Bdy; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.27, Plg=77, Azm=309; (N) Val=0.18, Plg=0, Azm=217; (P) Val=-2.45, Plg=13, Azm=127; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=217, Dip=32, Slip=89; NP2: Strike=37, Dip=58, Slip=90.
08	22	07	58.2*	54.993	N	162.703	E	33	N	4.0	0.4	12	NEAR EAST COAST OF KAMCHATKA
08	22	19	55.7	53.841	N	161.771	E	33	N	5.5 5.0	0.8	313	OFF EAST COAST OF KAMCHATKA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:20:01.2; Lat 53.60 N; Lon 162.15 E; Dep 18.5; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.36, Plg=87, Azm=341; (N) Val=-0.12, Plg=2, Azm=212; (P) Val=-1.24, Plg=3, Azm=122; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=210, Dip=42, Slip=87; NP2: Strike=34, Dip=48, Slip=93.
08	22	26	24.1?	54.92	N	162.74	E	33	N	4.3	0.9	8	NEAR EAST COAST OF KAMCHATKA
08	22	40	46.5	53.870	N	161.819	E	33	N	4.7	1.0	47	OFF EAST COAST OF KAMCHATKA
08	22	46	48.1?	31.36	S	69.60	W	150	G		0.8	13	SAN JUAN PROVINCE, ARGENTINA. MD 3.3 (SAN).
08	23	06	27.1*	53.985	N	161.613	E	33	N	4.4	0.9	18	OFF EAST COAST OF KAMCHATKA
08	23	10	23.6*	54.276	N	161.757	E	33	N	4.2	1.1	17	NEAR EAST COAST OF KAMCHATKA
08	23	32	17.6*	53.906	N	161.512	E	33	N	4.5	1.1	14	OFF EAST COAST OF KAMCHATKA
08	23	35	16.8*	53.892	N	161.710	E	33	N	4.4	1.4	18	OFF EAST COAST OF KAMCHATKA
08	23	41	25.5	53.885	N	161.699	E	33	N	4.8	0.9	78	OFF EAST COAST OF KAMCHATKA
08	23	52	23.4?	24.75	S	179.95	E	500	G	4.3	0.8	11	SOUTH OF FIJI ISLANDS
09	00	07	06.1	53.875	N	161.582	E	33	N	4.8 4.4	0.8	141	OFF EAST COAST OF KAMCHATKA
09	00	37	26.4*	32.337	N	49.336	E	33	N	4.5	1.4	22	WESTERN IRAN
09	00	46	55.4*	54.369	N	161.940	E	33	N	4.4	1.1	10	NEAR EAST COAST OF KAMCHATKA
09	00	58	05.4*	46.261	N	13.242	E	10	G		1.4	6	AUSTRIA. ML 1.8 (VIE).
09	01	10	12.6&	32.337	N	115.264	W	6	G	3.9		48	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 4.0 (PAS). MD 4.5 (ECX). Felt at the Cerro Prieto Geothermal Plant and in the area south of Mexicali, Baja California, Mexico.
09	01	27	09.7*	0.385	N	121.919	E	114	*	4.7	1.1	29	MINAHASSA PENINSULA, SULAWESI
09	01	36	36.2	46.296	N	13.199	E	5	G		1.2	51	AUSTRIA. ML 3.5 (GRF), 3.4 (STR), 3.2 (VIE), 3.1 (FUR), 3.1 (LDG). MD 3.1 (TRI).
09	02	07	07.5	0.275	N	16.569	W	10	G	3.9	0.8	20	NORTH OF ASCENSION ISLAND
09	02	17	41.7*	10.759	S	163.666	E	110	?	5.0	1.1	27	SOLOMON ISLANDS
09	02	19	46.4	53.537	N	161.857	E	33	N	5.0 4.5	1.0	139	OFF EAST COAST OF KAMCHATKA
09	02	31	24.7	53.779	N	161.575	E	33	N	4.1	0.9	17	OFF EAST COAST OF KAMCHATKA
09	02	32	29.9&	59.877	N	152.433	W	73				46	SOUTHERN ALASKA. <AEIC>.
09	02	41	47.3?	32.92	S	72.43	W	33	N		0.5	11	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
09	03	13	45.9*	28.696	N	128.656	E	142	*	3.5	0.7	9	RYUKYU ISLANDS
09	03	16	11.8	36.971	N	42.819	E	33	N	4.7 4.1	0.9	136	IRAQ
09	03	27	23.6	43.048	N	12.813	E	10	G		0.9	25	CENTRAL ITALY. ML 3.4 (VIE), 3.0 (LDG). MD 3.4 (ROM). Felt (IV) in the epicentral area.
09	03	55	25.0?	28.35	S	177.66	W	200	G	4.0	1.3	15	KERMADEC ISLANDS REGION
09	06	49	37.5*	37.540	N	141.624	E	33	N		0.5	7	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in southern Miyagi Prefecture.
09	07	44	18.7*	51.487	N	175.872	W	33	N	3.4	1.5	9	ANDREANOF ISLANDS, ALEUTIAN IS.
09	07	55	38.9*	53.925	N	161.646	E	33	N	4.4	1.0	15	OFF EAST COAST OF KAMCHATKA
09	08	10	21.3*	53.836	N	162.419	E	33	N		0.6	9	OFF EAST COAST OF KAMCHATKA
09	08	23	02.0*	54.035	N	164.128	E	33	N	4.2	0.6	14	KOMANDORSKY ISLANDS REGION
09	09	03	15.4&	44.505	N	7.434	E	20	G		0.2	9	NORTHERN ITALY. ML 2.1 (GEN).
09	09	07	54.5	28.277	N	55.650	E	33	N	4.6	0.7	48	SOUTHERN IRAN
09	09	38	42.5&	11.772	N	43.190	E	10	G		0.3	7	ETHIOPIA. ML 3.8 (ARO).
09	10	04	42.5?	38.17	S	176.27	E	200	G		0.2	13	NORTH ISLAND, NEW ZEALAND
09	10	14	19.8	1.565	S	145.107	E	33	N	4.9	0.9	49	ADMIRALTY ISLANDS REGION, P.N.G.
09	10	38	13.7*	53.781	N	161.673	E	33	N	4.3	0.9	20	OFF EAST COAST OF KAMCHATKA
09	11	03	17.0	54.692	N	162.354	E	33	N	4.6	1.1	33	NEAR EAST COAST OF KAMCHATKA
09	12	10	21.0	19.542	S	174.480	W	33	N	4.8 4.9	0.8	53	TONGA ISLANDS
09	12	16	24.8	44.414	N	148.229	E	33	N	4.4	1.2	29	KURIL ISLANDS
09	12	38	08.5*	53.759	N	161.649	E	33	N		0.9	10	OFF EAST COAST OF KAMCHATKA
09	12	41	02.1*	54.621	N	162.742	E	33	N	4.2	0.8	18	NEAR EAST COAST OF KAMCHATKA
09	12	52	04.8	18.896	S	169.006	E	152	D	4.5	0.9	29	VANUATU ISLANDS
09	13	02	47.5	53.971	N	161.904	E	33	N	5.4 4.8	0.9	269	OFF EAST COAST OF KAMCHATKA. Mw 5.3 (HRV).

													Centroid, Moment Tensor (HRV): Centroid origin time 13:02:52.8; Lat 53.83 N; Lon 162.17 E; Dep 17.2; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.25, Plg=76, Azm=305; (N) Val=-1.46, Plg=3, Azm=201; (P) Val=-7.79, Plg=13, Azm=111; Best double couple: Mo=8.5*10**16 Nm; NP1: Strike=196, Dip=32, Slip=84; NP2: Strike=23, Dip=58, Slip=94.
09	13	32	37.9*	54.465	N	160.933	E	33	N	4.2		1.1	12 NEAR EAST COAST OF KAMCHATKA
09	14	19	47.7	17.250	S	172.610	W	33	N	4.9	4.8	1.1	74 TONGA ISLANDS REGION
09	14	23	45.2	20.236	S	68.365	W	133	D	5.7		1.0	188 CHILE-BOLIVIA BORDER REGION. Mw 5.7 (GS), 5.7 (HRV). Felt (V) at Guatacondo, (IV) at Tocopilla and (III) at Arica, Iquique and Quillagua, Chile. Also felt (II) at Arequipa, Peru.
													Moment Tensor (GS): Dep 147; Principal axes (scale 10**17 Nm): (T) Val=4.48, Plg=22, Azm=102; (N) Val=-0.77, Plg=61, Azm=324; (P) Val=-3.71, Plg=17, Azm=199; Best double couple: Mo=4.1*10**17 Nm; NP1: Strike=241, Dip=62, Slip=3; NP2: Strike=149, Dip=87, Slip=152.
													Centroid, Moment Tensor (HRV): Centroid origin time 14:23:52.5; Lat 20.14 S; Lon 68.70 W; Dep 151.7; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.93, Plg=31, Azm=106; (N) Val=-0.27, Plg=46, Azm=337; (P) Val=-3.66, Plg=27, Azm=214; Best double couple: Mo=3.8*10**17 Nm; NP1: Strike=252, Dip=46, Slip=4; NP2: Strike=160, Dip=87, Slip=136.
09	14	30	57.1&	36.322	N	120.526	W	12					28 CENTRAL CALIFORNIA. <GM-P>. ML 2.9 (GM), 3.0 (BRK), 3.2 (GS), 3.3 (PAS).
09	15	23	26.4?	51.37	N	16.10	E	5	G			1.0	6 POLAND. ML 3.5 (VIE).
09	15	35	45.9?	47.22	N	6.35	E	10	G			0.3	5 FRANCE. ML 1.8 (STR).
09	15	44	33.2&	47.371	N	7.230	E	10	G			0.8	8 SWITZERLAND. ML 1.6 (STR).
09	15	57	51.7?	30.47	S	71.76	W	80	G			1.0	14 NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
09	16	24	41.4?	19.27	S	177.79	W	550	G	3.7		1.2	9 FIJI ISLANDS REGION
09	17	37	58.4	31.856	S	68.798	W	10	G			1.2	18 SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).
09	17	49	47.1?	26.13	N	128.55	E	33	N	3.9		1.4	10 RYUKYU ISLANDS
09	18	04	14.6*	54.016	N	161.891	E	33	N	4.0		1.2	15 NEAR EAST COAST OF KAMCHATKA
09	19	03	04.2?	0.37	N	98.58	E	33	N	3.5		1.0	8 NORTHERN SUMATERA, INDONESIA
09	19	09	56.5&	32.603	S	70.884	W	70	G			0.6	11 CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
09	19	15	11.7*	54.900	N	162.921	E	33	N	4.3		0.8	13 NEAR EAST COAST OF KAMCHATKA
09	19	21	19.3*	36.506	N	141.153	E	40	D	4.1		1.4	22 NEAR EAST COAST OF HONSHU, JAPAN
09	19	26	53.3	53.863	N	161.527	E	33	N	4.7		0.9	74 OFF EAST COAST OF KAMCHATKA
09	19	27	52.1*	1.113	N	119.476	E	33	N	4.3		0.8	14 CELEBES SEA
09	20	03	58.9&	62.675	N	149.604	W	74					53 CENTRAL ALASKA. <AEIC>.
09	21	04	07.0?	31.26	S	71.67	W	10	G			0.3	14 NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
09	21	14	51.9*	55.308	N	162.458	E	33	N	4.1		0.6	13 NEAR EAST COAST OF KAMCHATKA
09	21	19	41.7&	59.030	N	154.070	W	111					51 SOUTHERN ALASKA. <AEIC>.
09	21	25	36.8*	13.043	N	143.410	E	222	*	4.1		0.9	17 SOUTH OF MARIANA ISLANDS
09	21	39	34.5*	24.574	N	121.615	E	150	G	3.3		0.6	8 TAIWAN
09	22	21	11.9*	53.862	N	161.719	E	33	N	4.2		0.8	13 OFF EAST COAST OF KAMCHATKA
09	22	36	05.6	46.430	N	14.402	E	10	G			0.7	9 NORTHWESTERN BALKAN REGION. ML 2.4 (VIE).
09	22	49	16.4*	37.120	N	20.878	E	33	N			0.9	12 IONIAN SEA
09	23	06	57.3*	50.287	N	8.151	E	10	G			0.5	5 GERMANY. ML 2.5 (LDG).
09	23	42	05.9*	14.505	N	90.959	W	33	N	4.2		0.9	15 GUATEMALA
09	23	48	37.8	0.078	S	124.794	E	63	*	5.2		1.2	62 SOUTHERN MOLUCCA SEA
09	23	51	35.7?	52.37	N	170.24	W	33	N	3.4		1.4	8 FOX ISLANDS, ALEUTIAN ISLANDS
09	23	58	05.8&	61.430	N	150.955	W	62					72 SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 2.9 (PMR).
10	00	01	07.7&	39.287	N	29.446	E	10	G			0.8	5 TURKEY. MD 2.8 (ISK).
10	01	46	08.3	54.088	N	161.620	E	33	N	4.6		1.0	61 NEAR EAST COAST OF KAMCHATKA
10	02	08	28.9*	30.904	S	71.691	W	25	G			0.5	12 NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
10	02	30	51.1&	54.495	N	162.490	W	43					19 ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
10	02	31	26.8?	10.93	N	62.29	W	80	G			0.1	6 NEAR COAST OF VENEZUELA
10	02	40	48.8?	54.44	N	160.62	E	33	N			0.8	8 NEAR EAST COAST OF KAMCHATKA
10	03	00	59.1?	26.92	S	177.66	W	200	G	3.5		1.0	8 SOUTH OF FIJI ISLANDS
10	03	19	55.7	53.553	N	161.820	E	33	N	4.6	4.3	1.0	43 OFF EAST COAST OF KAMCHATKA
10	03	28	58.2*	38.999	N	144.444	E	33	N	4.3		1.4	7 OFF EAST COAST OF HONSHU, JAPAN
10	04	01	31.0*	53.706	N	161.605	E	33	N	4.5		1.0	18 OFF EAST COAST OF KAMCHATKA
10	04	25	21.7?	38.46	S	175.80	E	200	G			0.2	10 NORTH ISLAND, NEW ZEALAND
10	04	45	20.7	43.047	N	0.227	W	5	G			0.4	9 PYRENEES. ML 2.3 (LDG), 1.9 (STR).
10	05	12	02.4&	37.632	N	118.891	W	6					23 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.7 (GM), 3.7 (BRK).
10	05	14	36.9&	36.379	N	120.715	W	11					3 CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.9 (PAS).
10	05	14	40.9	32.548	S	70.332	W	102		4.1		1.2	28 CHILE-ARGENTINA BORDER REGION. MD 4.4 (SAN).
10	05	19	07.3*	53.673	N	161.571	E	33	N	4.5		1.1	16 OFF EAST COAST OF KAMCHATKA
10	05	20	40.6*	45.014	N	150.102	E	81	?	4.2		1.1	19 KURIL ISLANDS
10	05	45	58.4*	53.693	N	161.850	E	33	N	4.2		0.8	12 OFF EAST COAST OF KAMCHATKA
10	06	02	06.3*	53.665	N	161.391	E	33	N	3.7		1.2	11 OFF EAST COAST OF KAMCHATKA
10	06	27	22.9*	53.544	N	161.707	E	33	N			0.6	8 OFF EAST COAST OF KAMCHATKA
10	06	36	47.2	15.428	N	104.215	W	33	N	4.7	4.2	1.3	52 OFF COAST OF MICHOACAN, MEXICO
10	06	47	54.7*	54.121	N	161.940	E	33	N	4.4		1.0	12 NEAR EAST COAST OF KAMCHATKA
10	06	55	02.4&	34.704	S	70.640	W	5	G			0.5	13 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
10	07	46	22.1*	16.044	S	73.715	W	52	D	4.3		1.1	16 NEAR COAST OF PERU. Felt (II) at Arequipa.
10	08	08	17.6	54.854	N	162.949	E	33	N	5.2	4.9	0.9	202 NEAR EAST COAST OF KAMCHATKA. Mw 5.4 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 08:08:23.7; Lat 54.83 N; Lon 163.10 E; Dep 20.1; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.42, Plg=66, Azm=307; (N) Val=0.15, Plg=1, Azm=39; (P) Val=-1.57, Plg=24, Azm=129; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=221, Dip=21, Slip=92; NP2: Strike=38, Dip=69, Slip=89.
10	08	15	55.2	49.135	N	153.559	E	33	N	4.8		1.1	41 KURIL ISLANDS
10	08	19	25.0*	55.072	N	162.634	E	33	N	4.3		1.2	24 NEAR EAST COAST OF KAMCHATKA
10	08	32	32.2&	54.830	N	161.495	W	56					13 ALASKA PENINSULA. <AEIC>. ML 2.9 (AEIC).
10	08	35	57.1&	53.762	N	163.803	W	25					19 UNIMAK ISLAND REGION. <AEIC>. ML 3.6 (AEIC).
10	08	36	37.1?	8.36	N	83.00	W	5	G			0.9	8 COSTA RICA. MD 4.3 (UPA).

10	08	39	52.0?	55.24	N	163.15	E	33	N			1.2	6	OFF EAST COAST OF KAMCHATKA
10	08	48	34.3&	54.893	N	162.679	E	33	N			1.0	8	NEAR EAST COAST OF KAMCHATKA
10	08	55	50.0&	17.834	N	66.734	W	10	G			0.5	6	PUERTO RICO REGION. MD 2.5 (MPR).
10	09	56	06.9*	54.277	N	162.835	E	33	N	3.9		0.6	8	NEAR EAST COAST OF KAMCHATKA
10	10	52	43.1?	39.26	N	27.63	E	10	G			0.5	4	TURKEY. MD 2.8 (ISK).
10	11	04	54.6*	48.827	N	147.942	E	33	N	4.3		1.0	19	SEA OF OKHOTSK
10	11	12	44.3	51.308	N	179.228	W	33	N	4.8	5.0	1.1	66	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
10	11	13	24.4	54.948	N	163.190	E	33	N	4.7	4.2	1.1	38	OFF EAST COAST OF KAMCHATKA
10	11	45	29.4*	53.864	N	161.862	E	33	N	4.0		1.3	15	OFF EAST COAST OF KAMCHATKA
10	12	01	39.7*	39.561	N	26.158	E	10	G			1.3	5	TURKEY
10	12	17	44.3?	54.01	N	161.66	E	33	N	3.1		0.8	7	NEAR EAST COAST OF KAMCHATKA
10	12	25	01.1*	5.416	S	152.759	E	33	N	4.2		1.1	11	NEW BRITAIN REGION, P.N.G.
10	12	27	36.1?	9.05	N	79.65	W	10	G			0.0	4	PANAMA. MD 2.9 (UPA).
10	12	58	07.8?	54.83	N	162.36	E	33	N			1.3	6	NEAR EAST COAST OF KAMCHATKA
10	12	59	40.6?	54.84	N	168.44	E	33	N	3.4		0.5	5	KOMANDORSKY ISLANDS REGION
10	13	25	18.5&	32.475	N	115.386	W	6	G				19	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.0 (PAS). MD 2.9 (ECX). Felt in the Mexicali area, Baja California.
10	13	46	00.6	53.653	N	161.489	E	33	N	4.7		0.9	50	OFF EAST COAST OF KAMCHATKA
10	13	55	00.4?	54.51	N	161.68	E	33	N	3.0		0.6	6	NEAR EAST COAST OF KAMCHATKA
10	14	50	11.1*	11.835	S	166.298	E	33	N	4.1		1.4	18	SANTA CRUZ ISLANDS
10	15	01	41.1*	54.436	N	161.940	E	33	N	3.6		1.1	16	NEAR EAST COAST OF KAMCHATKA
10	15	23	50.2*	11.792	S	165.818	E	33	N	4.0		0.8	7	SANTA CRUZ ISLANDS
10	15	45	48.3	30.990	S	71.527	W	40	G			0.8	19	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
10	15	47	59.4*	54.590	N	161.652	E	33	N			0.2	7	NEAR EAST COAST OF KAMCHATKA
10	15	48	01.7	36.313	N	22.137	E	33	N	3.5		1.2	25	SOUTHERN GREECE
10	16	42	48.4*	55.094	N	161.984	E	33	N	4.0		0.9	12	NEAR EAST COAST OF KAMCHATKA
10	16	56	28.1?	10.64	N	138.66	E	33	N			1.4	6	WESTERN CAROLINE ISLANDS
10	17	36	56.7*	46.496	N	153.186	E	33	N	4.1		1.1	11	KURIL ISLANDS
10	17	57	03.7*	31.507	S	69.146	W	100	G			0.9	15	SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (SAN).
10	18	43	01.1*	7.120	S	148.490	E	33	N	3.8		1.3	13	EASTERN NEW GUINEA REG., P.N.G.
10	18	58	57.9&	27.972	N	143.414	E	33	N			1.0	6	BONIN ISLANDS REGION
10	19	06	03.6&	18.016	N	66.818	W	10	G			0.3	7	PUERTO RICO REGION. MD 2.7 (MPR).
10	19	46	18.0*	55.019	N	162.871	E	33	N			1.0	11	NEAR EAST COAST OF KAMCHATKA
10	19	57	51.7?	30.64	S	71.87	W	33	N			0.7	13	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
10	20	12	13.9	4.676	N	76.070	W	103		4.5		0.9	70	COLOMBIA. MD 4.6 (UPA). Felt in Risaralda and Valle del Cauca Departments.
10	20	15	33.8?	2.65	N	83.25	W	33	N	4.1		1.4	9	OFF COAST OF CENTRAL AMERICA
10	21	08	18.2*	43.531	N	89.751	E	16	D	4.5		1.5	18	NORTHERN XINJIANG, CHINA
10	21	12	33.3	43.672	N	147.210	E	59	D	4.9		0.9	74	KURIL ISLANDS
10	21	36	56.7	43.787	N	7.594	E	10	G			1.0	48	NEAR SOUTH COAST OF FRANCE. ML 3.3 (STR), 3.3 (GEN), 3.2 (LDG).
10	22	04	18.5?	45.68	N	14.12	E	10	G			0.3	4	NORTHWESTERN BALKAN REGION. ML 1.0 (LJU).
10	23	21	05.1?	54.62	N	164.19	E	33	N			1.3	8	KOMANDORSKY ISLANDS REGION
11	00	07	15.6	51.710	N	16.154	E	5	G	3.5		0.8	28	POLAND. ML 4.1 (GRF), 3.7 (VIE).
11	00	21	44.7?	53.61	N	161.46	E	33	N	3.9		0.7	7	OFF EAST COAST OF KAMCHATKA
11	00	29	44.0	53.947	N	162.130	E	33	N	4.6		1.0	45	OFF EAST COAST OF KAMCHATKA
11	01	15	37.4?	16.78	S	178.06	W	350	G	3.4		0.9	10	FIJI ISLANDS REGION
11	01	20	01.7*	54.056	N	161.658	E	33	N	4.2		0.6	15	NEAR EAST COAST OF KAMCHATKA
11	02	03	18.8*	3.068	S	127.974	E	33	N	3.9		1.4	13	SERAM, INDONESIA
11	02	29	51.6	45.610	N	0.721	W	5	G			0.9	17	FRANCE. ML 3.1 (STR), 2.9 (LDG).
11	03	08	52.1	54.915	N	162.180	E	33	N	4.7	4.2	0.8	68	NEAR EAST COAST OF KAMCHATKA
11	03	10	15.2*	17.905	N	98.851	W	33	N			0.5	11	GUERRERO, MEXICO. MD 3.9 (UNM).
11	03	30	08.9?	55.02	N	162.63	E	33	N	4.0		1.4	10	NEAR EAST COAST OF KAMCHATKA
11	03	49	57.0*	51.968	N	170.274	W	33	N	3.8		1.2	17	FOX ISLANDS, ALEUTIAN ISLANDS
11	04	00	32.7	55.078	N	162.545	E	33	N	4.9	5.0	0.9	105	NEAR EAST COAST OF KAMCHATKA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:00:39.1; Lat 54.95 N; Lon 163.50 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.71, Plg=74, Azm=352; (N) Val=-0.36, Plg=11, Azm=218; (P) Val=-6.34, Plg=11, Azm=125; Best double couple: Mo=6.5*10**16 Nm; NP1: Strike=201, Dip=35, Slip=70; NP2: Strike=45, Dip=57, Slip=103.
11	04	21	50.2*	35.620	N	70.455	E	134	?	3.3		0.6	9	HINDU KUSH REGION, AFGHANISTAN
11	04	28	30.9&	10.676	N	61.827	W	40	G			0.4	9	TRINIDAD. MD 3.6 (TRN). Felt (III) at Santa Cruz.
11	04	34	11.2*	10.660	N	61.795	W	33	N			0.6	7	TRINIDAD. MD 3.2 (TRN).
11	05	01	40.8	27.286	N	139.943	E	352	*	4.6		1.0	89	BONIN ISLANDS REGION
11	05	05	51.5&	37.641	N	118.939	W	8					15	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 2.9 (GM), 3.2 (BRK), 3.1 (GS).
11	05	29	45.2*	26.907	S	26.630	E	5	G	4.9		1.3	32	REPUBLIC OF SOUTH AFRICA
11	05	30	34.3	33.392	N	69.855	E	33	N	4.3		1.1	24	AFGHANISTAN
11	05	43	21.2?	14.67	S	167.20	E	100	G	4.4		1.2	8	VANUATU ISLANDS
11	05	45	14.2&	37.640	N	118.939	W	8					13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK), 3.0 (GS).
11	06	11	47.9?	38.59	S	177.56	E	33	N			1.4	15	NORTH ISLAND, NEW ZEALAND
11	06	16	46.8?	32.25	S	70.57	W	100	G			0.3	13	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
11	06	40	58.3	47.620	N	13.747	E	10	G			1.2	9	AUSTRIA. ML 2.8 (VIE), 2.8 (GRF).
11	07	02	47.6*	0.857	S	24.454	W	10	G	4.2		1.4	13	CENTRAL MID-ATLANTIC RIDGE
11	07	17	40.4&	37.654	N	118.952	W	2					19	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.2 (BRK), 3.2 (GS).
11	07	17	44.2*	54.265	N	160.818	E	33	N	4.2		0.4	8	NEAR EAST COAST OF KAMCHATKA
11	07	24	20.3*	5.405	S	152.124	E	58	*	4.5		1.2	20	NEW BRITAIN REGION, P.N.G.
11	07	56	28.8	3.929	N	75.787	W	178	D	6.0		0.9	513	COLOMBIA. Mw 6.4 (GS), 6.4 (HRV). Me 6.1 (GS). Minor damage at Cali. Felt at Bogota, Ibague, Manizales, Medellin and Pereira. Broadband Source Parameters (GS): Dep 178; NP1: Strike=250, Dip=54, Slip=45; NP2: Strike=130, Dip=55, Slip=134; Radiated energy 3.0*10**13 Nm. Moment Tensor (GS): Dep 183; Principal axes (scale 10**18 Nm): (T) Val=3.75, Plg=53, Azm=96; (N) Val=0.01, Plg=35, Azm=295; (P) Val=-3.76, Plg=9, Azm=198; Best double couple: Mo=3.8*10**18 Nm; NP1: Strike=254, Dip=47, Slip=38; NP2: Strike=136, Dip=63, Slip=130. Centroid, Moment Tensor (HRV): Centroid origin time

07:56:35.8; Lat 4.11 N; Lon 75.84 W; Dep 189.5; Half-duration 3.7 sec; Principal axes (scale 10**18 Nm): (T) Val=3.92, Plg=46, Azm=99; (N) Val=0.19, Plg=43, Azm=295; (P) Val=-4.11, Plg=8, Azm=197; Best double couple: Mo=4.0*10**18 Nm; NP1: Strike=249, Dip=53, Slip=31; NP2: Strike=140, Dip=66, Slip=139.

11	08	25	07.8	11.199	S	165.272	E	33	N	4.7		0.8	36	SANTA CRUZ ISLANDS
11	09	12	15.7?	11.22	S	165.24	E	33	N			0.8	5	SANTA CRUZ ISLANDS
11	09	28	53.9&	63.118	N	150.981	W	122					48	CENTRAL ALASKA. <AEIC>.
11	09	30	40.1?	36.22	N	28.72	E	10	G			0.3	4	DODECANESE ISLANDS. MD 3.2 (ISK).
11	09	50	36.2	2.294	N	127.061	E	69	D	5.2		1.0	64	NORTHERN MOLUCCA SEA. Mw 5.6 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 09:50:37.9; Lat 2.55 N; Lon 127.07 E; Dep 68.5; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=2.84, Plg=11, Azm=110; (N) Val=0.14, Plg=24, Azm=205; (P) Val=-2.98, Plg=64, Azm=358; Best double couple: Mo=2.9*10**17 Nm; NP1: Strike=174, Dip=40, Slip=-129; NP2: Strike=40, Dip=60, Slip=-62.

11	10	07	14.5?	40.67	N	48.65	E	33	N	3.9		1.0	10	EASTERN CAUCASUS
11	11	34	57.0*	37.101	N	98.480	W	5	G			0.6	6	KANSAS. mbLg 2.7 (GS).
11	12	56	50.0%	44.942	N	8.532	E	20	G			0.9	12	NORTHERN ITALY. ML 2.6 (GEN).
11	13	14	26.3*	0.739	S	121.536	E	33	N	3.9		1.2	13	MINAHASSA PENINSULA, SULAWESI
11	13	32	02.8?	10.91	N	62.15	W	70	G			0.2	5	NEAR COAST OF VENEZUELA. MD 3.1 (TRN).
11	14	01	14.1	0.833	S	21.647	W	10	G	4.8	4.5	0.9	52	CENTRAL MID-ATLANTIC RIDGE
11	14	15	11.3?	32.24	S	70.99	W	75	G			0.3	14	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
11	14	27	26.7*	37.517	S	70.496	W	150	G	3.6		1.2	17	SOUTHERN ARGENTINA. MD 3.8 (SAN).
11	14	55	15.5	54.878	N	162.844	E	33	N	5.1	4.5	1.0	137	NEAR EAST COAST OF KAMCHATKA. Mw 5.1 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 14:55:20.9; Lat 54.76 N; Lon 163.91 E; Dep 39.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.59, Plg=63, Azm=43; (N) Val=0.77, Plg=26, Azm=210; (P) Val=-5.36, Plg=5, Azm=303; Best double couple: Mo=5.0*10**16 Nm; NP1: Strike=58, Dip=46, Slip=128; NP2: Strike=190, Dip=56, Slip=58.

11	15	14	03.7?	17.64	N	62.89	W	120	G			0.3	5	LEEWARD ISLANDS. MD 3.2 (TRN).
11	15	52	20.9?	53.90	N	161.55	E	33	N			1.2	9	OFF EAST COAST OF KAMCHATKA
11	15	58	40.5	8.461	S	119.444	E	33	N	3.8		0.6	11	FLORES REGION, INDONESIA
11	16	01	33.6%	33.097	S	71.561	W	15	G			0.5	7	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
11	16	14	46.8*	24.361	N	142.658	E	150	G	3.4		0.9	10	VOLCANO ISLANDS REGION
11	16	37	03.7*	12.523	N	86.983	W	300	G	4.5		0.8	20	NICARAGUA
11	17	37	20.3*	42.891	N	12.765	E	10	G			1.5	11	CENTRAL ITALY. ML 3.3 (VIE).
11	17	44	11.3?	34.27	S	72.23	W	40	G			0.3	13	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
11	18	10	00.5&	37.635	N	118.946	W	7					21	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.6 (GM). ML 3.6 (BRK), 3.7 (GS).
11	18	14	49.8*	3.281	N	125.518	E	267	D	3.9		1.1	11	TALAUD ISLANDS, INDONESIA
11	18	24	34.3&	37.635	N	118.945	W	7					5	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
11	18	29	45.0	18.344	N	100.946	W	75		4.0		1.2	38	GUERRERO, MEXICO. MD 4.3 (UNM).
11	18	47	09.7	6.198	S	101.011	E	33	N	5.0	4.6	1.1	75	SOUTHWEST OF SUMATERA, INDONESIA. Mw 5.1 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 18:47:10.9; Lat 6.28 S; Lon 100.66 E; Dep 21.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.70, Plg=4, Azm=46; (N) Val=-2.79, Plg=0, Azm=136; (P) Val=-2.91, Plg=86, Azm=226; Best double couple: Mo=4.3*10**16 Nm; NP1: Strike=136, Dip=41, Slip=-90; NP2: Strike=316, Dip=49, Slip=-90.

11	19	25	52.1	43.155	N	12.705	E	10	G			1.3	45	CENTRAL ITALY. ML 3.5 (VIE), 3.3 (LDG).
11	20	24	39.5*	8.460	S	104.975	E	33	N	4.4		1.1	11	SOUTHWEST OF SUMATERA, INDONESIA
11	21	18	18.3?	32.16	S	70.18	W	120	G			0.4	13	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
11	22	10	34.3&	58.984	N	154.341	W	111					35	ALASKA PENINSULA. <AEIC>.
11	22	50	01.8&	62.926	N	151.105	W	135		3.0			75	CENTRAL ALASKA. <AEIC>.
11	23	09	55.1	50.503	N	18.948	E	5	G			0.8	6	POLAND. MG 2.6 (WAR).
11	23	43	44.6*	44.458	N	148.225	E	52	D	4.3		1.2	26	KURIL ISLANDS
12	00	15	55.7&	62.847	N	148.198	W	51					25	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.9 (PMR).
12	00	45	07.6*	22.234	S	175.032	W	33	N	5.0	5.1	1.4	39	TONGA ISLANDS REGION. Mw 5.3 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 00:45:08.7; Lat 21.99 S; Lon 174.12 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.16, Plg=54, Azm=313; (N) Val=-0.23, Plg=16, Azm=199; (P) Val=-0.93, Plg=31, Azm=99; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=148, Dip=20, Slip=37; NP2: Strike=22, Dip=78, Slip=107.

12	00	46	16.0&	62.226	N	149.741	W	45					21	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
12	01	24	40.2?	54.71	N	161.90	E	33	N	4.3		1.0	9	NEAR EAST COAST OF KAMCHATKA
12	01	28	19.7	45.994	N	13.938	E	5	G			0.8	15	NORTHERN ITALY. ML 2.8 (VIE), 2.5 (LJU).
12	03	23	07.2?	17.00	S	174.58	W	33	N	4.5		0.6	9	TONGA ISLANDS
12	05	29	51.1?	55.19	N	162.94	E	33	N	3.6		0.9	6	NEAR EAST COAST OF KAMCHATKA
12	05	48	43.0?	55.40	N	162.97	E	33	N			1.3	5	NEAR EAST COAST OF KAMCHATKA
12	05	51	03.6%	38.325	N	29.130	E	10	G			0.3	5	TURKEY. MD 3.1 (ISK).
12	06	17	16.0*	37.409	N	20.888	E	33	N	3.3		0.8	14	IONIAN SEA
12	07	15	06.8	13.704	S	76.371	W	38	D	5.4	4.9	1.0	138	NEAR COAST OF PERU. Mw 5.4 (HRV). Felt strongly at Pisco. Also felt at Chincha Alta, Ica and Lima.

Centroid, Moment Tensor (HRV): Centroid origin time 07:15:09.9; Lat 13.58 S; Lon 76.86 W; Dep 43.6; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.30, Plg=56, Azm=117; (N) Val=-0.04, Plg=28, Azm=336; (P) Val=-1.26, Plg=18, Azm=236; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=291, Dip=36, Slip=39; NP2: Strike=168, Dip=68, Slip=120.

12	07	38	03.2?	32.16	S	69.90	W	130	G			0.4	13	MENDOZA PROVINCE, ARGENTINA. MD 3.2 (SAN).
12	08	01	18.9*	39.733	N	41.838	E	10	G	4.1	3.6	1.1	14	TURKEY. MD 4.0 (ISK).
12	08	32	43.4*	54.304	N	160.904	E	33	N	3.1		1.0	10	NEAR EAST COAST OF KAMCHATKA
12	08	42	20.2	33.466	N	87.306	W	1	G	3.9		0.6	21	ALABAMA. mbLg 4.0 (GS). Felt in the epicentral area. Probable mine collapse.

12	09	05	15.9*	51.264	N	130.342	W	10	G	3.2		1.1	29	QUEEN CHARLOTTE ISLANDS REGION
12	09	46	52.8	38.896	N	25.868	E	20		4.1		1.0	39	AEGEAN SEA. MD 3.9 (ISK).
12	09	49	41.2	38.884	N	25.874	E	11				0.8	15	AEGEAN SEA. MD 3.8 (ISK).
12	09	58	06.5&	59.722	N	153.068	W	99					14	SOUTHERN ALASKA. <AEIC>.
12	10	11	08.5*	54.745	N	161.372	E	38	D	4.2		0.8	16	NEAR EAST COAST OF KAMCHATKA
12	10	27	45.5&	61.247	N	150.855	W	61		4.0			106	SOUTHERN ALASKA. <AEIC>. ML 4.0 (AEIC), 4.3 (PMR). Felt at Anchorage and Eagle River.
12	11	23	11.3	54.480	N	162.328	E	33	N	4.6		0.8	39	NEAR EAST COAST OF KAMCHATKA
12	11	36	14.8&	36.116	N	120.301	W	10					4	CENTRAL CALIFORNIA. <GM-P>. ML 3.4 (GM), 3.4 (BRK) 3.4 (PAS).
12	12	02	00.7?	56.50	S	142.01	W	10	G	4.6		0.7	12	PACIFIC-ANTARCTIC RIDGE
12	12	23	52.6?	29.42	N	68.38	E	33	N	4.0		1.0	8	PAKISTAN
12	12	46	38.0*	37.727	N	142.477	E	33	N			1.1	7	OFF EAST COAST OF HONSHU, JAPAN
12	14	37	02.5&	38.651	N	119.557	W	5					2	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
12	14	55	04.5?	8.76	N	78.34	W	33	N			0.6	6	PANAMA. MD 3.6 (UPA).
12	15	01	10.1	24.120	N	143.151	E	33	N	4.6		0.8	27	VOLCANO ISLANDS REGION
12	15	01	58.2	3.661	S	143.135	E	15		4.6		1.1	31	NEAR N COAST OF NEW GUINEA, PNG.
12	15	17	38.9?	1.91	S	138.89	E	33	N	3.6		0.4	6	NEAR NORTH COAST OF IRIAN JAYA
12	15	45	21.2?	15.05	S	74.18	W	100	G			0.6	6	NEAR COAST OF PERU
12	15	58	44.7&	62.821	N	149.486	W	71					16	CENTRAL ALASKA. <AEIC>.
12	16	08	35.4	44.729	N	6.766	E	5	G			0.5	17	FRANCE. ML 2.2 (GEN), 1.9 (LDG), 1.8 (STR).
12	16	13	37.1	44.491	N	7.293	E	5	G			0.4	25	NORTHERN ITALY. ML 2.5 (GEN), 2.3 (LDG), 2.3 (STR).
12	16	24	33.7?	52.61	N	173.48	W	100	G	3.2		1.5	6	ANDREANOF ISLANDS, ALEUTIAN IS.
12	16	42	46.5	26.865	S	26.498	E	5	G	4.7		0.8	27	REPUBLIC OF SOUTH AFRICA
12	17	07	57.7	23.641	S	69.453	W	81	D	5.0		1.3	74	NORTHERN CHILE. Felt (IV) at Mejillones and (III) at Antofagasta, Calama, Taltal and Tocopilla.
12	17	15	35.3	46.249	N	0.823	E	5	G			1.3	11	FRANCE. ML 2.8 (STR), 2.4 (LDG).
12	17	19	06.3*	3.758	S	143.078	E	10	G	3.3		1.0	8	NEAR N COAST OF NEW GUINEA, PNG.
12	17	25	23.2	38.861	N	25.904	E	10	G	4.0		1.2	54	AEGEAN SEA. MD 4.2 (ISK).
12	17	30	51.2*	38.940	N	25.780	E	10	G			0.4	6	AEGEAN SEA
12	17	36	01.3*	6.274	S	146.525	E	78	*	4.0		1.3	9	EASTERN NEW GUINEA REG., P.N.G.
12	18	47	28.8	30.946	S	71.536	W	62	D			1.4	25	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
12	18	50	26.4&	53.086	N	162.230	W	39					18	SOUTH OF ALASKA. <AEIC>. ML 3.1 (AEIC).
12	19	30	35.0&	11.186	N	62.261	W	100	G			0.6	9	WINDWARD ISLANDS. MD 3.7 (TRN).
12	20	29	06.0*	24.012	N	121.963	E	33	N	3.5		1.1	12	TAIWAN
12	21	41	33.1*	54.893	N	162.755	E	33	N	4.2		1.2	17	NEAR EAST COAST OF KAMCHATKA
12	21	47	40.6	45.871	N	14.933	E	10	G			0.3	9	NORTHWESTERN BALKAN REGION. ML 2.4 (VIE). 2.1 (LJU).
12	21	51	36.6	45.872	N	14.942	E	10	G			0.4	13	NORTHWESTERN BALKAN REGION. ML 3.0 (VIE), 2.5 (LJU).
12	21	54	09.2*	0.001	S	123.467	E	148	?	4.5		0.9	26	MINAHASSA PENINSULA, SULAWESI
12	22	17	11.4&	60.121	N	152.785	W	109					18	SOUTHERN ALASKA. <AEIC>.
12	22	18	31.7&	54.767	N	161.122	W	72					12	ALASKA PENINSULA. <AEIC>.
12	22	45	08.4	4.461	S	137.370	E	46	D	4.7		1.5	33	IRIAN JAYA, INDONESIA
12	22	46	16.4*	54.721	N	161.514	E	33	N	4.5		1.0	33	NEAR EAST COAST OF KAMCHATKA
12	22	47	52.3*	30.621	S	177.306	W	33	N	4.9		1.4	23	KERMADEC ISLANDS, NEW ZEALAND
12	23	23	09.6&	59.170	N	148.270	W	0		2.6			19	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
12	23	29	23.2*	51.034	N	152.711	E	346	*	4.4		0.7	49	NORTHWEST OF KURIL ISLANDS
13	00	07	41.3*	36.022	N	137.052	E	281		3.9		0.7	13	EASTERN HONSHU, JAPAN
13	00	14	32.3?	4.68	N	127.75	E	33	N	4.3		1.3	7	TALAUD ISLANDS, INDONESIA
13	00	36	12.4	43.407	N	0.538	W	5	G			1.1	12	PYRENEES. ML 2.8 (LDG), 2.3 (STR).
13	00	47	33.6*	5.770	S	147.627	E	33	N	4.4		1.2	18	EASTERN NEW GUINEA REG., P.N.G.
13	01	21	33.0	8.934	S	115.361	E	33	N	3.9		1.4	11	BALI REGION, INDONESIA
13	01	42	16.1?	18.82	S	169.33	E	300	G	4.1		1.0	13	VANUATU ISLANDS
13	02	39	03.1	42.996	N	0.119	E	5	G			0.9	12	PYRENEES. ML 2.5 (LDG).
13	02	54	07.6	39.762	S	174.578	E	33	N			0.6	20	NORTH ISLAND, NEW ZEALAND. ML 4.3 (WEL). Felt at Marton.
13	02	54	29.2	44.029	N	10.999	E	10	G			1.0	46	NORTHERN ITALY. ML 3.0 (STR), 2.9 (LDG).
13	03	05	35.6?	53.70	N	161.57	E	33	N			0.4	5	OFF EAST COAST OF KAMCHATKA
13	03	13	46.1*	26.323	S	27.424	E	5	G			0.7	7	REPUBLIC OF SOUTH AFRICA
13	03	41	35.6	29.631	N	68.343	E	33	N	4.9	4.3	1.1	105	PAKISTAN. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:41:38.5; Lat 29.10 N; Lon 68.26 E; Dep 36.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.78, Plg=61, Azm=62; (N) Val=-0.51, Plg=22, Azm=284; (P) Val=-4.27, Plg=17, Azm=187; Best double couple: Mo=4.5*10**16 Nm; NP1: Strike=246, Dip=34, Slip=47; NP2: Strike=114, Dip=66, Slip=114.
13	03	51	27.2*	13.948	N	90.894	W	100	G	4.2		1.5	38	NEAR COAST OF GUATEMALA
13	04	15	03.8	6.510	S	128.843	E	200	G	4.8		1.1	39	BANDA SEA
13	04	16	32.1*	37.384	N	20.610	E	33	N	3.9		1.2	12	IONIAN SEA
13	04	30	07.7	38.915	N	13.860	E	412		4.4		1.2	229	SICILY
13	04	39	06.5	18.090	S	178.178	W	582	D	5.3		1.1	122	FIJI ISLANDS REGION
13	04	42	37.2&	40.627	N	121.147	W	8					7	NORTHERN CALIFORNIA. <GM-P>. ML 3.3 (GM), 3.4 (BRK).
13	05	48	47.3	55.233	N	161.952	E	33	N	4.9	4.1	0.9	102	NEAR EAST COAST OF KAMCHATKA
13	05	52	16.9*	55.257	N	161.954	E	33	N	4.4		1.0	28	NEAR EAST COAST OF KAMCHATKA
13	05	57	19.2?	20.18	S	178.44	W	600	G	4.0		1.1	11	FIJI ISLANDS REGION
13	06	13	17.6	17.804	S	178.788	W	600	G	4.7		0.8	48	FIJI ISLANDS REGION
13	06	27	14.7&	47.744	N	2.971	W	5	G			1.4	5	FRANCE. ML 1.9 (LDG).
13	05	45	24.7	39.560	N	142.160	E	33	N	4.7		0.8	69	NEAR EAST COAST OF HONSHU, JAPAN. Felt along the northeast coast of Honshu.
13	07	02	03.6	71.254	N	8.329	W	10	G	5.3	4.9	1.2	232	JAN MAYEN ISLAND REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:02:09.5; Lat 71.26 N; Lon 9.34 W; Dep 15.0 Fix Half-duration 1.6 sec; Principal axes (scale 10**17 Nm) T Val=2.73, Plg=12, Azm=329; (N) Val=1.13, Plg=63, Azm=113; (P) Val=-3.86, Plg=24, Azm=64; Best double couple Mo=3.3*10**17 Nm; NP1: Strike=104, Dip=64, Slip=-3 NP2: Strike=198, Dip=83, Slip=-154.
13	07	04	44.5?	54.29	N	162.40	E	33	N	4.4		1.1	8	NEAR EAST COAST OF KAMCHATKA
13	07	52	42.6	8.505	S	109.780	E	70	*	4.6		1.2	32	JAWA, INDONESIA
13	09	12	59.6&	18.922	N	67.169	W	33	N			0.2	10	MONA PASSAGE. MD 3.9 (MPR).
13	10	05	32.0?	31.77	S	70.05	W	150	G			0.3	13	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
13	10	14	04.4&	40.105	S	176.658	E	100	G			0.2	15	NORTH ISLAND, NEW ZEALAND
13	10	31	38.8	18.149	N	101.532	W	10	G			1.4	16	GUERRERO, MEXICO. MD 4.1 (UNM).
13	11	51	16.1&	37.283	N	122.051	W	5					2	CENTRAL CALIFORNIA. <GM-P>. ML 3.0 (GM) 3.0 (BRK)

13	11	59	28.2	8.193	S	118.716	E	182		4.5	1.0	31	SUMBAWA REGION, INDONESIA
13	12	35	35.4&	66.099	N	148.408	W	31				21	NORTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 3.5 (PMR).
13	12	46	01.6&	39.083	N	27.764	E	10	G		0.6	5	TURKEY. MD 2.8 (ISK).
13	14	35	36.6*	18.368	S	178.255	W	600	G	4.2	0.9	22	FIJI ISLANDS REGION
13	14	50	16.8*	12.250	S	166.676	E	200	G	4.1	1.0	16	SANTA CRUZ ISLANDS
13	14	57	01.7?	18.67	S	178.08	W	600	G	3.6	0.8	9	FIJI ISLANDS REGION
13	15	11	29.3?	10.55	N	126.23	E	33	N	4.3	1.3	8	PHILIPPINE ISLANDS REGION
13	15	22	17.0&	45.514	N	27.046	E	10	G		1.4	5	ROMANIA
13	15	22	57.9	50.274	N	173.717	W	33	N	4.3	0.8	23	ANDREANOF ISLANDS, ALEUTIAN IS.
13	15	50	22.9	53.556	N	161.493	E	33	N	4.7 4.1	1.0	35	OFF EAST COAST OF KAMCHATKA
13	15	51	17.9&	61.772	N	150.517	W	42				32	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
13	16	10	20.0&	63.243	N	150.918	W	7				7	CENTRAL ALASKA. <AEIC>. ML 2.3 (AEIC), 2.8 (PMR).
13	16	11	41.2&	63.206	N	150.818	W	19				30	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
13	17	04	28.9&	46.256	N	84.240	E	33	N		1.0	10	KAZAKHSTAN-XINJIANG BORDER REG.
13	17	41	03.5	23.076	S	69.213	E	10	G	4.8 4.3	0.9	29	MID-INDIAN RIDGE
13	17	59	31.7	51.662	N	16.203	E	5	G		0.7	11	POLAND. ML 3.4 (VIE).
13	18	57	00.3	20.705	S	68.697	W	106	D	4.6	0.8	23	CHILE-BOLIVIA BORDER REGION
13	19	08	52.2	38.332	N	115.742	W	5	G		0.6	12	NEVADA. MD 3.3 (REN).
13	19	22	58.7	41.397	S	87.444	W	10	G	5.7 5.2	1.0	107	WEST CHILE RISE. Mw 5.7 (HRV), 5.6 (GS). Moment Tensor (GS): Dep 23; Principal axes (scale 10**17 Nm): (T) Val=2.85, Plg=1, Azm=138; (N) Val=-0.11, Plg=24, Azm=47; (P) Val=-2.73, Plg=66, Azm=229; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=250, Dip=49, Slip=-57; NP2: Strike=25, Dip=50, Slip=-122. Centroid, Moment Tensor (HRV): Centroid origin time 19:23:01.5; Lat 41.39 S; Lon 87.68 W; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=4.22, Plg=7, Azm=85; (N) Val=0.13, Plg=14, Azm=353; (P) Val=-4.35, Plg=74, Azm=199; Best double couple: Mo=4.3*10**17 Nm; NP1: Strike=191, Dip=40, Slip=-67; NP2: Strike=342, Dip=53, Slip=-108.
13	19	40	21.0*	51.896	N	155.660	E	200	G	3.8	1.2	15	NORTHWEST OF KURIL ISLANDS
13	19	58	56.2	42.983	N	23.752	E	10	G		0.5	8	BULGARIA
13	20	01	54.9*	41.845	N	20.423	E	33	N		1.4	7	ALBANIA
13	20	23	54.0?	17.90	N	68.06	W	70	G		0.2	6	MONA PASSAGE. MD 3.2 (MPR).
13	20	34	21.1*	34.775	N	137.180	E	33	N	4.4	1.1	13	NEAR S. COAST OF HONSHU, JAPAN
13	20	41	59.3	37.526	N	20.662	E	47		4.4	1.3	112	IONIAN SEA
13	21	53	49.9	2.440	S	139.917	E	33	N	4.3	1.2	26	NEAR NORTH COAST OF IRIAN JAYA
13	22	10	45.5&	60.136	N	153.105	W	131				41	SOUTHERN ALASKA. <AEIC>.
13	22	40	57.0	53.600	N	161.276	E	33	N	4.7 4.1	0.9	66	OFF EAST COAST OF KAMCHATKA
13	22	47	22.4*	23.375	N	143.335	E	33	N	4.4 4.1	1.2	30	VOLCANO ISLANDS REGION
13	22	51	48.4*	39.014	N	142.869	E	33	N		0.6	8	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in eastern Iwate Prefecture.
14	00	34	54.2*	11.972	N	87.887	W	33	N	4.5	1.3	23	NEAR COAST OF NICARAGUA
14	00	41	10.7*	19.663	S	174.460	W	33	N	4.4	1.1	20	TONGA ISLANDS
14	01	33	42.1*	43.399	N	10.771	E	10	G		0.6	12	CENTRAL ITALY. ML 2.4 (LDG).
14	01	52	37.0&	58.887	N	154.457	W	120				29	ALASKA PENINSULA. <AEIC>.
14	02	06	27.4*	39.930	N	81.298	E	33	N	3.4	1.2	7	SOUTHERN XINJIANG, CHINA
14	02	14	49.2&	18.673	N	145.259	E	500	G		1.1	12	MARIANA ISLANDS
14	02	32	38.5*	9.876	S	118.498	E	33	N	3.5	1.4	7	SUMBAWA REGION, INDONESIA
14	02	38	39.9*	12.651	N	81.339	W	5	G	3.7	1.0	12	CARIBBEAN SEA
14	02	39	17.4	59.574	S	26.186	W	33	N	5.0 5.3	1.0	63	SOUTH SANDWICH ISLANDS REGION. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:39:25.8; Lat 60.04 S; Lon 25.72 W; Dep 33.0; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=4.40, Plg=60, Azm=232; (N) Val=-0.33, Plg=23, Azm=10; (P) Val=-4.08, Plg=18, Azm=108; Best double couple: Mo=4.2*10**17 Nm; NP1: Strike=230, Dip=34, Slip=135; NP2: Strike=0, Dip=67, Slip=65.
14	03	12	56.2&	35.440	N	34.826	E	10	G		0.5	6	CYPRUS REGION. MD 3.9 (ISK).
14	03	36	36.3?	24.99	N	142.76	E	33	N	3.5	0.7	8	VOLCANO ISLANDS REGION
14	03	42	42.8*	9.861	S	127.558	E	100	G	4.3	1.4	12	TIMOR SEA
14	04	02	45.7	54.386	N	162.463	E	33	N	4.6	1.1	49	NEAR EAST COAST OF KAMCHATKA
14	04	10	58.4	53.932	N	161.743	E	33	N	4.9 4.7	0.9	171	OFF EAST COAST OF KAMCHATKA
14	04	11	39.8&	8.851	N	78.813	W	10	G		0.6	6	PANAMA. MD 3.3 (UPA).
14	04	12	24.2	53.926	N	161.791	E	33	N	4.7	0.9	66	OFF EAST COAST OF KAMCHATKA
14	04	12	59.0*	54.068	N	161.624	E	33	N	4.6	1.1	37	NEAR EAST COAST OF KAMCHATKA
14	05	02	43.7?	56.05	S	27.49	W	33	N	4.5	1.0	8	SOUTH SANDWICH ISLANDS REGION
14	05	53	30.6	36.634	N	71.523	E	100	G	3.1	0.9	6	AFGHANISTAN-TAJIKISTAN BORD REG.
14	06	06	49.5*	12.431	N	88.731	W	33	N	4.7	1.0	33	OFF COAST OF CENTRAL AMERICA
14	06	48	02.5*	36.392	N	71.194	E	100	G	3.1	1.1	6	AFGHANISTAN-TAJIKISTAN BORD REG.
14	06	57	41.9*	16.893	S	173.742	W	33	N	4.6	0.7	31	TONGA ISLANDS
14	07	06	44.5	10.409	N	64.776	W	33	N	4.8 3.8	0.9	54	NEAR COAST OF VENEZUELA
14	07	19	23.1?	54.38	N	161.47	E	33	N	4.2	1.3	8	NEAR EAST COAST OF KAMCHATKA
14	07	21	44.5	44.804	N	6.649	E	5	G		0.9	17	FRANCE. ML 2.1 (LDG).
14	08	30	07.1*	20.399	S	178.377	W	550	G	4.2	1.0	13	FIJI ISLANDS REGION
14	08	38	39.5*	5.411	S	152.167	E	33	N	4.5	1.2	29	NEW BRITAIN REGION, P.N.G.
14	08	41	47.2?	43.47	N	147.69	E	33	N	3.5	0.7	5	KURIL ISLANDS
14	08	48	36.0	3.081	S	136.106	E	33	N	5.2 5.2	1.2	82	IRIAN JAYA, INDONESIA. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:48:42.4; Lat 2.85 S; Lon 136.06 E; Dep 30.5; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=2.48, Plg=60, Azm=205; (N) Val=0.32, Plg=15, Azm=88; (P) Val=-2.80, Plg=25, Azm=351; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=51, Dip=24, Slip=50; NP2: Strike=273, Dip=72, Slip=106.
14	08	56	27.4*	0.527	N	27.735	W	10	G	4.4 3.8	1.0	11	CENTRAL MID-ATLANTIC RIDGE
14	08	59	07.3	55.796	S	26.883	W	33	N	5.0	0.9	19	SOUTH SANDWICH ISLANDS REGION
14	09	26	55.4	38.409	N	22.240	E	33	N	4.4	1.1	95	GREECE
14	10	01	29.0*	34.341	N	23.803	E	33	N		1.3	11	CRETE
14	10	01	44.7&	45.976	N	14.636	E	10	G		0.2	6	NORTHWESTERN BALKAN REGION. ML 1.5 (LJU).
14	10	04	29.8	38.252	N	74.281	E	150	G	4.0	1.0	23	TAJIKISTAN-XINJIANG BORDER REG.
14	10	44	44.3*	9.217	S	75.080	W	33	N	3.7	1.1	8	CENTRAL PERU

14	11	13	09.4&	37.630	N	118.889	W	5					10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.4 (BRK).
14	11	14	40.8*	47.629	N	27.718	W	10	G	4.0	3.7	1.3	28	NORTHERN MID-ATLANTIC RIDGE
14	11	45	37.9*	9.052	N	82.321	W	33	N			0.3	7	PANAMA-COSTA RICA BORDER REGION. MD 4.3 (UPA).
14	12	20	46.0*	31.622	S	179.979	E	400	G			1.2	18	KERMADEC ISLANDS REGION
14	12	21	38.2*	30.660	S	178.923	W	200	G	4.5		0.9	27	KERMADEC ISLANDS, NEW ZEALAND
14	12	55	54.7	54.449	N	162.364	E	33	N	4.5		0.8	22	NEAR EAST COAST OF KAMCHATKA
14	13	00	05.1&	62.310	N	148.134	W	31					20	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 2.9 (PMR).
14	14	34	26.7&	17.863	N	66.089	W	10	G			0.5	8	PUERTO RICO REGION. MD 2.9 (MPR).
14	16	51	15.9*	54.883	N	162.155	E	33	N	4.1		1.1	20	NEAR EAST COAST OF KAMCHATKA
14	16	52	51.0&	32.738	S	71.598	W	40	G			0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
14	17	02	23.3	10.127	S	160.999	E	66	D	5.0		0.9	57	SOLOMON ISLANDS
14	18	45	28.2	6.319	N	126.707	E	100	G	5.2		1.0	63	MINDANAO, PHILIPPINE ISLANDS
14	19	17	18.5*	19.185	N	108.594	W	33	N	4.2		1.1	25	REVILLA GIGEDO ISLANDS REGION
14	19	25	50.3	74.660	N	9.163	E	10	G	4.5		1.4	29	GREENLAND SEA
14	19	42	06.4*	54.554	N	162.029	E	33	N	4.4		1.1	11	NEAR EAST COAST OF KAMCHATKA
14	19	58	46.5*	17.473	S	178.895	W	500	G	4.6		0.9	32	FIJI ISLANDS REGION
14	20	46	04.0?	30.33	S	177.80	W	33	N	4.6		1.0	11	KERMADEC ISLANDS, NEW ZEALAND
14	21	02	23.8?	6.66	N	72.67	W	173	?	4.0		1.3	11	NORTHERN COLOMBIA
14	21	30	47.6*	52.128	N	152.931	E	450	G	3.5		0.3	11	NORTHWEST OF KURIL ISLANDS
14	21	38	14.9*	52.593	N	169.591	W	33	N	3.6		1.2	9	FOX ISLANDS, ALEUTIAN ISLANDS
14	21	38	54.9&	25.062	N	123.620	E	174	?			0.9	7	NORTHEAST OF TAIWAN
14	23	10	03.9	15.571	S	173.173	W	33	N	5.2	5.2	1.0	132	TONGA ISLANDS. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:10:10.9; Lat 15.36 S; Lon 172.65 W; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.43, Plg=68, Azm=297; (N) Val=0.43, Plg=11, Azm=178; (P) Val=-2.86, Plg=18, Azm=84; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=156, Dip=28, Slip=66; NP2: Strike=3, Dip=64, Slip=102.
14	23	28	47.5?	10.04	N	123.22	E	33	N	4.7		1.4	12	CEBU, PHILIPPINE ISLANDS
15	00	05	28.2?	13.69	N	95.40	W	33	N	4.3		0.9	11	OFF COAST OF CHIAPAS, MEXICO
15	00	38	43.3?	12.83	S	166.76	E	200	G	4.4		0.9	23	SANTA CRUZ ISLANDS
15	00	43	40.9	12.942	N	58.042	E	26	D	4.9	4.6	1.1	59	ARABIAN SEA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:43:37.4; Lat 12.87 N; Lon 57.85 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.96, Plg=1, Azm=204; (N) Val=1.75, Plg=18, Azm=114; (P) Val=-5.71, Plg=72, Azm=297; Best double couple: Mo=4.8*10**16 Nm; NP1: Strike=312, Dip=47, Slip=-65; NP2: Strike=97, Dip=49, Slip=-114.
15	01	01	44.8?	30.82	S	177.16	W	33	N	4.7		0.7	9	KERMADEC ISLANDS, NEW ZEALAND
15	01	25	16.2&	10.933	N	60.629	W	33	N			0.7	9	TRINIDAD. MD 3.3 (TRN).
15	01	27	14.3	5.434	S	152.067	E	53	*	4.9		0.8	41	NEW BRITAIN REGION, P.N.G.
15	01	32	20.9&	64.560	N	150.280	W	18					19	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
15	01	37	27.6*	37.413	N	20.337	E	33	N	3.5		1.0	10	IONIAN SEA
15	01	41	28.8?	37.23	N	20.95	E	33	N			0.7	9	IONIAN SEA
15	02	27	55.6	6.036	S	149.869	E	70	*	4.6		0.9	19	NEW BRITAIN REGION, P.N.G.
15	03	07	29.8&	59.749	N	153.521	W	133					46	SOUTHERN ALASKA. <AEIC>.
15	04	06	05.6?	1.08	S	98.69	W	10	G	4.1		0.7	8	WEST OF GALAPAGOS ISLANDS
15	04	28	08.1	5.627	S	148.154	E	158		4.4		0.9	20	NEW BRITAIN REGION, P.N.G.
15	05	41	32.8	42.496	N	20.090	E	10	G			0.9	17	NORTHWESTERN BALKAN REGION. ML 3.3 (ROM).
15	06	56	29.2*	63.257	N	152.148	W	33	N			1.3	7	CENTRAL ALASKA. ML 2.8 (PMR).
15	07	18	48.7	7.880	S	107.769	E	33	N	4.7		1.0	27	JAWA, INDONESIA
15	07	27	14.1?	1.08	S	98.70	W	10	G	4.0		0.5	9	WEST OF GALAPAGOS ISLANDS
15	07	56	52.0?	32.35	S	71.53	W	33	N			0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
15	08	54	38.1?	53.87	N	167.77	W	33	N			1.4	5	FOX ISLANDS, ALEUTIAN ISLANDS
15	10	04	07.7?	7.05	N	72.88	W	150	G			0.7	5	NORTHERN COLOMBIA
15	10	05	55.0&	54.054	N	163.969	W	7					18	UNIMAK ISLAND REGION. <AEIC>. ML 3.4 (AEIC).
15	10	26	58.7	20.148	S	67.624	E	10	G	5.2		1.3	30	MID-INDIAN RIDGE
15	10	28	06.0	6.042	S	149.867	E	33	N	5.3	5.8	1.1	104	NEW BRITAIN REGION, P.N.G. Mw 5.9 (GS), 5.9 (HRV). ML 5.8 (PMG). Moment Tensor (GS): Dep 33; Principal axes (scale 10**17 Nm): (T) Val=6.33, Plg=80, Azm=343; (N) Val=0.69, Plg=4, Azm=96; (P) Val=-7.03, Plg=9, Azm=187; Best double couple: Mo=6.7*10**17 Nm; NP1: Strike=281, Dip=36, Slip=97; NP2: Strike=93, Dip=54. Slip=85. Centroid, Moment Tensor (HRV): Centroid origin time 10:28:13.5; Lat 6.51 S; Lon 150.12 E; Dep 35.0 Fix; Half-duration 2.3 sec; Principal axes (scale 10**17 Nm): (T) Val=8.38, Plg=75, Azm=336; (N) Val=1.17, Plg=4, Azm=80; (P) Val=-9.55, Plg=14, Azm=171; Best double couple: Mo=9.0*10**17 Nm; NP1: Strike=266, Dip=31, Slip=97; NP2: Strike=78, Dip=60, Slip=86.
15	10	40	03.1?	18.13	N	67.01	W	10	G			0.3	4	MONA PASSAGE. MD 2.5 (MPR).
15	10	49	39.7	6.112	S	149.844	E	50	D	4.6		0.8	43	NEW BRITAIN REGION, P.N.G.
15	10	56	13.3	42.208	N	20.043	E	10	G	3.9		1.4	74	NORTHWESTERN BALKAN REGION
15	11	05	19.1*	20.628	S	67.937	E	10	G	4.5		1.1	22	MID-INDIAN RIDGE
15	11	58	03.6	49.409	N	155.915	E	73	D	4.6		0.7	50	KURIL ISLANDS
15	12	38	04.2*	14.022	N	120.970	E	200	G			1.2	12	LUZON, PHILIPPINE ISLANDS
15	13	07	36.5	34.393	S	71.858	W	44	D	4.9	4.2	1.0	80	NEAR COAST OF CENTRAL CHILE. MD 4.8 (SAN). Felt (V) at Licanten, Pichilemu and Rancagua; (IV) at Curepto, Curico, Marchihue and San Fernando; (III) at Convento Viejo, Chimbarongo, San Antonio, Santiago, Talca and Valparaiso; (II) at Linares and Papudo; (I) at Parral and San Javier.
15	14	22	33.1&	64.555	N	162.672	W	25		4.5			56	NORTHERN ALASKA. <AEIC>. ML 4.8 (AEIC). Felt strongly at Elim and Golovin. Also felt at Koyuk, Nome and White Mountain.
15	14	27	56.1	24.380	S	69.521	W	82	D	5.0		1.2	65	NORTHERN CHILE. Felt (III) at Antofagasta, Calama, Chuquicamata, Mejillones, Sierra Gorda and Tocopilla.
15	15	08	33.8?	2.00	S	134.01	E	33	N	3.6		1.5	7	IRIAN JAYA REGION, INDONESIA
15	15	22	11.9?	53.93	N	161.69	E	33	N	4.3		1.1	8	OFF EAST COAST OF KAMCHATKA
15	15	22	34.6*	38.927	N	76.776	E	100	G	3.8		1.2	12	SOUTHERN XINJIANG, CHINA

15	15	56	46.2*	2.012	S	134.055	E	33	N	3.6	1.5	9	IRIAN JAYA REGION, INDONESIA
15	16	06	08.6*	54.015	N	161.532	E	33	N	4.4	1.4	17	NEAR EAST COAST OF KAMCHATKA
15	16	15	23.5&	34.159	S	70.578	W	90	G		0.2	13	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
15	17	02	18.6&	62.365	N	151.490	W	96				46	CENTRAL ALASKA. <AEIC>.
15	17	33	44.1*	0.021	N	16.536	W	10	G		1.5	11	NORTH OF ASCENSION ISLAND
15	17	34	14.0&	8.963	N	79.680	W	10	G		1.1	5	PANAMA. MD 2.4 (UPA).
15	18	20	42.8?	32.35	S	71.82	W	10	G		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
15	18	31	15.8?	32.24	S	71.99	W	10	G		0.6	9	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
15	18	35	26.7&	44.572	N	7.000	E	10	G		0.5	10	NORTHERN ITALY. ML 2.3 (GEN).
15	18	52	11.2	36.398	N	70.503	E	217	D	4.5	0.9	72	HINDU KUSH REGION, AFGHANISTAN
15	19	00	07.0&	59.569	N	153.921	W	128				37	SOUTHERN ALASKA. <AEIC>.
15	19	19	03.7&	60.148	N	152.536	W	92				46	SOUTHERN ALASKA. <AEIC>.
15	19	23	31.2	55.071	N	163.165	E	33	N	4.5	0.6	28	OFF EAST COAST OF KAMCHATKA
15	20	11	15.8	4 621	N	94.345	E	33	N		1.0	21	OFF W COAST OF NORTHERN SUMATERA
15	20	41	56.7	37.242	N	20.685	E	100	G		0.5	13	IONIAN SEA
15	21	07	34.2	29.166	N	51.172	E	33	N	4.5	1.0	28	SOUTHERN IRAN
15	21	38	28.3*	53.784	N	160.939	E	33	N		1.0	8	NEAR EAST COAST OF KAMCHATKA
15	22	14	55.4*	8.425	N	126.660	E	33	N	4.4	1.2	23	MINDANAO, PHILIPPINE ISLANDS
15	22	42	42.1&	40.315	N	124.554	W	22				27	NEAR COAST OF NORTHERN CALIF. <GM-P>. Mw 4.2 (BRK). ML 4.1 (GM), 4.1 (BRK). Felt at Arcata, Carlotta, Cutten, Ettersburg, Eureka, Ferndale, Fortuna, Holmes, Honeydew, Loleta, Petrolia and Rio Dell. Moment Tensor (BRK): Dep 21; Principal axes (scale 10**15 Nm): (T) Val=2.33, Plg=50, Azm=170; (N) Val=0.00, Plg=6, Azm=73; (P) Val=-2.33, Plg=39, Azm=338; Best double couple: Mo=2.3*10**15 Nm; NP1: Strike=253, Dip=85, Slip=96; NP2: Strike=26, Dip=8, Slip=43.
15	22	58	42.2	55.090	N	163.101	E	33	N	4.9 4.5	0.9	95	OFF EAST COAST OF KAMCHATKA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:58:41.6; Lat 55.34 N; Lon 163.74 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.37, Plg=44, Azm=345; (N) Val=-0.65, Plg=23, Azm=231; (P) Val=-5.73, Plg=37, Azm=122; Best double couple: Mo=6.1*10**16 Nm; NP1: Strike=151, Dip=23, Slip=9; NP2: Strike=52, Dip=86, Slip=113.
15	23	26	30.5	44.725	N	110.674	W	10	G		0.7	24	YELLOWSTONE REGION, WYOMING. ML 3.4 (BUT).
16	00	38	00.3*	3.799	S	134.710	E	33	N	3.8	1.4	15	IRIAN JAYA REGION, INDONESIA
16	00	51	37.7*	55.557	N	163.064	E	33	N	4.6	1.1	25	OFF EAST COAST OF KAMCHATKA
16	02	09	25.5?	37.45	N	20.74	E	33	N		1.3	7	IONIAN SEA
16	02	19	51.0&	63.272	N	151.303	W	11				23	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.6 (PMR).
16	03	11	48.4	21.653	S	176.637	W	200	G	4.6	0.9	48	FIJI ISLANDS REGION
16	03	13	59.2	43.962	N	11.037	E	5	G		1.1	15	CENTRAL ITALY. ML 2.7 (LDG).
16	04	24	44.1	51.699	N	16.276	E	5	G		0.6	23	POLAND. ML 3.6 (GRF), 3.5 (VIE).
16	04	53	09.8&	38.758	N	122.713	W	2				9	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
16	05	04	25.5?	36.71	N	21.31	E	33	N		1.4	11	SOUTHERN GREECE
16	05	18	51.0*	37.217	N	71.750	E	159	?	3.5	0.8	11	AFGHANISTAN-TAJIKISTAN BORD REG.
16	05	27	49.8	63.154	N	151.244	W	33	N		1.0	8	CENTRAL ALASKA. ML 2.8 (PMR).
16	05	45	55.5?	18.96	N	67.59	W	33	N		0.3	8	MONA PASSAGE. MD 3.1 (MPR).
16	06	06	35.7*	51.557	N	7.349	E	10	G		1.6	8	GERMANY. ML 2.9 (LDG), 2.9 (STR), 2.5 (DBN).
16	06	53	41.9&	33.741	S	70.407	W	13			0.3	13	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
16	07	06	56.5	62.880	S	163.188	E	10	G	4.7 5.6	1.0	21	BALLENY ISLANDS REGION. Mw 5.9 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:07:04.4; Lat 62.46 S; Lon 165.03 E; Dep 15.0 Fix; Half-duration 2.3 sec; Principal axes (scale 10**17 Nm): (T) Val=9.20, Plg=12, Azm=10; (N) Val=-0.68, Plg=73, Azm=141; (P) Val=-8.52, Plg=12, Azm=277; Best double couple: Mo=8.9*10**17 Nm; NP1: Strike=53, Dip=73, Slip=-179; NP2: Strike=323, Dip=89, Slip=-17.
16	07	55	32.3&	33.349	S	70.759	W	80	G		0.3	13	CHILE-ARGENTINA BORDER REGION. MD 2.4 (SAN).
16	08	10	14.4*	3.174	S	128.398	E	33	N	4.0	1.3	11	SERAM, INDONESIA
16	08	24	37.7&	34.332	S	70.297	W	16			0.4	13	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
16	08	43	05.0&	34.365	S	70.169	W	6			0.6	13	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
16	09	03	26.6?	31.57	S	69.63	W	170	G		0.4	12	SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (SAN).
16	09	25	18.1	20.414	S	68.039	E	10	G	5.1 4.9	0.9	49	MID-INDIAN RIDGE. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:25:24.0; Lat 20.13 S; Lon 67.79 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.23, Plg=1, Azm=191; (N) Val=0.16, Plg=73, Azm=286; (P) Val=-1.39, Plg=17, Azm=101; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=237, Dip=77, Slip=-169; NP2: Strike=145, Dip=79, Slip=-13.
16	09	41	52.2?	55.05	N	162.15	E	33	N	3.3	1.1	7	NEAR EAST COAST OF KAMCHATKA
16	09	48	54.9?	10.84	N	62.24	W	10	G		0.8	6	NEAR COAST OF VENEZUELA. MD 3.2 (TRN).
16	09	59	48.2	53.990	N	161.848	E	33	N	4.4	1.2	25	OFF EAST COAST OF KAMCHATKA
16	10	00	26.8	63.419	N	151.755	W	33	N		0.8	8	CENTRAL ALASKA. ML 3.0 (PMR).
16	10	38	27.8&	63.268	N	151.139	W	8				21	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.2 (PMR).
16	10	44	14.5&	61.455	N	150.303	W	48				16	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
16	10	53	20.3&	53.675	N	166.354	W	78				11	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>.
16	11	00	38.9&	60.102	N	152.438	W	92				21	SOUTHERN ALASKA. <AEIC>.
16	11	17	22.4	29.985	N	42.628	W	10	G	5.0 5.0	1.2	66	NORTHERN MID-ATLANTIC RIDGE. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:17:27.4; Lat 30.32 N; Lon 42.45 W; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=2.37, Plg=15, Azm=150; (N) Val=-0.40, Plg=63, Azm=29; (P) Val=-1.97, Plg=22, Azm=247; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=287, Dip=63, Slip=-5; NP2: Strike=20, Dip=85, Slip=-153.
16	11	34	41.4*	40.514	N	139.658	E	193	*	4.1	0.9	28	NEAR WEST COAST OF HONSHU, JAPAN
16	11	44	03.1	16.188	N	98.842	W	10	G	5.1	1.2	96	NEAR COAST OF GUERRERO, MEXICO
16	11	48	29.8	16.107	N	98.852	W	10	G	5.5 5.5	1.1	133	NEAR COAST OF GUERRERO, MEXICO. Mw 6.0 (GS), 6.0 (HRV). Moment Tensor (GS): Dep 18; Principal axes (scale 10**18 Nm): (T) Val=1.37, Plg=71, Azm=299; (N) Val=-0.11, Plg=19, Azm=115; (P) Val=-1.26, Plg=1, Azm=205; Best double couple:

Mo=1.3*10**18 Nm; NP1: Strike=314, Dip=47, Slip=117; NP2: Strike=97, Dip=49, Slip=64.
Centroid, Moment Tensor (HRV): Centroid origin time 11:48:37.8; Lat 16.43 N; Lon 98.73 W; Dep 16.0 Bdy; Half-duration 2.3 sec; Principal axes (scale 10**18 Nm): (T) Val=1.01, Plg=61, Azm=28; (N) Val=0.04, Plg=8, Azm=285; (P) Val=-1.04, Plg=28, Azm=190; Best double couple: Mo=1.0*10**18 Nm; NP1: Strike=260, Dip=18, Slip=54; NP2: Strike=107, Dip=74, Slip=98.

16 13 20 09.1& 33.000 S 71.703 W 10 G 0.7 11 NEAR COAST OF CENTRAL CHILE
16 14 20 28.5& 62.299 N 148.826 W 37 27 CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC). 3.1 (PMR).
16 14 23 18.9 45.814 N 5.368 E 10 G 0.8 7 FRANCE. ML 2.5 (STR), 2.1 (LDG).
16 14 33 35.3? 5.05 S 140.70 E 33 N 3.7 1.0 5 IRIAN JAYA, INDONESIA
16 14 49 18.1& 16.085 N 99.050 W 10 G 0.7 19 NEAR COAST OF GUERRERO, MEXICO. MD 4.3 (UNM).
16 15 37 13.5 54.731 N 161.561 E 33 N 4.6 1.0 41 NEAR EAST COAST OF KAMCHATKA
16 15 59 31.4* 6.613 S 148.383 E 33 N 4.0 1.1 7 NEW BRITAIN REGION, P.N.G.
16 16 17 13.3? 54.45 N 161.30 E 33 N 4.1 1.3 9 NEAR EAST COAST OF KAMCHATKA
16 17 48 43.3* 1.426 N 97.703 E 33 N 4.2 0.6 10 NORTHERN SUMATERA, INDONESIA
16 18 00 00.1* 3.906 N 126.984 E 33 N 4.6 1.3 12 TALAUD ISLANDS, INDONESIA
16 18 15 21.8& 53.750 N 164.161 W 7 18 UNIMAK ISLAND REGION. <AEIC>. ML 3.5 (AEIC).
16 19 04 30.8& 53.818 N 164.279 W 5 15 UNIMAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
16 19 17 09.5& 53.731 N 164.164 W 2 4.1 59 UNIMAK ISLAND REGION. <AEIC>. ML 3.7 (AEIC).
16 20 12 12.2* 0.438 S 125.604 E 33 N 4.7 1.2 22 SOUTHERN MOLUCCA SEA
16 20 20 52.8 7.577 N 94.279 E 33 N 5.0 0.9 35 NICOBAR ISLANDS, INDIA
16 20 40 09.2 35.500 S 105.920 W 10 G 5.2 5.1 1.2 79 SOUTHERN EAST PACIFIC RISE. Mw 5.7 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 20:40:14.7; Lat 35.53 S; Lon 105.72 W; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=4.47, Plg=2, Azm=50; (N) Val=-0.60, Plg=82, Azm=154; (P) Val=-3.87, Plg=7, Azm=320; Best double couple: Mo=4.2*10**17 Nm; NP1: Strike=95, Dip=83, Slip=-176; NP2: Strike=5, Dip=86, Slip=-7.

16 21 13 54.2& 63.303 N 151.212 W 11 17 CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC). 3.0 (PMR).
16 21 29 22.1 4.881 S 129.447 E 208 * 4.6 0.9 15 BANDA SEA
16 21 51 23.9? 28.82 N 142.26 E 33 N 4.1 1.5 7 BONIN ISLANDS REGION
16 22 42 07.1 3.687 S 143.193 E 10 G 4.3 1.0 17 NEAR N COAST OF NEW GUINEA, PNG.
16 23 30 48.8? 18.61 S 169.68 E 267 ? 4.0 1.0 12 VANUATU ISLANDS
16 23 34 35.6& 15.667 N 99.230 W 10 G 1.1 13 OFF COAST OF GUERRERO, MEXICO. MD 4.1 (UNM).
16 23 50 45.2 5.873 S 147.167 E 103 D 5.7 1.0 191 EASTERN NEW GUINEA REG., P.N.G. Mw 5.8 (GS), 5.8 (HRV).
Moment Tensor (GS): Dep 89; Principal axes (scale 10**17 Nm): (T) Val=5.41, Plg=53, Azm=23; (N) Val=-0.02, Plg=26, Azm=154; (P) Val=-5.38, Plg=24, Azm=257; Best double couple: Mo=5.4*10**17 Nm; NP1: Strike=27, Dip=32, Slip=147; NP2: Strike=146, Dip=73, Slip=63.
Centroid, Moment Tensor (HRV): Centroid origin time 23:50:50.2; Lat 6.08 S; Lon 147.31 E; Dep 107.5; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=5.70, Plg=52, Azm=29; (N) Val=-1.07, Plg=26, Azm=159; (P) Val=-4.63, Plg=25, Azm=262; Best double couple: Mo=5.2*10**17 Nm; NP1: Strike=35, Dip=31, Slip=150; NP2: Strike=151, Dip=75, Slip=63.

17 00 29 41.0? 34.01 S 72.39 W 20 G 0.4 12 NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
17 02 05 25.4? 18.38 S 177.96 W 600 G 3.7 1.1 11 FIJI ISLANDS REGION
17 02 16 15.4? 33.99 S 72.13 W 20 G 0.5 10 OFF COAST OF CENTRAL CHILE. MD 3.5 (SAN).
17 02 48 11.4& 45.732 N 26.599 E 60 G 0.2 6 ROMANIA
17 04 20 27.5& 60.095 N 153.022 W 110 29 SOUTHERN ALASKA. <AEIC>.
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 6.6 (HRV), 6.5 (GS). Me 6.2 (GS). Ms 6.4 (BRK). ML 6.4 (PMR). Felt (IV) on Adak.
Broadband Source Parameters (GS): Dep 19; NP1: Strike=255, Dip=20, Slip=105; NP2: Strike=59, Dip=71, Slip=85; Radiated energy 4.1*10**13 Nm. Two events about 1.5 seconds apart. Depths 19 and 18 km, respectively.
Moment Tensor (GS): Dep 20; Principal axes (scale 10**18 Nm): (T) Val=6.48, Plg=58, Azm=338; (N) Val=-1.06, Plg=5, Azm=240; (P) Val=-5.42, Plg=32, Azm=147; Best double couple: Mo=6.0*10**18 Nm; NP1: Strike=219, Dip=74, Slip=68; NP2: Strike=62, Dip=77, Slip=95.
Centroid, Moment Tensor (HRV): Centroid origin time 04:38:58.3; Lat 51.25 N; Lon 178.92 E; Dep 22.0 Bdy; Half-duration 5.1 sec; Principal axes (scale 10**19 Nm): (T) Val=0.96, Plg=67, Azm=335; (N) Val=0.07, Plg=4, Azm=75; (P) Val=-1.02, Plg=22, Azm=167; Best double couple: Mo=9.9*10**18 Nm; NP1: Strike=266, Dip=23, Slip=101; NP2: Strike=73, Dip=67, Slip=85.
Scalar Moment (PPT): Mo=1.2*10**19 Nm.

17 05 06 30.8? 34.37 N 137.34 E 301 * 4.5 1.5 14 NEAR S. COAST OF HONSHU, JAPAN
17 05 22 41.9 63.374 N 151.693 W 33 N 1.0 7 CENTRAL ALASKA. ML 3.1 (PMR).
17 05 44 54.7? 51.25 N 179.13 E 33 N 4.3 1.0 6 RAT ISLANDS, ALEUTIAN ISLANDS
17 05 45 23.0? 24.04 S 67.02 W 200 G 0.4 7 CHILE-ARGENTINA BORDER REGION
17 05 51 29.2 36.387 N 70.773 E 207 D 5.5 1.2 371 HINDU KUSH REGION, AFGHANISTAN. Mw 6.3 (HRV). Felt at Dushanbe, Tajikistan. Felt (IV) at Samarqand and Toshkent; (III) at Farghona, Uzbekistan. Also felt (III) at Shymkent and Zhambyl, Kazakhstan.
Centroid, Moment Tensor (HRV): Centroid origin time 05:51:36.2; Lat 36.53 N; Lon 70.62 E; Dep 223.7; Half-duration 3.4 sec; Principal axes (scale 10**18 Nm): (T) Val=3.15, Plg=64, Azm=16; (N) Val=0.03, Plg=1, Azm=107; (P) Val=-3.19, Plg=26, Azm=198; Best double couple: Mo=3.2*10**18 Nm; NP1: Strike=289, Dip=19, Slip=92; NP2: Strike=107, Dip=71, Slip=89.

17 06 39 35.8? 40.66 S 173.74 E 100 G 0.3 8 COOK STRAIT, NEW ZEALAND
17 06 41 09.6 54.947 N 162.362 E 33 N 4.7 0.8 37 NEAR EAST COAST OF KAMCHATKA
17 07 07 43.8& 45.455 N 6.577 E 5 G 0.8 6 FRANCE. ML 2.5 (LDG).

17	07	13	45.1*	54.957	N	161.771	E	33	N	4.5	0.7	13	NEAR EAST COAST OF KAMCHATKA
17	07	16	19.8*	7.077	S	128.954	E	215	*	4.4	1.1	10	BANDA SEA
17	07	35	43.1&	44.528	N	6.948	E	5	G		0.3	7	FRANCE. ML 2.0 (GEN).
17	08	26	02.0&	63.030	N	150.750	W	129				22	CENTRAL ALASKA. <AEIC>.
17	08	31	29.2?	51.04	N	178.93	E	33	N	4.1	1.5	6	RAT ISLANDS, ALEUTIAN ISLANDS
17	09	19	35.8?	18.31	N	67.45	W	70	G		0.2	7	MONA PASSAGE. MD 3.0 (MPR).
17	09	40	09.6	34.939	N	23.301	E	33	N	4.7	1.2	104	CRETE
17	10	09	59.0*	24.372	N	98.607	E	33	N		1.0	11	MYANMAR-CHINA BORDER REGION
17	10	23	28.4*	13.989	N	146.360	E	100	G	3.6	0.9	12	SOUTH OF MARIANA ISLANDS
17	10	48	06.9	20.570	S	177.013	W	300	G	4.6	1.0	49	FIJI ISLANDS REGION
17	11	34	42.2*	9.814	S	79.682	W	33	N	4.6	1.1	20	OFF COAST OF NORTHERN PERU
17	11	41	13.2	63.973	N	149.816	W	33	N		1.1	9	CENTRAL ALASKA. ML 3.3 (PMR).
17	11	45	09.0	51.212	N	178.990	E	33	N	5.0 5.0	1.1	138	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.5 (HRV). Felt on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 11:45:13.6; Lat 51.15 N; Lon 179.51 E; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.59, Plg=70, Azm=10; (N) Val=0.19, Plg=8, Azm=257; (P) Val=-1.77, Plg=18, Azm=165; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=243, Dip=28, Slip=73; NP2: Strike=81, Dip=64, Slip=99.
17	12	20	39.6	4.223	S	143.471	E	87	*	4.3	1.3	18	NEW GUINEA, PAPUA NEW GUINEA
17	12	44	14.3&	33.381	S	71.308	W	50	G		0.3	13	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
17	12	52	57.1&	17.756	N	66.768	W	10	G		0.8	6	PUERTO RICO REGION. MD 2.6 (MPR).
17	13	00	28.1?	32.31	S	70.99	W	80	G		0.3	12	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
17	13	55	05.0	45.091	N	6.724	E	5	G		0.6	13	FRANCE. ML 2.2 (GEN), 2.0 (LDG).
17	14	03	38.6?	36.24	S	52.62	E	10	G	3.8	1.0	6	SOUTHWEST INDIAN RIDGE
17	14	33	16.8&	32.676	S	71.497	W	20	G		0.5	13	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN). Felt (III) at Limache, Petorca, Quillota, Quilpue, Valparaiso, Vina del Mar and Zapallar.
17	15	09	36.9*	58.962	S	25.677	W	50	G	4.6	1.0	32	SOUTH SANDWICH ISLANDS REGION
17	15	10	04.7?	18.50	N	66.54	W	100	G		0.5	8	PUERTO RICO REGION. MD 2.8 (MPR).
17	15	24	17.8?	11.92	S	166.37	E	200	G		1.3	9	SANTA CRUZ ISLANDS
17	16	08	11.5&	41.049	S	173.064	E	166	*		0.3	15	SOUTH ISLAND, NEW ZEALAND. Felt at Lower Hutt on the North Island.
17	16	12	13.6*	6.312	S	130.185	E	100	G		1.5	15	BANDA SEA
17	16	44	22.9*	4.370	N	98.787	E	33	N		0.2	7	NORTHERN SUMATERA, INDONESIA
17	17	05	46.3	43.213	N	0.405	W	5	G		0.8	24	PYRENEES. ML 3.6 (LDG), 2.9 (STR). Felt (III) in the Ossau Valley, France.
17	17	14	23.9*	1.340	S	149.772	E	100	G	4.1	1.0	21	NEW IRELAND REGION, P.N.G.
17	17	18	03.6&	61.693	N	151.756	W	98				40	SOUTHERN ALASKA. <AEIC>.
17	18	29	58.9?	58.83	S	25.98	W	33	N	4.5	1.3	11	SOUTH SANDWICH ISLANDS REGION
17	18	31	27.4	50.980	N	178.789	E	33	N	4.6	0.6	18	RAT ISLANDS, ALEUTIAN ISLANDS
17	18	51	20.9	37.130	N	71.675	E	141	*	3.9	0.9	21	AFGHANISTAN-TAJIKISTAN BORD REG.
17	19	13	13.0*	44.516	N	148.324	E	33	N	4.8	1.2	16	KURIL ISLANDS
17	19	19	34.7&	61.675	N	153.950	W	10				16	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
17	19	21	39.4	36.168	N	26.689	E	131	?	3.9	0.5	21	DODECANESE ISLANDS
17	19	29	48.4&	47.363	N	11.784	E	10	G		0.1	5	AUSTRIA. ML 1.5 (VIE).
17	20	13	31.0?	29.67	N	68.40	E	33	N		0.9	7	PAKISTAN
17	20	21	13.2*	40.793	N	48.807	E	33	N	4.3	1.2	20	EASTERN CAUCASUS
17	21	04	07.6	51.688	N	16.147	E	5	G		0.8	11	POLAND. ML 3.7 (VIE).
17	21	41	48.8?	10.97	N	61.91	W	60	G		0.6	4	TRINIDAD. MD 2.9 (TRN).
17	21	47	54.1	6.977	S	129.957	E	100	G	4.6	1.0	28	BANDA SEA
17	22	17	56.0?	15.59	N	60.46	W	33	N		0.2	6	LEEWARD ISLANDS. MD 3.0 (FDF).
17	22	30	38.7&	47.368	N	11.779	E	10	G		0.1	5	AUSTRIA. ML 1.5 (VIE).
17	22	53	17.6	13.949	N	120.785	E	115	D	4.4	0.9	20	MINDORO, PHILIPPINE ISLANDS
17	23	14	43.0&	60.868	N	149.836	W	28				67	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
17	23	26	46.9	2.855	S	140.956	E	33	N	5.3	0.8	60	NEAR NORTH COAST OF IRIAN JAYA. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:26:48.5; Lat 2.54 S; Lon 141.69 E; Dep 35.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.21, Plg=12, Azm=158; (N) Val=-1.36, Plg=72, Azm=287; (P) Val=-2.85, Plg=14, Azm=65; Best double couple: Mo=3.5*10**16 Nm; NP1: Strike=202, Dip=72, Slip=-179; NP2: Strike=112, Dip=89, Slip=-18.
17	23	53	07.4&	38.247	S	176.316	E	10	G		0.3	5	NORTH ISLAND, NEW ZEALAND
18	00	18	04.3?	38.43	N	26.53	E	10	G		0.3	4	AEGEAN SEA. MD 3.4 (ISK).
18	00	20	20.8?	23.35	S	179.58	W	400	G	3.9	1.2	14	SOUTH OF FIJI ISLANDS
18	01	00	22.9?	32.00	N	40.27	W	10	G		1.5	7	NORTHERN MID-ATLANTIC RIDGE
18	01	51	59.9*	35.587	N	89.021	E	33	N	4.7	1.3	16	XIZANG
18	02	12	00.8?	32.07	S	70.40	W	110	G		0.2	8	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
18	03	17	01.3?	27.75	N	57.02	E	33	N		1.0	10	SOUTHERN IRAN
18	03	38	43.8	21.694	N	143.000	E	300	G	4.2	1.0	40	MARIANA ISLANDS REGION
18	05	29	18.5	18.847	S	178.130	W	500	G	4.4	0.8	43	FIJI ISLANDS REGION
18	05	32	27.2&	36.614	N	121.146	W	5				12	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.7 (GS).
18	05	39	00.7	37.232	N	20.946	E	33	N	3.7	1.1	27	IONIAN SEA
18	05	46	57.2	1.954	S	99.618	E	33	N	5.3 5.5	1.0	101	SOUTHERN SUMATERA, INDONESIA. Mw 5.7 (HRV), 5.6 (GS). Felt (IV) at Padang. Moment Tensor (GS): Dep 19; Principal axes (scale 10**17 Nm): (T) Val=2.45, Plg=53, Azm=55; (N) Val=0.02, Plg=23, Azm=291; (P) Val=-2.47, Plg=28, Azm=189; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=236, Dip=27, Slip=32; NP2: Strike=117, Dip=76, Slip=113. Centroid, Moment Tensor (HRV): Centroid origin time 05:47:00.9; Lat 1.90 S Fix; Lon 99.60 E Fix; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=4.23, Plg=44, Azm=51; (N) Val=0.47, Plg=11, Azm=310; (P) Val=-4.69, Plg=44, Azm=209; Best double couple: Mo=4.5*10**17 Nm; NP1: Strike=219, Dip=11, Slip=-1; NP2: Strike=310, Dip=90, Slip=-101.
18	06	04	23.5*	2.056	N	129.115	E	33	N	3.5	0.2	6	HALMAHERA, INDONESIA
18	06	16	40.1?	32.07	S	71.71	W	5	G		0.9	12	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
18	06	20	27.5*	50.954	N	179.277	E	33	N	4.2	1.2	19	RAT ISLANDS, ALEUTIAN ISLANDS
18	06	24	44.7?	2.77	S	147.00	E	33	N	3.9	0.9	9	ADMIRALTY ISLANDS REGION, P.N.G.

18	06	28	22.0*	2.836	S	147.436	E	33	N	4.0	1.0	13	ADMIRALTY ISLANDS REGION, P.N.G.
18	06	35	50.4*	20.030	S	178.070	W	500	G	4.2	0.9	22	FIJI ISLANDS REGION
18	06	38	56.1?	2.71	S	147.96	E	33	N	4.4	0.6	8	ADMIRALTY ISLANDS REGION, P.N.G.
18	06	40	04.5*	3.023	S	147.477	E	33	N	4.8	1.2	25	BISMARCK SEA
18	06	46	50.1?	2.98	S	147.81	E	33	N		1.5	10	ADMIRALTY ISLANDS REGION, P.N.G.
18	07	00	43.9&	37.630	N	118.855	W	6				21	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.0 (GM), 3.2 (GS).
18	07	00	52.7?	38.30	S	176.31	E	5	G		0.4	4	NORTH ISLAND, NEW ZEALAND
18	07	52	56.1*	30.910	N	142.609	E	33	N	4.5	1.3	25	SOUTH OF HONSHU, JAPAN
18	08	35	55.9&	36.199	N	120.761	W	9				9	CENTRAL CALIFORNIA. <GM-P>. ML 2.9 (GM), 2.8 (PAS).
18	09	24	43.7&	54.083	N	164.062	W	10				56	UNIMAK ISLAND REGION. <AEIC>. ML 4.0 (AEIC).
18	10	01	34.4&	54.491	N	161.067	E	33	N		1.2	10	NEAR EAST COAST OF KAMCHATKA
18	10	08	55.8&	60.171	N	152.880	W	116				85	SOUTHERN ALASKA. <AEIC>.
18	10	22	10.2*	51.357	N	179.458	W	33	N	4.3	0.9	25	ANDREANOF ISLANDS, ALEUTIAN IS.
18	10	41	39.6*	48.483	N	154.871	E	33	N	4.2	1.0	14	KURIL ISLANDS
18	10	46	13.8*	11.721	S	166.184	E	33	N	4.5	1.4	17	SANTA CRUZ ISLANDS
18	11	10	01.0&	34.434	S	70.467	W	5	G		0.5	11	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
18	12	00	13.2*	1.952	S	99.661	E	33	N	4.1	0.5	15	SOUTHERN SUMATERA, INDONESIA
18	12	05	49.9	5.033	S	146.209	E	47		4.2	1.0	23	EASTERN NEW GUINEA REG., P.N.G.
18	12	20	26.0	54.156	N	161.688	E	33	N	4.6	1.2	34	NEAR EAST COAST OF KAMCHATKA
18	12	22	45.2?	21.39	S	178.72	W	500	G	3.9	1.2	14	FIJI ISLANDS REGION
18	12	27	11.3?	51.30	N	179.26	W	33	N		1.2	5	ANDREANOF ISLANDS, ALEUTIAN IS.
18	12	30	03.4	41.819	S	73.039	W	48	D	5.1	1.0	52	SOUTHERN CHILE. Mw 5.2 (HRV). Felt (V) at Castro; (IV) at Ancud, Chacao, Puerto Montt, Puerto Varas and Quemchi; (III) at Osorno and Valdivia. Centroid, Moment Tensor (HRV): Centroid origin time 12:30:07.4; Lat 41.99 S; Lon 72.92 W; Dep 44.2; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.80, Plg=56, Azm=261; (N) Val=0.38, Plg=21, Azm=136; (P) Val=-7.18, Plg=26, Azm=35; Best double couple: Mo=7.0*10**16 Nm; NP1: Strike=87, Dip=27, Slip=37; NP2: Strike=323, Dip=74, Slip=112.
18	13	09	35.1	44.257	N	6.491	E	5	G		0.5	31	FRANCE. ML 2.7 (LDG).
18	13	18	05.3&	18.183	N	66.272	W	10	G		0.6	5	PUERTO RICO REGION. MD 2.6 (MPR).
18	13	25	11.9?	3.19	S	147.47	E	33	N	3.8	0.9	8	BISMARCK SEA
18	13	26	00.8?	3.67	S	147.97	E	33	N	3.7	1.2	6	BISMARCK SEA
18	14	55	52.8?	10.72	N	141.49	E	33	N	3.7	1.2	5	WESTERN CAROLINE ISLANDS
18	15	02	00.3	13.840	N	88.739	W	182	D	5.3	1.0	342	EL SALVADOR. Mw 6.1 (GS), 6.0 (HRV). Me 5.3 (GS). Broadband Source Parameters (GS): Dep 171; Radiated energy 1.7*10**12 Nm. Moment Tensor (GS): Dep 179; Principal axes (scale 10**18 Nm): (T) Val=1.35, Plg=66, Azm=39; (N) Val=0.26, Plg=0, Azm=130; (P) Val=-1.61, Plg=24, Azm=220; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=310, Dip=22, Slip=91; NP2: Strike=130, Dip=69, Slip=90. Centroid, Moment Tensor (HRV): Centroid origin time 15:02:05.0; Lat 13.94 N; Lon 89.19 W; Dep 177.6; Half-duration 2.6 sec; Principal axes (scale 10**18 Nm): (T) Val=1.18, Plg=61, Azm=41; (N) Val=-0.11, Plg=3, Azm=137; (P) Val=-1.07, Plg=29, Azm=229; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=328, Dip=16, Slip=102; NP2: Strike=136, Dip=74, Slip=86.
18	15	30	12.1?	13.03	N	88.61	W	33	N	4.6	1.5	12	EL SALVADOR
18	15	44	24.9*	20.310	S	177.888	W	550	G	4.0	0.6	15	FIJI ISLANDS REGION
18	15	47	53.2*	42.268	N	144.424	E	33	N		0.9	10	HOKKAIDO, JAPAN REGION
18	16	49	02.9&	58.222	N	156.036	W	151		3.4		80	ALASKA PENINSULA. <AEIC>.
18	17	03	44.9	10.360	S	118.832	E	56	*		1.2	14	SOUTH OF SUMBAWA, INDONESIA
18	18	00	34.0	53.357	N	161.796	E	33	N	4.8	1.2	72	OFF EAST COAST OF KAMCHATKA
18	18	22	24.4?	36.57	N	70.95	E	250	G	3.6	1.2	12	HINDU KUSH REGION, AFGHANISTAN
18	18	34	21.1*	43.346	N	147.839	E	33	N	4.4	1.3	26	KURIL ISLANDS
18	19	03	48.6&	60.281	N	152.557	W	100				62	SOUTHERN ALASKA. <AEIC>.
18	19	07	26.4&	40.414	N	125.200	W	0				16	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. ML 3.1 (GM), 3.2 (BRK).
18	19	14	14.4	42.285	N	20.159	E	10	G		1.2	17	NORTHWESTERN BALKAN REGION
18	19	27	39.6	8.763	S	75.946	W	33	N	4.6	0.9	46	CENTRAL PERU
18	19	33	19.4*	0.964	S	136.399	E	33	N	4.7	1.1	21	IRIAN JAYA REGION, INDONESIA
18	19	45	58.9&	42.780	N	3.079	E	5	G		0.9	11	SPAIN. ML 2.9 (LDG).
18	19	48	02.6	54.762	N	161.659	E	33	N	4.0	0.6	18	NEAR EAST COAST OF KAMCHATKA
18	19	52	30.9?	15.02	N	60.44	W	33	N		0.1	6	LEEWARD ISLANDS. MD 3.2 (FDF).
18	20	05	05.0*	8.838	S	75.826	W	33	N	3.6	1.2	15	CENTRAL PERU
18	20	23	02.8	14.707	N	144.654	E	33	N	5.5 5.4	1.0	128	MARIANA ISLANDS. Mw 5.8 (HRV), 5.7 (GS). Felt on Saipan. Moment Tensor (GS): Dep 7; Principal axes (scale 10**17 Nm): (T) Val=4.30, Plg=22, Azm=6; (N) Val=0.88, Plg=42, Azm=118; (P) Val=-5.18, Plg=40, Azm=256; Best double couple: Mo=4.7*10**17 Nm; NP1: Strike=49, Dip=44, Slip=-164; NP2: Strike=307, Dip=79, Slip=-47. Centroid, Moment Tensor (HRV): Centroid origin time 20:23:05.2; Lat 14.58 N; Lon 144.53 E; Dep 15.0 Fix; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=5.87, Plg=10, Azm=24; (N) Val=-1.24, Plg=7, Azm=115; (P) Val=-5.63, Plg=78, Azm=239; Best double couple: Mo=6.2*10**17 Nm; NP1: Strike=105, Dip=35, Slip=-102; NP2: Strike=300, Dip=55, Slip=-82.
18	20	54	14.6*	9.756	S	160.173	E	33	N	4.3	1.0	23	SOLOMON ISLANDS
18	21	01	39.6?	9.75	S	160.28	E	33	N	4.0	0.8	7	SOLOMON ISLANDS
18	21	03	19.9	9.799	S	160.129	E	33	N	5.1 4.5	0.9	63	SOLOMON ISLANDS
18	21	19	36.0&	40.303	N	124.466	W	9		4.6		64	NEAR COAST OF NORTHERN CALIF. <GM-P>. Mw 4.6 (BRK). ML 4.4 (GM), 4.5 (BRK), 4.4 (GS). Felt at Arcata, Eureka, Ferndale, Fortuna, Honeydew and Petrolia. Moment Tensor (BRK): Dep 11; Principal axes (scale 10**16 Nm): (T) Val=1.01, Plg=23, Azm=58; (N) Val=0.00, Plg=67, Azm=231; (P) Val=-1.01, Plg=3, Azm=327; Best double couple: Mo=1.0*10**16 Nm; NP1: Strike=195, Dip=76, Slip=19; NP2:

Strike=100, Dip=72, Slip=165.

18	21	21	45.9%	44.366	N	7.364	E	10	G			0.3	8	NORTHERN ITALY. ML 2.0 (GEN).
18	21	32	34.0&	40.310	N	124.445	W	8					4	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.4 (GM).
18	21	32	59.8&	40.307	N	124.458	W	9		2.9			10	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM). ML 3.5 (BRK).
18	21	35	49.8*	14.540	N	145.088	E	33	N	4.1		1.1	13	MARIANA ISLANDS
18	21	38	07.1?	42.71	N	128.29	W	10	G			0.2	24	OFF COAST OF OREGON
18	22	02	49.8	39.346	N	15.199	E	306		3.6		1.2	39	SOUTHERN ITALY
18	22	47	48.4?	14.60	N	145.22	E	33	N	3.6		1.3	7	MARIANA ISLANDS
18	22	54	29.4?	3.80	S	140.80	E	33	N	4.0		1.3	7	IRIAN JAYA, INDONESIA
18	23	01	36.7?	3.60	S	140.31	E	33	N	3.8		1.4	8	IRIAN JAYA, INDONESIA
18	23	13	00.6?	4.37	S	142.20	E	33	N	3.6		0.8	6	NEW GUINEA, PAPUA NEW GUINEA
18	23	21	20.4	45.590	N	26.266	E	144		3.9		1.0	33	ROMANIA
18	23	24	17.0*	14.631	N	144.901	E	33	N	4.0		1.1	17	MARIANA ISLANDS
18	23	40	31.7*	64.969	S	176.981	E	10	G			0.9	9	BALLENY ISLANDS REGION
19	00	33	40.0&	40.305	N	124.490	W	9					7	NEAR COAST OF NORTHERN CALIF. <GM-P>. ML 3.3 (GM), 3.3 (BRK).
19	00	41	55.8	52.262	N	158.568	E	24	D	4.9		0.9	72	NEAR EAST COAST OF KAMCHATKA
19	01	07	20.9	5.996	S	147.167	E	45	D	5.2	5.2	0.9	103	EASTERN NEW GUINEA REG., P.N.G. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:07:27.7; Lat 6.09 S; Lon 147.44 E; Dep 50.0; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.17, Plg=86, Azm=276; (N) Val=-0.04, Plg=4, Azm=102; (P) Val=-2.13, Plg=0, Azm=12; Best double couple: Mo=2.2*10**17 Nm; NPl: Strike=98, Dip=45, Slip=85; NP2: Strike=286, Dip=46, Slip=95.
19	01	39	10.0%	34.227	S	70.492	W	100	G			0.2	12	CHILE-ARGENTINA BORDER REGION
19	01	47	23.5*	76.208	N	23.600	E	10	G	3.9		1.5	18	SVALBARD REGION
19	01	59	47.5%	42.074	S	85.395	E	10	G			0.6	6	SOUTHEAST INDIAN RIDGE
19	02	13	24.7*	6.288	S	150.433	E	33	N	4.1		1.2	7	NEW BRITAIN REGION, P.N.G.
19	02	32	00.0*	37.299	N	20.471	E	33	N	4.1		1.3	15	IONIAN SEA
19	02	34	08.7*	54.268	N	161.820	E	33	N	4.1		1.0	21	NEAR EAST COAST OF KAMCHATKA
19	02	39	53.5	54.043	N	161.957	E	33	N	4.4		0.8	22	NEAR EAST COAST OF KAMCHATKA
19	03	01	13.6?	28.64	S	178.45	W	33	N			1.1	12	KERMADEC ISLANDS REGION
19	03	41	26.1	44.350	N	6.798	E	5	G			0.4	24	FRANCE. ML 2.2 (LDG), 2.0 (STR).
19	04	13	27.9*	7.387	N	94.047	E	19	D			0.2	7	NICOBAR ISLANDS, INDIA
19	04	17	53.6*	7.634	N	94.306	E	20	D	4.0		1.0	16	NICOBAR ISLANDS, INDIA
19	04	44	44.2	7.466	N	94.218	E	19	D	5.0		1.1	48	NICOBAR ISLANDS, INDIA
19	04	48	00.0*	7.075	N	93.766	E	18	D	4.4		0.9	14	NICOBAR ISLANDS, INDIA
19	05	26	54.8?	5.62	S	146.69	E	33	N			0.6	5	EASTERN NEW GUINEA REG., P.N.G.
19	05	34	08.0	0.711	N	125.056	E	81	D	4.7		1.0	35	NORTHERN MOLUCCA SEA
19	05	50	32.1	7.479	N	94.228	E	18	D	4.7		1.0	26	NICOBAR ISLANDS, INDIA
19	06	18	14.7	23.057	S	63.685	W	531	*	4.8		0.8	24	SALTA PROVINCE, ARGENTINA
19	06	52	22.5?	7.43	N	94.83	E	33	N	4.0		0.3	6	NICOBAR ISLANDS, INDIA
19	07	07	00.6	36.433	N	117.600	W	5	G			0.8	31	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (GS), 3.7 (PAS).
19	07	10	10.5	2.846	N	125.172	E	33	N	4.7		1.1	20	TALAUD ISLANDS, INDONESIA
19	07	16	39.1	7.371	N	94.119	E	17	D	5.0		1.2	49	NICOBAR ISLANDS, INDIA
19	07	30	18.5?	7.76	S	129.57	E	150	G			1.4	7	BANDA SEA
19	08	45	01.5*	4.511	S	139.828	E	33	N	3.6		1.1	7	IRIAN JAYA, INDONESIA
19	08	51	02.2*	38.942	N	26.003	E	10	G			1.0	7	AEGEAN SEA. MD 3.5 (ISK).
19	09	37	43.3	53.894	N	161.789	E	33	N	4.9	4.4	0.9	87	OFF EAST COAST OF KAMCHATKA
19	09	47	15.4	53.939	N	161.798	E	33	N	4.6		0.9	33	OFF EAST COAST OF KAMCHATKA
19	10	04	29.5*	37.179	N	138.598	E	200				0.7	10	NEAR WEST COAST OF HONSHU, JAPAN
19	10	11	46.9	42.967	N	12.806	E	6		3.5		1.0	38	CENTRAL ITALY. ML 3.8 (STR), 3.7 (LDG), 3.6 (TRI).
19	10	36	19.0*	43.374	N	11.830	E	10	G			1.1	11	CENTRAL ITALY. ML 3.3 (LDG).
19	10	48	22.5&	37.633	N	118.887	W	6					2	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
19	11	44	29.3*	36.398	S	99.410	W	10	G	4.6		0.9	26	SOUTHERN PACIFIC OCEAN
19	12	14	28.7	51.076	N	178.916	E	33	N	4.6		1.1	62	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
19	12	27	27.8?	42.99	N	1.69	W	5	G			0.5	7	PYRENEES. ML 2.6 (LDG), 2.4 (STR).
19	12	32	07.4?	39.17	N	28.03	E	10	G			0.9	4	TURKEY. MD 2.7 (ISK).
19	12	52	52.5%	32.687	S	71.793	W	10	G			0.6	12	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
19	12	59	01.6	17.509	N	61.910	W	10	G			0.5	7	LEEWARD ISLANDS. MD 2.8 (TRN).
19	13	07	53.4	36.245	N	136.106	E	16	D	4.6		1.1	38	NEAR WEST COAST OF HONSHU, JAPAN. Felt (IV JMA) in western Fukui, (II JMA) in Toyama and (I JMA) in parts of Aichi, Kyoto and Nagano Prefectures.
19	13	32	05.5?	19.37	S	176.27	W	234	D	3.6		1.1	11	FIJI ISLANDS REGION
19	14	40	59.1?	4.75	N	127.05	E	33	N	4.2		0.9	10	TALAUD ISLANDS, INDONESIA
19	14	49	25.1?	51.85	N	179.26	W	33	N	4.4		1.3	11	ANDREANOF ISLANDS, ALEUTIAN IS.
19	15	32	37.3*	36.909	N	3.369	W	10	G	4.1		0.9	11	STRAIT OF GIBRALTAR
19	16	03	44.3*	10.140	S	161.171	E	77	D	4.0		1.1	13	SOLOMON ISLANDS
19	17	01	27.7?	33.92	S	179.37	W	33	N	4.0		0.8	9	SOUTH OF KERMADEC ISLANDS
19	17	11	57.5?	22.32	N	93.50	E	33	N			1.6	6	MYANMAR-INDIA BORDER REGION
19	17	21	15.2	38.698	S	175.671	E	158		3.6		1.0	30	NORTH ISLAND, NEW ZEALAND
19	17	23	30.7*	21.032	S	179.105	W	600	G	4.3		1.1	19	FIJI ISLANDS REGION
19	17	30	16.0*	57.356	S	25.710	W	33	N			1.3	15	SOUTH SANDWICH ISLANDS REGION
19	17	45	03.6&	37.638	N	118.973	W	7					31	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.8 (GM), 3.9 (BRK), 3.8 (GS).
19	17	50	34.4%	7.313	N	93.880	E	33	N			0.7	7	NICOBAR ISLANDS, INDIA
19	18	06	38.3	40.648	N	33.495	E	10	G	3.4		0.8	16	TURKEY. MD 3.9 (ISK).
19	18	09	21.6*	3.997	S	136.672	E	33	N	4.1		0.9	8	IRIAN JAYA, INDONESIA
19	18	23	59.6*	8.006	S	117.749	E	33	N	4.1		1.4	15	SUMBAWA REGION, INDONESIA
19	19	42	52.0%	11.089	N	60.777	W	33	N			0.8	5	WINDWARD ISLANDS. MD 2.5 (TRN).
19	20	25	19.3*	4.841	S	151.859	E	100	G	4.2		0.9	11	NEW BRITAIN REGION, P.N.G.
19	20	30	26.8%	44.604	N	7.026	E	10	G			0.3	5	NORTHERN ITALY. ML 1.7 (GEN).
19	20	33	42.0%	36.191	N	29.208	E	33	N			0.7	6	TURKEY. MD 3.5 (ISK).
19	20	40	29.3*	36.325	N	70.899	E	228	*	3.0		1.0	12	HINDU KUSH REGION, AFGHANISTAN
19	22	11	54.1	11.336	S	118.815	E	33	N	4.8		1.3	27	SOUTH OF SUMBAWA, INDONESIA
19	22	12	54.3&	62.772	N	149.662	W	76					53	CENTRAL ALASKA. <AEIC>.
19	22	51	43.3	51.124	N	178.928	E	33	N	4.2		1.1	35	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR).
19	23	17	12.0&	59.506	N	153.186	W	100					66	SOUTHERN ALASKA. <AEIC>.
19	23	18	12.9?	41.38	N	127.20	W	10	G	3.1		1.4	6	OFF COAST OF NORTHERN CALIFORNIA
19	23	27	41.1	0.750	S	121.688	E	33	N	4.6		1.2	39	MINAHASSA PENINSULA, SULAWESI
20	00	39	59.5	56.212	N	164.079	E	33	N	4.8		0.9	75	KOMANDORSKY ISLANDS REGION
20	01	00	50.3	40.354	N	143.724	E	33	N	4.2		1.0	23	OFF EAST COAST OF HONSHU, JAPAN

20	01	07	27.1	43.255	N	100.015	E	100	G	4.7	1.0	42	MONGOLIA
20	01	18	58.3*	7.054	S	146.487	E	10	G		1.1	8	EASTERN NEW GUINEA REG., P.N.G.
20	01	20	45.5*	23.638	S	67.794	W	100	G	4.2	1.0	25	CHILE-ARGENTINA BORDER REGION
20	04	21	36.6?	11.77	N	87.79	W	33	N	4.5	1.4	13	NEAR COAST OF NICARAGUA
20	04	22	35.5	50.701	N	129.922	W	10	G	4.0	1.0	68	VANCOUVER ISLAND REGION. ML 3.9 (PGC).
20	04	22	35.6	51.665	N	16.188	E	5	G		0.9	24	POLAND ML 3.7 (GRF), 3.4 (VIE).
20	05	35	00.7&	63.344	N	145.272	W	4				21	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
20	06	09	30.6*	14.536	N	121.331	E	100	G	3.8	0.9	9	LUZON, PHILIPPINE ISLANDS
20	06	33	42.7	6.327	S	104.085	E	71	*	5.0	0.9	43	SUNDA STRAIT
20	07	02	47.9	44.575	N	7.169	E	10	G		0.2	19	NORTHERN ITALY. ML 2.3 (GEN), 2.3 (LDG), 2.1 (STR).
20	07	40	29.4*	5.846	N	94.249	E	100	G		0.9	11	NORTHERN SUMATERA, INDONESIA
20	08	57	14.8	3.358	S	135.393	E	33	N	4.2	0.8	14	IRIAN JAYA REGION, INDONESIA
20	09	23	27.7*	22.338	S	65.828	W	314	*	4.0	0.6	12	JUJUY PROVINCE, ARGENTINA
20	09	31	01.1&	49.545	N	6.056	E	10	G		0.6	5	GERMANY. ML 2.4 (LDG).
20	10	35	40.2	34.464	N	24.262	E	33	N	4.2	1.2	74	CRETE
20	11	08	29.9	42.957	N	84.033	E	33	N	5.0	1.0	87	NORTHERN XINJIANG, CHINA
20	11	48	01.2	46.976	N	5.794	E	10	G		1.0	23	FRANCE. ML 2.7 (LDG), 2.6 (STR).
20	12	48	06.0&	59.762	N	152.737	W	101				29	SOUTHERN ALASKA. <AEIC>.
20	12	54	25.2	10.881	N	62.549	W	119	D	4.0	1.1	38	NEAR COAST OF VENEZUELA
20	13	10	45.7*	45.663	N	154.027	E	33	N	3.7	0.6	7	EAST OF KURIL ISLANDS
20	13	26	31.5	53.424	N	152.762	E	614	D	5.1	0.7	417	SEA OF OKHOTSK. Mw 5.9 (GS), 5.9 (HRV). Moment Tensor (GS): Dep 612; Principal axes (scale 10**17 Nm): (T) Val=7.38, Plg=4, Azm=12; (N) Val=2.42, Plg=16, Azm=103; (P) Val=-9.80, Plg=74, Azm=269; Best double couple: Mo=8.6*10**17 Nm; NP1: Strike=86, Dip=43, Slip=-113; NP2: Strike=297, Dip=51, Slip=-70. Centroid, Moment Tensor (HRV): Centroid origin time 13:26:34.9; Lat 53.40 N; Lon 152.71 E; Dep 622.9; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=8.36, Plg=1, Azm=7; (N) Val=0.45, Plg=18, Azm=98; (P) Val=-8.81, Plg=72, Azm=276; Best double couple: Mo=8.6*10**17 Nm; NP1: Strike=80, Dip=47, Slip=-115; NP2: Strike=294, Dip=48, Slip=-65.
20	13	35	24.2*	54.255	N	162.010	E	33	N	4.5	0.9	14	NEAR EAST COAST OF KAMCHATKA
20	15	45	44.1	10.141	N	126.028	E	33	N	5.0	1.0	72	PHILIPPINE ISLANDS REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:45:48.8; Lat 9.85 N; Lon 126.19 E; Dep 48.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.89, Plg=63, Azm=328; (N) Val=-1.96, Plg=17, Azm=201; (P) Val=-6.93, Plg=20, Azm=105; Best double couple: Mo=7.9*10**16 Nm; NP1: Strike=168, Dip=29, Slip=53; NP2: Strike=29, Dip=67, Slip=108.
20	16	48	03.5*	10.665	N	63.440	W	33	N	4.3	1.2	21	NEAR COAST OF VENEZUELA. MD 4.2 (TRN).
20	18	21	48.2*	13.999	N	144.566	E	200	G	4.4	1.1	13	MARIANA ISLANDS
20	18	35	16.3*	54.205	N	161.938	E	33	N	4.6	1.1	27	NEAR EAST COAST OF KAMCHATKA
20	18	41	01.2	44.208	N	7.399	E	10	G		0.5	31	NORTHERN ITALY. ML 2.7 (GEN), 2.6 (LDG), 2.5 (STR).
20	19	12	54.8	3.968	S	130.699	E	33	N	4.7	1.1	38	SERAM, INDONESIA
20	19	22	50.8	14.734	N	144.915	E	33	N	5.0	1.3	51	MARIANA ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:22:54.1; Lat 14.37 N; Lon 144.58 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.09, Plg=20, Azm=35; (N) Val=-0.13, Plg=26, Azm=295; (P) Val=-0.96, Plg=56, Azm=159; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=162, Dip=34, Slip=-38; NP2: Strike=285, Dip=70, Slip=-118.
20	19	30	46.8*	14.659	N	144.779	E	33	N	4.5	1.2	28	MARIANA ISLANDS
20	20	14	48.6&	41.146	S	174.995	E	33	N		0.2	10	COOK STRAIT, NEW ZEALAND. ML 3.5 (WEL).
20	20	58	56.4*	32.159	N	142.627	E	33	N	4.3	0.8	31	SOUTH OF HONSHU, JAPAN
20	21	00	26.2	12.119	N	141.113	E	150	D	4.8	1.3	44	SOUTH OF MARIANA ISLANDS
20	21	17	54.8	12.311	N	141.212	E	33	N	5.1	1.1	42	SOUTH OF MARIANA ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:17:56.1; Lat 12.25 N; Lon 140.93 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.44, Plg=18, Azm=335; (N) Val=-0.20, Plg=3, Azm=66; (P) Val=-1.23, Plg=71, Azm=165; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=60, Dip=27, Slip=-97; NP2: Strike=248, Dip=64, Slip=-87.
20	21	40	50.2	67.578	N	11.330	E	10	G	4.7	1.2	14	NORWEGIAN SEA
20	21	50	53.9*	55.205	N	161.828	E	33	N	4.0	0.9	17	NEAR EAST COAST OF KAMCHATKA
20	22	18	18.6&	62.634	N	148.696	W	48				37	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
20	22	37	09.1?	12.28	N	141.49	E	33	N	3.9	0.9	8	SOUTH OF MARIANA ISLANDS
20	23	21	51.7*	36.348	N	71.611	E	131	?	4.2	1.3	23	AFGHANISTAN-TAJIKISTAN BORD REG.
21	00	10	35.8*	30.628	N	132.250	E	33	N	3.8	0.9	11	SOUTHEAST OF SHIKOKU, JAPAN
21	00	30	24.0*	52.699	N	167.232	W	33	N	3.8	0.5	8	FOX ISLANDS, ALEUTIAN ISLANDS
21	01	59	48.8*	2.728	S	146.925	E	33	N	4.1	1.0	11	ADMIRALTY ISLANDS REGION, P.N.G.
21	02	20	00.6*	43.153	N	12.267	E	10	G		0.8	17	CENTRAL ITALY. ML 3.2 (VIE), 3.1 (LDG).
21	02	20	34.8&	45.674	N	118.835	W	3				16	OREGON. <SEA-P>. MD 2.6 (SEA).
21	02	50	57.5&	18.581	N	66.542	W	80	G		0.3	9	PUERTO RICO REGION. MD 3.1 (MPR).
21	02	58	29.6*	25.288	N	124.405	E	100	G	4.7	1.2	23	NORTHEAST OF TAIWAN
21	03	55	01.5?	53.72	N	165.81	W	33	N	3.3	1.4	6	FOX ISLANDS, ALEUTIAN ISLANDS
21	04	40	04.4*	3.020	S	147.157	E	60	*	4.5	1.2	25	BISMARCK SEA
21	04	40	43.9	44.053	N	146.998	E	99	D	4.3	0.8	45	KURIL ISLANDS. Felt (III) at Yuzhno-Kurilsk.
21	04	49	28.3?	2.74	S	146.79	E	33	N	4.3	1.2	9	ADMIRALTY ISLANDS REGION, P.N.G.
21	04	52	16.4&	44.385	N	7.345	E	10	G		0.5	8	NORTHERN ITALY. ML 2.0 (GEN).
21	05	16	19.1	24.141	N	123.063	E	33	N	4.9	0.9	43	SOUTHWESTERN RYUKYU ISLANDS. Felt (I JMA) in the epicentral area.
21	05	44	29.1	35.968	N	31.282	E	10	G		1.0	19	CYPRUS REGION. MD 3.8 (ISK).
21	07	01	27.4	56.576	N	117.134	E	33	N	4.6	0.8	34	EAST OF LAKE BAYKAL, RUSSIA
21	08	09	21.3	3.223	N	122.602	E	550	G	4.9	1.2	52	CELEBES SEA
21	08	51	49.8*	8.151	S	119.829	E	200	G	4.0	1.4	12	FLORES REGION, INDONESIA
21	10	14	49.4&	31.983	N	123.424	E	33	N		1.3	10	OFF COAST OF EASTERN CHINA
21	11	29	59.7*	55.740	N	163.090	E	33	N	4.3	1.2	24	OFF EAST COAST OF KAMCHATKA
21	12	29	34.6?	51.54	N	178.54	W	33	N	3.2	1.2	9	ANDREANOF ISLANDS, ALEUTIAN IS.

21	12	47	54.6?	54.08	N	161.66	E	33	N	3.6	1.3	11	NEAR EAST COAST OF KAMCHATKA
21	12	55	35.4%	17.844	N	66.847	W	20	G		0.5	6	PUERTO RICO REGION. MD 2.3 (MPR).
21	13	22	56.5*	55.547	S	26.473	W	33	N	4.8	0.9	11	SOUTH SANDWICH ISLANDS REGION
21	13	28	49.6*	51.043	N	15.868	E	5	G		1.2	5	POLAND
21	13	48	19.1*	13.168	N	59.238	W	33	N		0.4	13	WINDWARD ISLANDS. MD 4.1 (TRN), 3.8 (FDF).
21	13	48	56.4	42.828	N	0.652	E	5	G		0.9	16	PYRENEES. ML 2.8 (LDG), 2.4 (STR).
21	14	12	31.3*	19.644	S	177.451	W	500	G	4.2	0.9	15	FIJI ISLANDS REGION
21	14	16	11.8&	38.409	N	119.559	W	11				12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
21	15	56	42.0*	35.143	N	71.338	E	128	D	4.0	1.2	15	PAKISTAN
21	17	33	14.7	24.403	S	178.845	E	600	G	4.6	1.0	43	SOUTH OF FIJI ISLANDS
21	18	20	29.2	16.297	N	98.640	W	33	N	4.2	1.3	50	NEAR COAST OF GUERRERO, MEXICO. MD 4.5 (UNM).
21	18	20	55.9&	63.305	N	151.102	W	10				70	CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC), 3.8 (PMR).
21	19	05	38.7%	33.094	S	70.249	W	100	G		0.3	10	CHILE-ARGENTINA BORDER REGION
21	21	03	34.7	43.249	N	146.400	E	33	N	5.3 4.6	0.8	267	KURIL ISLANDS. Mw 5.2 (HRV). Felt (V) at Yuzhno-Kurilsk, Kunashir and (IV) on Shikotan. Also felt (II JMA) in eastern Hokkaido. Centroid, Moment Tensor (HRV): Centroid origin time 21:03:38.2; Lat 43.19 N; Lon 147.05 E; Dep 58.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.07, Plg=19, Azm=252; (N) Val=-0.15, Plg=19, Azm=349; (P) Val=-5.92, Plg=63, Azm=120; Best double couple: Mo=6.0*10**16 Nm; NP1: Strike=315, Dip=31, Slip=-128; NP2: Strike=177, Dip=66, Slip=-70.
21	23	33	56.9*	34.199	N	141.709	E	33	N		0.9	6	OFF EAST COAST OF HONSHU, JAPAN
22	00	01	08.5*	52.700	N	160.474	E	33	N	4.0	0.7	16	OFF EAST COAST OF KAMCHATKA
22	00	40	34.4?	49.71	N	178.57	W	33	N	3.3	0.6	8	SOUTH OF ALEUTIAN ISLANDS
22	01	04	20.3&	37.575	N	118.833	W	5				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (GS).
22	01	59	15.8?	51.21	N	179.36	E	33	N	3.7	1.2	7	RAT ISLANDS, ALEUTIAN ISLANDS
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 7.2 (HRV), 7.0 (GS). Me 7.1 (GS). mb 6.4 (BRK). Some minor damage at Lae. Felt at Madang, Morobe, Port Moresby and on New Britain. Broadband Source Parameters (GS): NP1: Strike=190, Dip=55, Slip=-70; NP2: Strike=338, Dip=40, Slip=-116; Radiated energy 8.7*10**14 Nm. Complex event. Moment Tensor (GS): Dep 164; Principal axes (scale 10**19 Nm): (T) Val=4.07, Plg=6, Azm=265; (N) Val=-0.03, Plg=12, Azm=356; (P) Val=-4.05, Plg=77, Azm=150; Best double couple: Mo=4.1*10**19 Nm; NP1: Strike=342, Dip=41, Slip=-108; NP2: Strike=186, Dip=52, Slip=-75. Centroid, Moment Tensor (HRV): Centroid origin time 02:06:01.8; Lat 5.56 S; Lon 148.05 E; Dep 196.5; Half-duration 8.7 sec; Principal axes (scale 10**19 Nm): (T) Val=5.65, Plg=5, Azm=271; (N) Val=1.19, Plg=62, Azm=11; (P) Val=-6.84, Plg=27, Azm=178; Best double couple: Mo=6.2*10**19 Nm; NP1: Strike=318, Dip=67, Slip=-164; NP2: Strike=221, Dip=75, Slip=-24. Scalar Moment (PPT): Mo=5.6*10**19 Nm.
22	03	05	08.8?	2.88	S	139.83	E	33	N	4.1	1.4	7	NEAR NORTH COAST OF IRIAN JAYA
22	04	22	23.3%	43.473	N	0.606	W	5	G		0.6	5	PYRENEES. ML 2.3 (LDG).
22	05	22	05.6	17.297	N	101.036	W	10	G	5.1 5.0	1.2	150	NEAR COAST OF GUERRERO, MEXICO. MD 4.7 (UNM). Felt at Mexico City.
22	05	56	44.1*	17.318	N	101.081	W	10	G	3.8	1.4	18	NEAR COAST OF GUERRERO, MEXICO. MD 4.4 (UNM).
22	06	15	45.0	59.204	S	26.175	W	102	D	5.1	0.8	55	SOUTH SANDWICH ISLANDS REGION
22	06	18	51.8%	44.402	N	7.489	E	10	G		0.2	5	NORTHERN ITALY. ML 1.7 (GEN).
22	06	41	22.0?	9.68	N	126.08	E	33	N	3.8	1.0	5	MINDANAO, PHILIPPINE ISLANDS
22	06	46	11.8?	19.90	S	175.57	W	252	?	4.2	1.0	13	TONGA ISLANDS
22	06	46	26.8?	17.04	N	101.08	W	100	G		1.2	10	NEAR COAST OF GUERRERO, MEXICO. MD 4.2 (UNM).
22	07	42	07.7%	15.016	N	54.460	E	10	G		1.0	10	ARABIAN SEA
22	08	52	43.9*	7.072	S	145.401	E	33	N	3.2	1.0	8	NEAR S COAST OF NEW GUINEA, PNG.
22	09	34	56.6%	40.800	N	27.920	E	10	G		0.5	6	TURKEY. MD 2.9 (ISK).
22	09	34	59.3*	24.953	N	98.200	E	33	N		0.7	8	MYANMAR-CHINA BORDER REGION
22	09	50	58.4*	19.416	S	177.796	W	400	G	4.1	0.9	34	FIJI ISLANDS REGION
22	10	03	45.1	13.742	N	90.316	W	59	D	5.1	1.3	187	NEAR COAST OF GUATEMALA. Mw 6.1 (HRV), 6.0 (GS). MD 5.2 (UNM). Felt in western El Salvador and at San Salvador. Moment Tensor (GS): Dep 49; Principal axes (scale 10**18 Nm): (T) Val=1.30, Plg=58, Azm=20; (N) Val=-0.01, Plg=13, Azm=132; (P) Val=-1.29, Plg=29, Azm=229; Best double couple: Mo=1.3*10**18 Nm; NP1: Strike=351, Dip=20, Slip=131; NP2: Strike=128, Dip=75, Slip=77. Centroid, Moment Tensor (HRV): Centroid origin time 10:03:51.1; Lat 13.62 N; Lon 90.84 W; Dep 55.9; Half-duration 2.7 sec; Principal axes (scale 10**18 Nm): (T) Val=1.36, Plg=54, Azm=64; (N) Val=0.16, Plg=20, Azm=304; (P) Val=-1.52, Plg=29, Azm=203; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=251, Dip=24, Slip=34; NP2: Strike=129, Dip=77, Slip=111.
22	10	25	14.2	13.093	N	125.188	E	33	N	4.8	1.0	45	PHILIPPINE ISLANDS REGION
22	10	28	10.6?	13.14	N	125.18	E	33	N	4.6	1.5	11	PHILIPPINE ISLANDS REGION
22	10	44	44.0*	55.784	N	162.948	E	33	N	3.8	1.3	14	NEAR EAST COAST OF KAMCHATKA
22	10	58	52.7*	0.693	N	125.227	E	33	N	4.7	1.5	22	NORTHERN MOLUCCA SEA
22	12	53	23.9*	13.135	N	125.052	E	33	N	4.5	1.1	17	PHILIPPINE ISLANDS REGION
22	13	17	46.5*	13.653	N	90.587	W	73	D	4.6	1.4	29	NEAR COAST OF GUATEMALA. Felt in western El Salvador and at San Salvador.
22	13	53	39.5?	44.36	N	7.41	E	10	G		0.3	4	NORTHERN ITALY. ML 1.6 (GEN).
22	14	25	09.3?	23.08	S	171.69	E	33	N	4.1	1.1	8	LOYALTY ISLANDS REGION
22	14	45	04.3&	32.006	N	115.365	W	6	G			4	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.2 (PAS). MD 3.1 (ECX).
22	14	58	49.5&	59.914	N	152.245	W	76				36	SOUTHERN ALASKA. <AEIC>.
22	15	01	02.1?	34.59	S	72.28	W	20	G		0.7	9	NEAR COAST OF CENTRAL CHILE
22	15	28	05.1*	34.922	N	86.103	E	33	N	3.6	1.1	11	XIZANG
22	16	00	48.2	44.682	N	6.774	E	5	G		0.6	21	FRANCE. ML 2.2 (GEN), 2.1 (LDG), 1.9 (STR).
22	16	32	00.2	40.132	N	142.329	E	46	D	5.3 4.8	0.8	265	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.4 (HRV). Felt (III

JMA) in eastern Aomori Prefecture; (II JMA) in northern Miyagi and much of Iwate Prefectures; (I JMA) in eastern Akita Prefecture. Also felt (I JMA) in southern Hokkaido. Centroid, Moment Tensor (HRV): Centroid origin time 16:32:04.1; Lat 40.10 N; Lon 142.44 E; Dep 42.7; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.38, Plg=69, Azm=298; (N) Val=0.23, Plg=3, Azm=199; (P) Val=-1.61, Plg=21, Azm=108; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=192, Dip=25, Slip=82; NP2: Strike=20, Dip=66, Slip=94.

22	16	49	52.9	14.901	N	119.921	E	33	N	5.3	5.0	0.9	153	LUZON, PHILIPPINE ISLANDS. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:49:58.9; Lat 15.14 N; Lon 119.69 E; Dep 32.4; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=2.56, Plg=67, Azm=132; (N) Val=-0.01, Plg=8, Azm=22; (P) Val=-2.55, Plg=21, Azm=289; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=4, Dip=25, Slip=70; NP2: Strike=206, Dip=67, Slip=99.
22	17	33	54.8	38.825	N	25.799	E	10	G	4.1		0.9	54	AEGEAN SEA. MD 4.0 (ISK).
22	18	15	53.0*	4.363	S	142.859	E	113	*	3.6		0.8	7	NEW GUINEA, PAPUA NEW GUINEA
22	18	25	47.9&	37.631	N	118.874	W	6					13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (GS).
22	19	05	04.4	54.789	N	160.830	W	33	N	5.2	4.9	0.9	206	ALASKA PENINSULA. Mw 5.5 (HRV). ML 5.2 (PMR). Felt at Cold Bay, King Cove, Perryville and Sand Point. Centroid, Moment Tensor (HRV): Centroid origin time 19:05:06.6; Lat 54.26 N; Lon 160.24 W; Dep 31.5; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.68, Plg=70, Azm=313; (N) Val=0.40, Plg=5, Azm=58; (P) Val=-2.08, Plg=19, Azm=150; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=248, Dip=27, Slip=102; NP2: Strike=55, Dip=64, Slip=84.
22	19	08	03.2	43.078	N	143.383	E	115	D	5.3		0.8	317	HOKKAIDO, JAPAN REGION. Felt (III JMA) in southeastern Hokkaido and (I JMA) in eastern Aomori, northern Miyagi and much of Iwate Prefectures, Honshu.
22	19	15	12.4&	54.447	N	160.630	W	25					12	ALASKA PENINSULA. <AEIC>. ML 3.4 (AEIC).
22	19	26	28.4?	34.43	S	179.61	W	33	N	4.1		1.3	13	SOUTH OF KERMADEC ISLANDS
22	20	15	35.4?	44.88	N	6.60	E	5	G			0.1	4	FRANCE. ML 1.7 (LDG).
22	20	37	52.6&	63.297	N	151.003	W	15					40	CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.7 (PMR).
22	20	51	45.2	5.962	S	148.231	E	87	*	4.7		0.9	28	NEW BRITAIN REGION, P.N.G.
22	20	51	49.9?	19.83	N	69.09	W	56	D	3.7		1.3	7	DOMINICAN REPUBLIC REGION
22	21	47	51.9*	13.032	N	124.796	E	33	N	3.6		0.7	9	LUZON, PHILIPPINE ISLANDS
22	22	14	01.9*	15.610	S	178.112	W	400	G	3.8		0.6	17	FIJI ISLANDS REGION
22	22	23	36.2%	38.499	S	175.753	E	200	G			0.4	16	NORTH ISLAND, NEW ZEALAND
22	22	51	30.9?	31.62	S	177.34	W	100	G	4.8		1.1	14	KERMADEC ISLANDS REGION
22	23	03	00.5&	61.275	N	152.007	W	115					32	SOUTHERN ALASKA. <AEIC>.
23	01	34	09.5?	39.87	N	70.90	E	24	D	3.8		1.4	11	TAJIKISTAN
23	02	35	54.0	24.026	N	122.298	E	100	G	4.5		0.9	26	TAIWAN REGION
23	03	05	30.7	6.063	S	147.182	E	65		4.9		1.1	75	EASTERN NEW GUINEA REG., P.N.G. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:05:33.1; Lat 6.12 S; Lon 147.49 E; Dep 52.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.22, Plg=75, Azm=11; (N) Val=1.11, Plg=1, Azm=105; (P) Val=-6.34, Plg=15, Azm=195; Best double couple: Mo=5.8*10**16 Nm; NP1: Strike=286, Dip=30, Slip=92; NP2: Strike=104, Dip=60, Slip=89.
23	03	15	12.8%	34.356	S	70.938	W	80	G			0.2	12	CHILE-ARGENTINA BORDER REGION
23	03	20	00.0?	15.40	S	174.18	W	100	G	3.7		0.3	8	TONGA ISLANDS
23	03	44	37.3?	5.79	S	147.10	E	33	N	3.8		1.5	10	EASTERN NEW GUINEA REG., P.N.G.
23	04	01	56.9	3.884	N	122.933	E	550	G	4.5		0.8	26	CELEBES SEA
23	04	15	05.2*	33.840	N	75.209	E	33	N	4.2		1.4	15	EASTERN KASHMIR
23	04	32	54.3?	5.27	N	126.10	E	200	G	3.8		1.2	8	MINDANAO, PHILIPPINE ISLANDS
23	05	46	09.3?	51.49	N	16.06	E	5	G			0.9	9	POLAND. ML 3.2 (VIE).
23	06	18	16.4*	36.090	N	140.907	E	48	D	4.0		1.1	19	NEAR EAST COAST OF HONSHU, JAPAN
23	06	36	22.3?	0.13	S	123.05	E	100	G	4.5		1.1	13	MINAHASSA PENINSULA, SULAWESI
23	06	46	22.6&	60.313	N	153.079	W	134					39	SOUTHERN ALASKA. <AEIC>.
23	07	43	04.1*	30.901	N	137.553	E	500	G	3.3		1.0	13	SOUTH OF HONSHU, JAPAN
23	08	32	20.0*	0.920	S	125.619	E	68	*	3.9		1.0	15	SOUTHERN MOLUCCA SEA
23	09	05	24.2	38.812	N	25.964	E	10	G	4.2		1.0	84	AEGEAN SEA. MD 4.1 (ISK).
23	09	15	46.6%	34.200	S	70.926	W	80	G			0.2	12	CHILE-ARGENTINA BORDER REGION
23	09	52	00.2	13.139	N	125.161	E	33	N	5.0		1.1	51	PHILIPPINE ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:52:01.1; Lat 12.75 N; Lon 125.25 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.70, Plg=17, Azm=71; (N) Val=0.46, Plg=35, Azm=328; (P) Val=-1.17, Plg=50, Azm=183; Best double couple: Mo=9.4*10**16 Nm; NP1: Strike=201, Dip=41, Slip=-30; NP2: Strike=314, Dip=71, Slip=-127.
23	10	02	58.5	13.126	N	125.240	E	33	N	5.1		1.1	57	PHILIPPINE ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:02:59.7; Lat 13.13 N; Lon 125.43 E; Dep 31.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.42, Plg=35, Azm=223; (N) Val=2.33, Plg=19, Azm=327; (P) Val=-9.75, Plg=48, Azm=80; Best double couple: Mo=8.6*10**16 Nm; NP1: Strike=259, Dip=20, Slip=-160; NP2: Strike=150, Dip=83, Slip=-71.
23	10	41	35.1%	45.305	N	5.714	E	5	G			1.0	7	FRANCE. ML 1.9 (LDG).
23	11	08	02.2	40.837	N	139.531	E	33	N	3.5		0.9	12	NEAR WEST COAST OF HONSHU, JAPAN
23	11	36	14.5*	13.066	N	125.128	E	33	N	4.5		0.6	12	PHILIPPINE ISLANDS REGION
23	12	21	57.9%	32.533	S	70.991	W	80	G			0.3	13	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
23	13	11	14.0&	59.880	N	153.551	W	139					35	SOUTHERN ALASKA. <AEIC>.
23	13	11	32.8	4.498	S	144.529	E	188		4.6		0.8	22	NEAR N COAST OF NEW GUINEA, PNG.
23	13	20	04.4?	15.27	S	175.70	W	250	G	4.3		0.7	14	TONGA ISLANDS
23	13	27	17.0%	34.337	S	70.238	W	10	G			0.6	11	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).

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23  13 31 13.2? 13.10  N  125.25  E   33 N  3.7        0.9   10  PHILIPPINE ISLANDS REGION
23  14 16 55.7* 8.240  S  109.954 E  110 D  4.3        0.8   16  JAWA, INDONESIA
23  14 35 17.1* 54.642 N  161.475 E   33 N  4.4        1.2   30  NEAR EAST COAST OF KAMCHATKA
23  15 06 35.8* 13.166 N  125.228 E   33 N  4.3        0.8   15  PHILIPPINE ISLANDS REGION
23  15 17 09.1? 51.56  N  175.84  W   33 N  3.7        1.1    6  ANDREANOF ISLANDS, ALEUTIAN IS.
23  15 59 32.8? 54.83  N  161.63  E   33 N  4.2        1.5   11  NEAR EAST COAST OF KAMCHATKA
23  17 08 27.8* 13.183 N  125.256 E   33 N  4.3        0.8   16  PHILIPPINE ISLANDS REGION
23  17 24 30.0? 38.95  N   26.63  E   10 G              0.4    5  AEGEAN SEA. MD 3.3 (ISK).
23  17 29 41.7* 23.731 N  141.841 E  139 D  3.9        0.4   11  VOLCANO ISLANDS REGION
23  17 39 25.1* 14.866 N  120.198 E   33 N  4.2        0.9   12  LUZON, PHILIPPINE ISLANDS
23  17 47 51.0* 10.521 N  125.744 E  106 D  4.5        1.1   20  LEYTE, PHILIPPINE ISLANDS
23  17 52 53.2* 28.699 N  139.417 E  460 *  3.7        0.7   12  BONIN ISLANDS REGION
23  18 00 06.6? 30.01  S  177.37  W   33 N  3.6        0.5    6  KERMADEC ISLANDS, NEW ZEALAND
23  18 40 10.8   4.706 S  149.657 E  593 D  4.7        0.9   51  BISMARCK SEA
23  18 54 09.0& 60.458 N  142.936 W    7                      36  SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 2.9 (PGC).
23  18 59 53.7* 1.117  N  128.683 E   33 N  4.2        1.2   11  HALMAHERA, INDONESIA
23  19 08 15.2& 59.976 N  152.908 W  115                    32  SOUTHERN ALASKA. <AEIC>.
23  19 13 36.4* 50.245 N   18.848 E    5 G              0.6    6  POLAND. ML 3.3 (VIE), 3.0 (CLL).
23  19 55 38.8* 0.247  S   18.475 W   10 G  4.3        0.8   12  CENTRAL MID-ATLANTIC RIDGE
23  22 49 55.7* 50.085 N   29.073 W   10 G  4.3 3.7     1.2   21  NORTHERN MID-ATLANTIC RIDGE
23  23 15 35.0* 20.029 S   68.846 W  114 D  4.0        0.9   14  CHILE-BOLIVIA BORDER REGION
23  23 22 42.1* 54.347 N  160.768 E   33 N  3.8        1.1   14  NEAR EAST COAST OF KAMCHATKA
23  23 33 17.8*  4.723 S  149.591 E  600 G  4.4        0.9   27  BISMARCK SEA
23  23 48 57.5?  8.73  S  127.13  E   33 N  4.3        1.3    7  TIMOR REGION, INDONESIA
23  23 52 19.0  13.144 N  125.191 E   33 N  5.0 4.2     1.1   46  PHILIPPINE ISLANDS REGION
24  00 05 34.8? 34.26  S  178.06  W   33 N  4.4        1.0   14  SOUTH OF KERMADEC ISLANDS
24  00 18 55.9? 23.74  S  179.60  E  500 G  4.3        0.6   13  SOUTH OF FIJI ISLANDS
24  00 56 21.8* 11.998 N  143.389 E  100 G  4.3        1.2   25  SOUTH OF MARIANA ISLANDS
24  01 14 40.8* 38.123 S  175.853 E  300 G              0.9   13  NORTH ISLAND, NEW ZEALAND
24  01 26 50.7* 16.171 N   98.698 W   10 G  4.1        1.3   30  NEAR COAST OF GUERRERO, MEXICO. MD 4.5 (UNM).
24  02 05 30.2*  7.829 S  158.727 E   50 D  4.3        1.0   26  SOLOMON ISLANDS
24  03 27 19.7?  1.50  S  149.52  E   33 N  3.6        1.1    6  NEW IRELAND REGION, P.N.G.
24  03 32 06.2%  8.889 N   79.494 W   10 G              1.5    5  PANAMA. MD 3.0 (UPA).
24  03 59 41.1* 46.443 N   15.217 E   10 G              0.7    5  NORTHWESTERN BALKAN REGION. ML 1.2 (LJU).
24  05 16 14.2* 20.342 S  113.382 W   10 G  5.1 5.0     1.3   46  SOUTHERN EAST PACIFIC RISE. Mw 5.5 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                05:16:21.1; Lat 20.32 S; Lon 113.76 W; Dep 15.0 Fix; Half-
                                                                duration 1.3 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=2.07, Plg=6, Azm=310; (N) Val=-0.18, Plg=84, Azm=145;
                                                                (P) Val=-1.89, Plg=2, Azm=41; Best double couple:
                                                                Mo=2.0*10**17 Nm; NP1: Strike=86, Dip=84, Slip=3; NP2:
                                                                Strike=355, Dip=87, Slip=174.
24  05 50 15.1   5.868 S  125.093 E   33 N  4.7 4.4     1.2   31  BANDA SEA
24  05 56 31.8& 59.806 N  152.076 W   65                     30  SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
24  06 44 42.8? 33.99  N  137.21  E  335 *  3.0        1.2    8  NEAR S. COAST OF HONSHU, JAPAN
24  07 13 29.2% 45.456 N    6.695 E    5 G              0.3    5  FRANCE. ML 1.7 (LDG).
24  07 22 19.9* 35.211 N   67.533 E   75 ?  3.7        0.8   18  HINDU KUSH REGION, AFGHANISTAN
24  07 53 58.8? 20.39  S  178.01  W  500 G  3.9        1.0   13  FIJI ISLANDS REGION
24  08 02 09.7% 44.392 N    8.572 E    5 G              0.4    9  NORTHERN ITALY. ML 2.2 (GEN).
24  08 08 07.2* 43.830 N  147.617 E   33 N  3.7        1.4    9  KURIL ISLANDS
24  08 49 06.6? 25.39  S  179.30  E  550 G  4.0        0.5   10  SOUTH OF FIJI ISLANDS
24  09 40 07.1  37.723 N   15.066 E   10 G  4.2        1.4   48  SICILY. MD 3.6 (ROM).
24  09 54 49.5? 11.18  N   62.14  W  100 G              0.2    4  WINDWARD ISLANDS. MD 3.1 (TRN).
24  11 30 10.3  31.409 N  127.871 E   49 *  4.4        0.9   24  NORTHWEST OF RYUKYU ISLANDS
24  12 16 06.1*  7.656 N   94.304 E  100 G  3.6        1.2   14  NICOBAR ISLANDS, INDIA
24  12 30 09.1   6.378 S  154.964 E   49 D  4.8 4.6     0.9   59  SOLOMON ISLANDS
24  14 27 15.8* 36.602 N   71.221 E  207 *  3.6        0.8   14  AFGHANISTAN-TAJIKISTAN BORD REG.
24  14 47 36.1* 37.971 S   73.070 W   33 N              1.0   17  NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
24  15 20 05.7?  7.34  S  128.54  E   33 N              1.4    6  BANDA SEA
24  15 21 45.5? 40.62  N   27.97  E   10 G              0.0    4  TURKEY. MD 2.8 (ISK).
24  16 00 31.2* 13.151 N  125.610 E   33 N  4.1        1.0   14  PHILIPPINE ISLANDS REGION
24  17 02 00.1* 47.400 N    2.710 E    5 G              0.3    7  FRANCE. ML 2.7 (STR), 2.2 (LDG).
24  17 22 25.3* 19.888 S  178.321 W  500 G  4.2        0.8   16  FIJI ISLANDS REGION
24  17 43 51.1? 14.58  N  119.74  E   33 N  3.6        0.4    6  LUZON, PHILIPPINE ISLANDS
24  17 51 12.2?  4.84  S  104.97  E  174                0.7    9  SOUTHERN SUMATERA, INDONESIA
24  17 53 08.4  44.092 N   10.551 E   10 G  4.3        1.1  179  NORTHERN ITALY. ML 4.8 (STR), 4.6 (VIE), 4.4 (LDG), 4.4
                                                                (FUR).
24  18 04 47.7? 31.33  S   71.61  W   20 G              0.3   13  NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
24  18 21 23.4% 44.051 N   10.676 E   10 G              0.9   15  NORTHERN ITALY. ML 2.5 (LDG).
24  18 25 50.0% 44.143 N   10.382 E   10 G              1.0    8  NORTHERN ITALY
24  18 29 25.9? 11.64  N   60.24  W  100 G              0.6    7  WINDWARD ISLANDS. MD 3.4 (TRN).
24  18 30 00.4  54.579 N  161.529 E   33 N  4.5        0.8   49  NEAR EAST COAST OF KAMCHATKA
24  18 30 53.3% 44.132 N   10.435 E   10 G              0.6   12  NORTHERN ITALY. ML 2.5 (LDG).
24  18 32 11.9& 33.200 N   92.750 W    5 G                    1  ARKANSAS. <MACRO>. mbLg 2.6 (GS). Felt at El Dorado and
                                                                Parkers Chapel.
24  18 42 11.1* 49.158 N    6.767 E   10 G              1.0    6  GERMANY. ML 2.3 (UCC). Mining induced event in the Lorraine
                                                                region, France.
24  18 51 17.5% 44.086 N   10.642 E   10 G              0.6   12  NORTHERN ITALY. ML 2.3 (LDG).
24  18 54 38.6? 25.95  S  179.78  W  450 G  4.1        0.9   14  SOUTH OF FIJI ISLANDS
24  18 57 56.2  13.122 N  125.210 E   33 N  4.6        1.1   35  PHILIPPINE ISLANDS REGION
24  19 18 28.2& 64.343 N  149.285 W   16                     29  CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
24  19 38 43.7*  1.787 N  118.050 E   33 N  4.6        1.2   25  BORNEO
24  20 03 08.9% 44.552 N    7.413 E   10 G              0.1    5  NORTHERN ITALY. ML 1.8 (GEN).
24  20 29 01.1*  5.759 S  111.502 E  513 *  4.2        0.8   22  JAVA SEA
24  20 56 57.3? 20.69  S  114.16  W   10 G  4.6 4.7     1.0   19  SOUTHERN EAST PACIFIC RISE. Mw 5.3 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                20:57:05.2; Lat 20.53 S; Lon 114.00 W; Dep 15.0 Fix; Half-
                                                                duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                Val=9.65, Plg=6, Azm=313; (N) Val=-1.15, Plg=77, Azm=193;
                                                                (P) Val=-8.51, Plg=11, Azm=44; Best double couple:
                                                                Mo=9.1*10**16 Nm; NP1: Strike=88, Dip=78, Slip=-3; NP2:
                                                                Strike=179, Dip=87, Slip=-168.
24  21 17 59.3* 44.040 N    9.946 E   10 G              1.3    9  NORTHERN ITALY. ML 2.1 (LDG).
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24	21	54	25.9*	22.350	S	66.098	W	245	?	4.1		0.8	15	JUJUY PROVINCE, ARGENTINA
24	22	02	06.5&	59.321	N	152.505	W	72					32	SOUTHERN ALASKA. <AEIC>.
24	22	26	10.7&	59.907	N	153.143	W	110		2.9			28	SOUTHERN ALASKA. <AEIC>.
24	23	10	43.7?	19.90	S	178.51	W	500	G	4.0		0.8	18	FIJI ISLANDS REGION
25	00	11	32.9*	73.523	N	14.838	E	10	G	3.0		0.1	5	NORWEGIAN SEA
25	00	34	30.7&	58.551	N	153.189	W	59					28	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
25	00	44	39.8	37.369	N	20.765	E	10	G	3.9		1.1	24	IONIAN SEA
25	01	44	35.1*	9.980	N	93.227	E	150	G	4.1		0.9	22	NICOBAR ISLANDS, INDIA
25	01	52	07.9&	61.829	N	151.900	W	109					34	SOUTHERN ALASKA. <AEIC>.
25	03	31	27.1*	23.902	S	66.652	W	250	G	3.5		1.1	13	JUJUY PROVINCE, ARGENTINA
25	04	18	39.8*	25.159	N	123.034	E	200	G			0.6	9	NORTHEAST OF TAIWAN
25	04	23	59.8?	1.93	N	118.70	E	33	N	4.4		1.4	14	BORNEO
25	04	35	42.9?	46.72	N	152.14	E	33	N	3.3		0.9	7	KURIL ISLANDS
25	05	21	07.2?	56.93	S	146.35	E	10	G	4.0		1.3	12	WEST OF MACQUARIE ISLAND
25	06	04	52.8?	32.32	N	104.64	E	33	N			0.9	9	SICHUAN, CHINA
25	06	15	03.1*	2.009	S	140.210	E	33	N			1.1	6	NEAR NORTH COAST OF IRIAN JAYA
25	06	47	05.3?	37.71	N	22.73	E	33	N			1.3	6	SOUTHERN GREECE
25	06	51	02.6*	5.263	S	129.385	E	200	G	4.2		0.9	16	BANDA SEA
25	07	17	08.9?	2.43	N	98.81	E	33	N			1.1	4	NORTHERN SUMATERA, INDONESIA
25	07	35	22.0?	32.55	S	71.91	W	10	G			0.6	12	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
25	08	05	11.1	2.977	N	128.637	E	217	*	4.4		0.7	34	HALMAHERA, INDONESIA
25	08	24	19.1*	15.855	S	167.149	E	33	N	4.1		1.3	18	VANUATU ISLANDS
25	08	29	55.0?	36.12	N	70.72	E	250	G	4.5		0.7	7	HINDU KUSH REGION, AFGHANISTAN
25	08	51	38.8*	19.019	S	69.069	W	102	*	4.2		1.1	14	NORTHERN CHILE
25	09	11	44.2&	32.513	S	70.446	W	100	G			0.4	13	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
25	10	24	01.0&	60.302	N	152.594	W	109					27	SOUTHERN ALASKA. <AEIC>.
25	11	23	52.2?	21.61	S	179.85	E	600	G	4.2		0.8	11	SOUTH OF FIJI ISLANDS
25	11	54	59.1?	39.14	N	27.52	E	10	G			0.3	4	TURKEY. MD 2.7 (ISK).
25	12	39	18.6&	61.480	N	151.948	W	13					26	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
25	12	50	04.1&	59.215	N	151.025	W	35		4.7			169	KENAI PENINSULA, ALASKA. <AEIC>. ML 4.3 (AEIC), 4.4 (PMR).
25	12	50	36.4*	17.719	S	178.747	W	600	G	4.2		0.7	25	FIJI ISLANDS REGION
25	13	19	41.4*	32.791	S	179.426	W	200	G	4.5		1.1	23	SOUTH OF KERMADEC ISLANDS
25	13	40	22.2?	23.09	S	111.81	W	10	G	3.9		0.5	6	EASTER ISLAND REGION
25	14	03	55.0&	34.252	S	71.283	W	60	G			0.2	13	NEAR COAST OF CENTRAL CHILE. MD 2.3 (SAN).
25	15	48	43.5*	17.716	S	173.754	W	33	N	4.3		1.3	32	TONGA ISLANDS
25	16	04	30.9*	71.168	N	3.318	W	10	G	3.7	3.5	1.5	14	JAN MAYEN ISLAND REGION
25	16	30	32.6?	37.00	N	21.07	E	10	G	4.6		1.3	10	SOUTHERN GREECE
25	16	34	25.9?	51.64	N	179.62	E	33	N	3.1		0.9	6	RAT ISLANDS, ALEUTIAN ISLANDS
25	16	52	54.1	44.123	N	6.876	E	5	G			0.5	25	FRANCE. ML 2.3 (GEN), 2.0 (LDG), 1.6 (STR).
25	17	17	53.1*	42.892	N	12.848	E	10	G			1.1	14	CENTRAL ITALY. ML 3.1 (VIE).
25	17	25	24.4&	38.732	N	119.622	W	0					10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM).
25	18	27	48.0?	11.23	N	62.01	W	100	G			0.2	5	WINDWARD ISLANDS. MD 2.7 (TRN).
25	18	37	14.9*	35.851	N	22.056	E	33	N	4.0		1.0	14	CENTRAL MEDITERRANEAN SEA
25	19	01	38.3	29.746	N	137.681	E	512	*	4.2		1.0	34	SOUTH OF HONSHU, JAPAN
25	19	13	59.9?	16.97	S	172.41	W	33	N	3.9		1.0	9	SAMOA ISLANDS REGION
25	19	15	43.0*	71.441	N	3.177	W	10	G	3.0		1.5	7	JAN MAYEN ISLAND REGION
25	19	30	29.7	53.100	N	156.905	E	242	*	4.3		0.7	57	KAMCHATKA
25	19	53	46.6*	50.302	N	155.458	E	200	G	4.2		0.9	17	KURIL ISLANDS
25	20	10	56.0*	3.817	S	139.227	E	33	N	3.4		0.9	7	IRIAN JAYA, INDONESIA
25	20	49	19.1*	59.213	S	25.162	W	50	G	4.7		0.9	45	SOUTH SANDWICH ISLANDS REGION
25	21	15	06.1*	11.227	N	125.416	E	33	N	4.6		1.0	21	SAMAR, PHILIPPINE ISLANDS
25	22	16	19.1	14.149	N	92.280	W	10	G	5.4	5.3	1.0	256	NEAR COAST OF CHIAPAS, MEXICO. Mw 5.8 (GS), 5.8 (HRV). MD 5.2 (UNM). Moment Tensor (GS): Dep 26; Principal axes (scale 10**17 Nm): (T) Val=5.16, Plg=73, Azm=345; (N) Val=0.10, Plg=15, Azm=136; (P) Val=-5.26, Plg=8, Azm=228; Best double couple: Mo=5.2*10**17 Nm; NP1: Strike=335, Dip=40, Slip=114; NP2: Strike=126, Dip=54, Slip=72. Centroid, Moment Tensor (HRV): Centroid origin time 22:16:27.0; Lat 14.15 N; Lon 92.71 W; Dep 33.0 Bdy; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=5.99, Plg=70, Azm=39; (N) Val=0.64, Plg=5, Azm=294; (P) Val=-6.63, Plg=19, Azm=203; Best double couple: Mo=6.3*10**17 Nm; NP1: Strike=284, Dip=26, Slip=78; NP2: Strike=117, Dip=64, Slip=96.
25	22	30	51.8	7.529	S	106.604	E	50	G	4.9		0.9	64	JAWA, INDONESIA
25	22	43	56.9*	35.980	N	28.167	E	33	N			1.3	9	EASTERN MEDITERRANEAN SEA. ML 3.4 (CSS). MD 3.3 (ISK).
25	23	27	01.0*	29.638	N	129.177	E	156	*	3.4		0.9	15	RYUKYU ISLANDS
25	23	31	16.0*	37.851	N	72.478	E	138	?	3.9		0.7	13	TAJIKISTAN
25	23	47	11.6?	54.25	N	161.97	E	33	N			1.3	12	NEAR EAST COAST OF KAMCHATKA
25	23	52	51.9	53.889	N	161.998	E	33	N	4.6		1.0	42	OFF EAST COAST OF KAMCHATKA
25	23	53	43.6?	53.63	N	161.60	E	33	N	4.6		0.6	13	OFF EAST COAST OF KAMCHATKA
26	00	19	08.5	54.048	N	161.796	E	33	N	4.4		1.0	25	NEAR EAST COAST OF KAMCHATKA
26	00	29	13.6*	8.748	S	123.306	E	100	G	3.7		0.7	10	FLORES REGION, INDONESIA
26	00	48	24.1	18.176	N	68.441	W	94	D	4.7		1.0	97	MONA PASSAGE. MD 4.7 (MPR). Felt.
26	01	00	36.2?	17.95	N	100.09	W	10	G			1.3	5	GUERRERO, MEXICO. MD 3.8 (UNM).
26	01	05	36.0	28.038	N	53.392	E	25	D	4.4	4.0	1.1	64	SOUTHERN IRAN
26	02	23	11.1*	22.505	S	66.084	W	254	*	3.6		0.5	10	JUJUY PROVINCE, ARGENTINA
26	02	37	05.7	46.875	N	152.820	E	55	D	4.7		1.0	55	KURIL ISLANDS
26	02	39	37.1?	71.24	N	3.29	W	10	G	4.0		1.2	7	JAN MAYEN ISLAND REGION
26	03	20	13.1?	15.30	N	98.73	W	10	G	3.5		1.6	6	OFF COAST OF GUERRERO, MEXICO. MD 4.0 (UNM).
26	03	46	12.7?	14.20	S	167.21	E	33	N	4.1		0.4	6	VANUATU ISLANDS
26	03	47	31.0?	20.10	N	99.04	W	33	N			1.1	5	CENTRAL MEXICO. MD 3.2 (UNM).
26	03	57	58.5	17.972	S	178.631	W	600	G	4.6		0.8	41	FIJI ISLANDS REGION
26	04	47	56.7&	58.272	N	156.047	W	141		3.2			13	ALASKA PENINSULA. <AEIC>.
26	04	50	44.4	53.862	N	161.978	E	33	N	5.1	4.5	0.9	177	OFF EAST COAST OF KAMCHATKA
26	04	57	13.5	1.222	N	126.168	E	33	N	4.3		0.8	20	NORTHERN MOLUCCA SEA
26	05	02	32.1	53.555	N	162.357	E	33	N	5.0	4.6	1.3	167	OFF EAST COAST OF KAMCHATKA. Mw 5.3 (HRV). Felt (II) at Petropavlovsk-Kamchatskiy. Centroid, Moment Tensor (HRV): Centroid origin time 05:02:35.8; Lat 53.42 N; Lon 162.20 E; Dep 15.1 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.18, Plg=59, Azm=295; (N) Val=1.02, Plg=1, Azm=203;

													(P) Val=-9.21, Plg=31, Azm=112; Best double couple: Mo=8.7*10**16 Nm; NP1: Strike=198, Dip=14, Slip=85; NP2: Strike=23, Dip=76, Slip=91.
26	05	07	49.9%	53.765	N	162.307	E	33	N		0.9	5	OFF EAST COAST OF KAMCHATKA
26	05	08	04.1*	28.032	N	53.367	E	33	N	4.0	1.2	23	SOUTHERN IRAN
26	05	34	24.7	22.338	S	179.690	W	588	D	5.3	1.0	231	SOUTH OF FIJI ISLANDS. Mw 5.9 (GS), 5.9 (HRV). Moment Tensor (GS): Dep 579; Principal axes (scale 10**17 Nm): (T) Val=7.48, Plg=35, Azm=90; (N) Val=0.13, Plg=29, Azm=203; (P) Val=-7.61, Plg=41, Azm=321; Best double couple: Mo=7.5*10**17 Nm; NP1: Strike=121, Dip=29, Slip=-173; NP2: Strike=24, Dip=87, Slip=-61. Centroid, Moment Tensor (HRV): Centroid origin time 05:34:29.2; Lat 22.34 S; Lon 179.46 W; Dep 600.1; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=7.19, Plg=30, Azm=82; (N) Val=1.19, Plg=40, Azm=201; (P) Val=-8.37, Plg=35, Azm=327; Best double couple: Mo=7.8*10**17 Nm; NP1: Strike=117, Dip=40, Slip=-175; NP2: Strike=23, Dip=87, Slip=-50.
26	05	44	50.6	25.830	S	179.587	E	550	G	4.4	1.1	44	SOUTH OF FIJI ISLANDS
26	05	49	18.7	53.947	N	161.723	E	33	N	4.8	1.1	47	OFF EAST COAST OF KAMCHATKA. Felt (II) at Petropavlovsk-Kamchatskiy.
26	06	24	07.2	54.453	N	163.136	E	33	N	5.2 4.5	1.0	199	OFF EAST COAST OF KAMCHATKA. Felt (II) at Petropavlovsk-Kamchatskiy.
26	06	39	13.7%	70.938	N	2.738	W	10	G		1.5	6	JAN MAYEN ISLAND REGION
26	07	04	33.9	53.897	N	161.840	E	33	N	4.7	0.9	65	OFF EAST COAST OF KAMCHATKA
26	07	06	29.3&	37.631	N	118.888	W	6				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.3 (GS).
26	07	20	55.5	54.262	N	161.523	E	33	N	4.1	0.7	18	NEAR EAST COAST OF KAMCHATKA
26	07	54	17.9*	1.047	S	147.078	E	33	N	4.1	1.1	12	ADMIRALTY ISLANDS REGION, P.N.G.
26	08	18	33.8*	54.312	N	161.727	E	33	N	3.6	0.6	10	NEAR EAST COAST OF KAMCHATKA
26	08	59	29.6?	38.29	N	27.56	E	10	G		1.3	4	TURKEY. MD 2.9 (ISK).
26	09	23	32.5?	39.18	N	27.88	E	10	G		0.5	4	TURKEY. MD 2.7 (ISK).
26	10	30	10.2%	45.708	N	5.330	E	10	G		1.2	8	FRANCE. ML 1.9 (LDG).
26	11	33	53.8*	2.910	N	95.448	E	33	N		0.6	8	OFF W COAST OF NORTHERN SUMATERA
26	12	47	51.0?	9.67	N	83.85	W	33	N	3.5	1.0	6	COSTA RICA
26	12	56	26.0&	37.629	N	118.868	W	5				29	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.7 (BRK). MD 3.7 (GM). ML 3.8 (BRK), 3.8 (GS). Moment Tensor (BRK): Dep 8; Principal axes (scale 10**14 Nm): (T) Val=5.18, Plg=13, Azm=237; (N) Val=-1.10, Plg=46, Azm=134; (P) Val=-4.08, Plg=42, Azm=339; Best double couple: Mo=4.6*10**14 Nm; NP1: Strike=114, Dip=72, Slip=-139; NP2: Strike=9, Dip=51, Slip=-23.
26	13	05	31.6*	6.093	S	154.306	E	60	D	4.1	1.3	23	SOLOMON ISLANDS
26	13	19	18.2?	14.48	N	91.61	W	33	N	3.9	0.9	6	GUATEMALA
26	13	24	16.8	44.051	N	10.545	E	10	G	3.5	1.0	78	NORTHERN ITALY. ML 3.7 (STR), 3.5 (LDG), 3.4 (VIE).
26	14	02	58.6?	39.70	N	29.46	E	10	G		0.4	4	TURKEY. MD 2.6 (ISK).
26	14	07	31.0	6.142	S	153.182	E	30	D	4.4	1.1	42	NEW BRITAIN REGION, P.N.G.
26	14	15	22.3*	6.440	S	147.230	E	10	G	3.4	1.3	12	EASTERN NEW GUINEA REG., P.N.G.
26	14	24	40.6	14.017	N	92.297	W	10	G	4.7	1.0	73	NEAR COAST OF CHIAPAS, MEXICO
26	14	49	02.0%	45.680	N	5.243	E	10	G		0.4	5	FRANCE. ML 1.9 (LDG).
26	14	54	29.5?	45.78	N	5.32	E	5	G		0.3	4	FRANCE. ML 1.9 (LDG).
26	15	05	32.2&	33.321	N	115.689	W	10				17	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS), 3.8 (GS).
26	15	23	26.0?	20.01	S	178.41	W	500	G	4.0	1.0	12	FIJI ISLANDS REGION
26	15	33	10.2*	31.135	N	130.405	E	199	?		1.0	11	KYUSHU, JAPAN
26	15	35	04.5*	32.852	S	70.392	W	100	?		0.3	14	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN). Felt (II) at Santiago, Chile.
26	15	53	25.3*	44.403	N	148.457	E	33	N	3.6	0.9	6	KURIL ISLANDS
26	16	38	54.6*	4.078	S	152.517	E	33	N	4.0	1.2	16	NEW BRITAIN REGION, P.N.G.
26	16	48	13.8*	2.233	N	125.282	E	33	N	4.2	0.6	12	TALAUD ISLANDS, INDONESIA
26	17	29	24.8*	40.624	N	143.605	E	62	D	4.1	1.3	22	OFF EAST COAST OF HONSHU, JAPAN
26	17	46	27.4	1.028	N	124.660	E	141		4.7	1.0	40	MINAHASSA PENINSULA, SULAWESI
26	17	49	16.1?	15.88	N	95.78	W	33	N	3.8	1.7	18	NEAR COAST OF OAXACA, MEXICO. MD 4.5 (UNM).
26	18	37	44.1?	16.67	S	177.84	W	33	N	3.9	0.5	8	FIJI ISLANDS REGION
26	18	39	27.0&	60.929	N	149.233	W	32				23	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
26	20	45	26.7	0.679	S	133.337	E	33	N	4.4	1.0	19	IRIAN JAYA REGION, INDONESIA
26	20	57	18.9?	21.59	N	142.19	E	267	?	3.4	1.0	11	MARIANA ISLANDS REGION
26	21	16	51.8*	10.824	S	119.067	E	33	N	3.8	1.8	5	SUMBA REGION, INDONESIA
26	21	18	17.8	51.310	N	178.802	E	33	N	5.3 5.0	1.0	234	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.6 (HRV). ML 5.4 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 21:18:21.8; Lat 51.42 N; Lon 178.64 E; Dep 32.0 Bdy; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.89, Plg=64, Azm=318; (N) Val=0.17, Plg=11, Azm=72; (P) Val=-3.06, Plg=24, Azm=167; Best double couple: Mo=3.0*10**17 Nm; NP1: Strike=278, Dip=24, Slip=119; NP2: Strike=68, Dip=69, Slip=78.
26	21	19	21.7	43.311	N	7.360	E	10	G		0.9	28	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR), 2.3 (LDG).
26	21	29	59.8	28.015	S	66.745	W	174		4.6	1.1	46	CATAMARCA PROVINCE, ARGENTINA. MD 4.7 (SAN).
26	23	25	48.1?	54.21	N	161.94	E	33	N		0.1	5	NEAR EAST COAST OF KAMCHATKA
26	23	34	58.3*	6.419	N	126.285	E	33	N	4.2	1.0	16	MINDANAO, PHILIPPINE ISLANDS
27	00	08	14.2&	57.267	N	152.606	W	20				32	KODIAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
27	00	32	57.8%	35.926	S	52.604	E	10	G		0.7	10	SOUTHWEST INDIAN RIDGE
27	00	38	17.3*	35.281	N	135.387	E	374		3.6	0.9	21	WESTERN HONSHU, JAPAN
27	00	39	31.0*	3.098	S	139.612	E	110	?	4.0	1.3	13	IRIAN JAYA, INDONESIA
27	01	08	17.1*	34.117	N	135.081	E	33	N	4.0	1.1	12	NEAR S. COAST OF WESTERN HONSHU. Felt (II JMA) in northwestern Wakayama Prefecture.
27	01	17	41.3*	4.176	N	126.168	E	135	*	4.4	1.0	28	TALAUD ISLANDS, INDONESIA
27	01	47	24.7?	15.39	S	167.56	E	124	?	3.5	1.3	12	VANUATU ISLANDS
27	01	49	42.0	44.849	N	6.656	E	5	G		0.7	34	FRANCE. ML 2.5 (GEN), 2.5 (LDG), 2.5 (STR).
27	01	56	08.1?	22.25	S	179.54	W	500	G	4.2	1.0	15	SOUTH OF FIJI ISLANDS
27	04	21	01.6	42.283	N	78.330	E	33	N	4.6 4.0	1.1	43	LAKE ISSYK-KUL REGION. Felt (II) at Almaty, Kazakhstan.
27	04	26	19.9&	61.549	N	141.423	W	0				24	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC).
27	04	37	29.7&	61.539	N	141.240	W	0		4.5		88	SOUTHERN ALASKA. <AEIC>. ML 4.2 (AEIC), 4.3 (PMR).
27	04	51	57.4*	7.076	S	106.546	E	109		4.5	1.1	23	JAWA, INDONESIA

27	04	56	57.1&	63.098	N	144.469	W	5					18	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
27	04	58	20.7%	44.378	N	7.347	E	10	G			0.3	6	NORTHERN ITALY. ML 1.8 (GEN).
27	04	59	29.0%	44.371	N	7.353	E	10	G			0.7	6	NORTHERN ITALY. ML 1.7 (GEN).
27	05	17	36.9?	20.74	S	178.23	W	400	G	3.6		1.3	12	FIJI ISLANDS REGION
27	05	19	18.8*	2.972	S	129.398	E	33	N	4.3		1.1	17	SERAM, INDONESIA
27	05	30	25.2%	44.368	N	7.341	E	10	G			0.4	8	NORTHERN ITALY. ML 2.0 (GEN).
27	05	40	07.0%	38.865	N	27.823	E	10	G			0.4	5	TURKEY. MD 2.9 (ISK).
27	05	47	57.1*	27.642	N	140.149	E	488	?	3.5		0.8	12	BONIN ISLANDS REGION
27	06	14	46.3?	44.04	N	7.05	E	10	G			0.0	4	NORTHERN ITALY. ML 1.6 (GEN).
27	07	47	54.4*	58.886	S	25.630	W	33	N			0.8	20	SOUTH SANDWICH ISLANDS REGION
27	08	31	04.2?	34.27	S	68.06	W	10	G			0.6	10	MENDOZA PROVINCE, ARGENTINA. MD 3.8 (SAN).
27	08	49	49.7	17.364	N	62.026	W	10	G			0.4	6	LEEWARD ISLANDS. MD 2.5 (TRN), 2.1 (FDF).
27	09	59	38.7&	61.555	N	141.423	W	0					22	SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC).
27	10	01	52.0&	61.551	N	141.490	W	0					16	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
27	10	58	27.9*	37.392	N	20.862	E	33	N	3.4		1.2	14	IONIAN SEA
27	13	11	18.4*	31.762	S	66.719	W	148	*	4.0		0.8	24	LA RIOJA PROVINCE, ARGENTINA
27	13	15	08.3%	17.815	N	66.096	W	5	G			0.3	9	PUERTO RICO REGION. MD 3.0 (MPR).
27	13	42	49.6*	32.856	N	96.149	E	33	N	3.5		1.4	11	QINGHAI, CHINA
27	14	46	08.3?	31.82	S	70.46	W	120	G			0.4	13	CHILE-ARGENTINA BORDER REGION
27	14	47	35.3&	38.659	N	119.675	W	2					9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
27	15	10	46.5*	56.237	S	26.471	W	33	N			0.8	16	SOUTH SANDWICH ISLANDS REGION
27	15	44	28.0?	54.76	N	162.49	E	33	N			1.3	9	NEAR EAST COAST OF KAMCHATKA
27	16	56	41.4&	33.318	N	115.693	W	4					33	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.6 (GS).
27	17	07	53.7*	16.246	S	174.448	W	109	*	4.1		0.5	19	TONGA ISLANDS
27	17	26	52.4?	54.86	N	163.43	E	33	N	4.2		1.3	8	OFF EAST COAST OF KAMCHATKA
27	17	30	27.6%	29.719	N	68.180	E	33	N			0.6	8	PAKISTAN
27	17	39	47.0	44.701	N	10.632	E	5	G			0.6	18	NORTHERN ITALY. ML 2.8 (LDG), 2.6 (VIE).
27	18	45	38.5	44.305	N	6.504	E	5	G			0.8	18	FRANCE. ML 2.2 (STR), 2.1 (LDG).
27	19	10	36.4	36.661	N	27.229	E	33	N	4.0		1.4	28	DODECANESE ISLANDS. MD 3.6 (ISK).
27	19	17	54.2	36.524	N	27.217	E	33	N	4.4		1.2	99	DODECANESE ISLANDS
27	19	45	20.7	36.494	N	27.232	E	33	N	4.1		1.3	37	DODECANESE ISLANDS
27	20	11	01.3	55.783	S	4.218	W	10	G	5.4	5.3	1.0	46	SOUTHERN MID-ATLANTIC RIDGE. Mw 6.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:11:10.5; Lat 55.97 S; Lon 3.72 W; Dep 15.0 Fix; Half-duration 2.8 sec; Principal axes (scale 10**18 Nm): (T) Val=2.15, Plg=3, Azm=126; (N) Val=-0.06, Plg=75, Azm=26; (P) Val=-2.09, Plg=14, Azm=217; Best double couple: Mo=2.1*10**18 Nm; NP1: Strike=260, Dip=78, Slip=-9; NP2: Strike=352, Dip=82, Slip=-168.
27	20	27	54.4	17.596	S	174.834	W	33	N	5.3	5.4	1.1	186	TONGA ISLANDS
27	20	34	44.5	51.428	N	175.043	W	33	N	4.3		0.8	33	ANDREANOF ISLANDS, ALEUTIAN IS.
27	20	43	44.8	3.450	S	145.942	E	33	N	4.6		0.9	30	NEAR N COAST OF NEW GUINEA, PNG.
27	21	07	22.9*	51.529	N	174.915	W	33	N	3.6		0.7	10	ANDREANOF ISLANDS, ALEUTIAN IS.
27	21	11	27.4*	54.465	N	163.860	E	33	N	4.4		1.0	16	OFF EAST COAST OF KAMCHATKA
27	21	41	12.6?	21.24	S	170.07	E	97	?			0.8	11	LOYALTY ISLANDS REGION
27	22	18	15.4	44.885	N	6.943	E	5	G			0.6	23	FRANCE. ML 2.4 (GEN), 2.3 (LDG).
27	22	18	19.9?	17.38	S	175.10	W	33	N	3.9		0.9	10	TONGA ISLANDS
27	22	55	20.4	55.686	S	4.115	W	10	G	5.1	4.4	0.7	30	SOUTHERN MID-ATLANTIC RIDGE
27	23	20	24.7?	4.77	S	103.18	E	75	?			0.6	10	SOUTHERN SUMATERA, INDONESIA
28	00	20	36.7	44.193	N	10.343	E	10	G			1.0	20	NORTHERN ITALY. ML 2.7 (LDG).
28	01	33	16.6*	15.982	N	98.243	W	33	N	3.6		1.3	22	OFF COAST OF GUERRERO, MEXICO. MD 4.3 (UNM).
28	01	42	24.0*	5.955	S	150.450	E	33	N	4.2		1.0	12	NEW BRITAIN REGION, P.N.G.
28	02	13	32.5&	37.621	N	118.832	W	4					11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.2 (GS).
28	02	27	17.3*	14.787	S	167.279	E	100	G	4.4		1.5	18	VANUATU ISLANDS
28	02	34	04.1*	25.139	N	141.761	E	33	N	3.8		0.7	6	VOLCANO ISLANDS REGION
28	02	55	50.6%	46.368	N	1.381	E	10	G			0.7	9	FRANCE. ML 1.8 (LDG).
28	03	17	40.5*	6.132	S	127.602	E	400	G	4.5		1.0	16	BANDA SEA
28	03	22	57.8	2.650	N	125.720	E	100	G	5.1		1.0	58	TALAUD ISLANDS, INDONESIA
28	03	25	13.1	4.411	S	152.950	E	33	N	5.4	5.2	0.8	187	NEW BRITAIN REGION, P.N.G. Mw 5.4 (GS), 5.4 (HRV). Moment Tensor (GS): Dep 28; Principal axes (scale 10**17 Nm): (T) Val=1.52, Plg=85, Azm=356; (N) Val=-0.11, Plg=5, Azm=182; (P) Val=-1.41, Plg=1, Azm=92; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=176, Dip=45, Slip=82; NP2: Strike=7, Dip=46, Slip=98. Centroid, Moment Tensor (HRV): Centroid origin time 03:25:19.6; Lat 4.47 S; Lon 153.18 E; Dep 39.5; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.59, Plg=83, Azm=289; (N) Val=0.12, Plg=2, Azm=181; (P) Val=-1.70, Plg=7, Azm=91; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=178, Dip=38, Slip=86; NP2: Strike=3, Dip=52, Slip=93.
28	04	13	05.2&	37.619	N	118.838	W	5					17	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.4 (GS).
28	04	32	24.7&	40.376	N	125.137	W	0					2	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.7 (GM).
28	04	39	49.5	2.622	N	125.723	E	100	G	4.7		1.3	38	TALAUD ISLANDS, INDONESIA
28	05	03	39.1%	33.498	S	70.246	W	110	G			0.2	14	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
28	05	06	18.0*	53.355	N	131.025	W	10	G	3.2		1.2	7	QUEEN CHARLOTTE ISLANDS REGION
28	05	13	25.2	40.695	N	143.715	E	33	N	4.7	4.3	1.1	49	OFF EAST COAST OF HONSHU, JAPAN
28	05	17	45.0*	40.541	N	143.871	E	33	N	3.6		1.0	16	OFF EAST COAST OF HONSHU, JAPAN
28	07	39	32.1	2.484	N	128.289	E	170	D	4.6		1.1	40	HALMAHERA, INDONESIA
28	08	12	28.7&	33.183	N	116.044	W	6					4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). MD 2.7 (ECX).
28	08	25	42.5&	36.600	N	121.199	W	6					14	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.1 (BRK).
28	09	06	47.8	51.583	N	175.010	W	33	N	4.7	4.3	1.0	58	ANDREANOF ISLANDS, ALEUTIAN IS.
28	09	50	23.3*	1.005	S	97.402	E	33	N			0.8	10	SOUTHWEST OF SUMATERA, INDONESIA. ML 4.3 (DJA).
28	12	22	24.9	26.430	N	96.237	E	100	G	4.0		1.1	32	MYANMAR
28	14	16	22.1*	36.507	N	70.462	E	200	G	4.2		1.2	21	HINDU KUSH REGION, AFGHANISTAN
28	14	50	36.2*	35.003	N	70.306	E	200	G	3.2		1.0	8	HINDU KUSH REGION, AFGHANISTAN
28	16	04	49.0?	35.09	S	71.16	W	110	G			0.4	13	CENTRAL CHILE. MD 3.1 (SAN).
28	16	39	32.9?	40.26	S	174.70	E	33	N			0.3	9	COOK STRAIT, NEW ZEALAND. ML 4.2 (WEL).
28	16	46	45.6%	34.533	S	71.191	W	60	G			0.2	11	NEAR COAST OF CENTRAL CHILE. MD 2.7 (SAN).
28	19	22	38.8%	44.318	N	6.385	E	10	G			0.6	9	FRANCE. ML 1.7 (LDG).
28	19	48	18.3?	17.01	N	94.86	W	100	G	3.3		0.9	6	CHIAPAS, MEXICO. MD 4.0 (UNM).

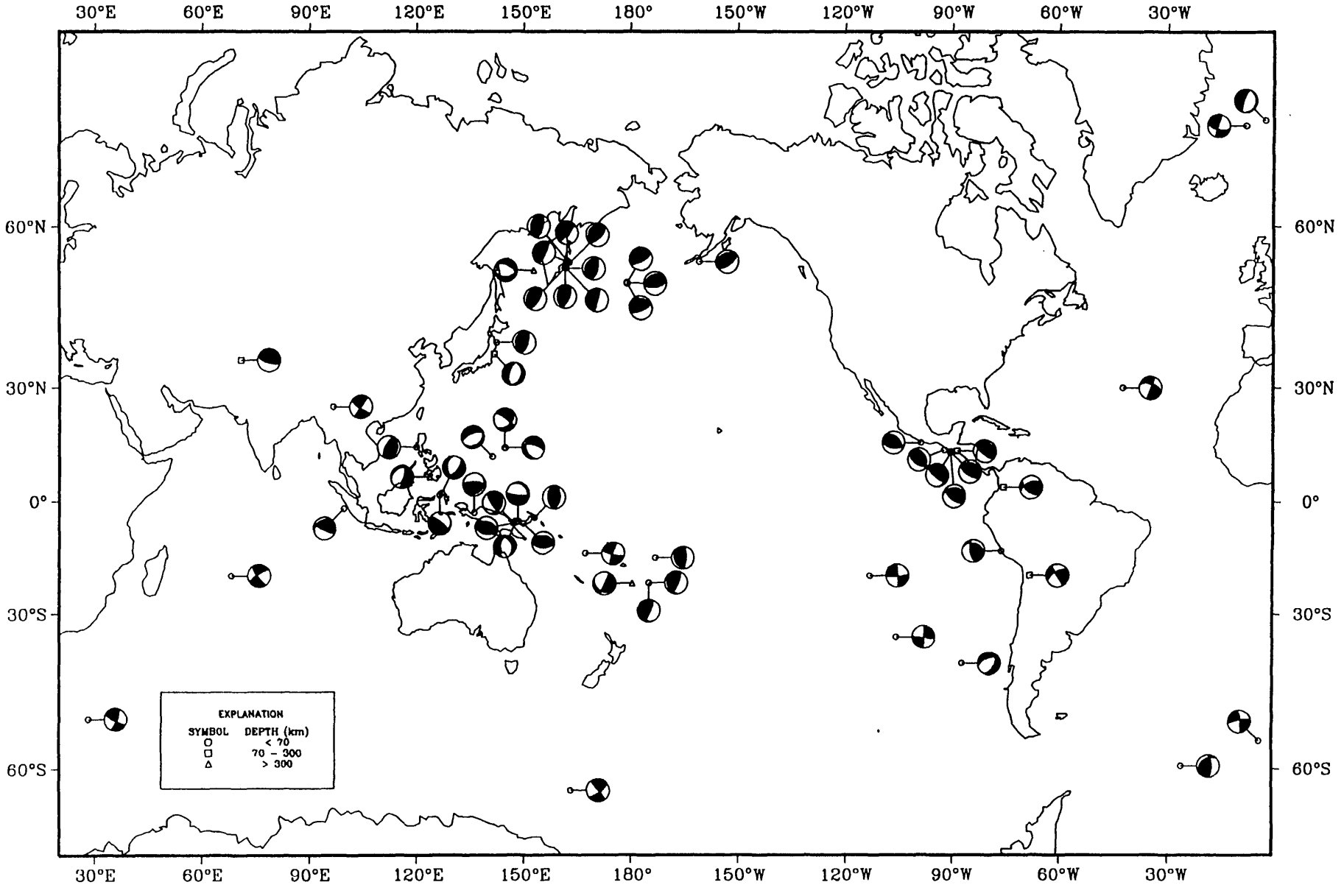
28	19	57	26.8%	34.639	S	70.498	W	10	G		0.7	12	CHILE-ARGENTINA BORDER REGION
28	20	20	54.4&	37.634	N	118.879	W	6				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
28	20	46	38.0	39.795	N	26.911	E	10	G	4.0 3.3	1.1	72	TURKEY. MD 4.0 (ISK).
28	22	31	22.8*	18.564	N	146.854	E	33	N	4.3	1.3	26	MARIANA ISLANDS
28	22	52	27.2	47.133	N	10.072	E	12			1.2	53	AUSTRIA. ML 3.1 (STR), 3.1 (GRF), 3.0 (LDG), 3.0 (VIE), 2.9 (FBB), 2.9 (FUR). Felt (IV) at Tschagguns.
28	23	04	14.8&	59.194	N	152.122	W	50				11	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
28	23	31	45.1*	36.113	N	138.266	E	200	G	4.2	0.6	16	EASTERN HONSHU, JAPAN
29	00	13	26.9*	43.544	N	145.148	E	33	N	4.3	0.7	9	HOKKAIDO, JAPAN REGION
29	00	29	40.3%	34.301	S	71.935	W	33	N		0.3	13	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
29	00	48	19.7%	34.315	S	70.103	W	10	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
29	01	08	46.8*	53.947	N	161.451	E	33	N	4.3	1.0	11	OFF EAST COAST OF KAMCHATKA
29	01	16	45.0?	52.63	N	173.81	W	130	*		0.6	7	ANDREANOF ISLANDS, ALEUTIAN IS.
29	01	47	15.9%	33.632	S	70.419	W	100	G		0.3	13	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
29	02	06	06.2*	3.218	S	139.690	E	33	N	3.4	1.1	7	IRIAN JAYA, INDONESIA
29	02	39	48.0	49.570	S	125.865	E	10	G	4.7 4.5	1.1	54	SOUTH OF AUSTRALIA
29	02	49	29.9&	53.757	N	164.252	W	27				17	UNIMAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
29	03	26	25.4&	63.503	N	147.007	W	8				19	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
29	03	33	32.5*	29.957	N	69.319	E	33	N	4.1	1.5	18	PAKISTAN
29	03	51	02.4	46.357	N	12.841	E	10	G		1.2	10	NORTHERN ITALY. ML 2.3 (VIE). MD 1.9 (LJU).
29	05	12	21.5	52.145	S	28.096	E	10	G	5.1 5.3	0.9	39	SOUTH OF AFRICA. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:12:26.6; Lat 52.16 S; Lon 28.89 E; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=4.31, Plg=16, Azm=338; (N) Val=-0.43, Plg=74, Azm=161; (P) Val=-3.87, Plg=1, Azm=68; Best double couple: Mo=4.1*10**17 Nm; NP1: Strike=114, Dip=78, Slip=11; NP2: Strike=22, Dip=79, Slip=168.
29	05	41	02.1?	54.86	N	162.35	E	33	N		1.1	8	NEAR EAST COAST OF KAMCHATKA
29	06	23	04.7%	6.994	N	34.081	W	10	G		0.9	10	CENTRAL MID-ATLANTIC RIDGE
29	07	56	38.7	21.876	N	120.738	E	33	N	4.3	0.8	21	TAIWAN REGION
29	08	27	49.5&	62.575	N	148.401	W	47				18	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
29	08	31	22.5	44.353	N	7.361	E	10	G		0.6	12	NORTHERN ITALY. ML 2.5 (LDG).
29	09	08	18.2	23.708	N	94.935	E	100	G	4.4	0.9	39	MYANMAR-INDIA BORDER REGION
29	09	16	39.4&	54.329	N	162.524	W	0				14	ALASKA PENINSULA. <AEIC>. ML 3.2 (AEIC).
29	09	35	03.2?	31.70	S	69.92	W	150	G		0.6	12	SAN JUAN PROVINCE, ARGENTINA. MD 3.0 (SAN).
29	11	50	03.6*	27.579	S	178.754	W	400	G	3.6	1.0	14	KERMADEC ISLANDS REGION
29	12	37	34.4	6.810	S	149.491	E	33	N	4.4	1.0	21	NEW BRITAIN REGION, P.N.G.
29	12	52	35.7?	18.59	N	66.40	W	140	G		0.2	9	PUERTO RICO REGION. MD 3.2 (MPR).
29	13	06	32.7*	9.494	S	124.939	E	33	N		1.4	7	TIMOR REGION, INDONESIA
29	13	41	46.7*	35.482	N	25.939	E	33	N	3.3	0.7	9	CRETE
29	14	04	59.9*	17.931	S	178.520	W	576	*	4.4	1.0	26	FIJI ISLANDS REGION
29	15	38	59.3	51.239	N	178.878	E	33	N	4.2	1.1	38	RAT ISLANDS, ALEUTIAN ISLANDS
29	15	46	44.2*	16.782	N	62.237	W	120	G		0.3	9	LEEWARD ISLANDS. MD 2.8 (FDF).
29	15	49	20.3*	15.924	N	146.245	E	33	N	4.0	1.2	17	MARIANA ISLANDS
29	15	51	08.6&	60.472	N	149.565	W	33				29	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC), 3.0 (PMR).
29	16	11	45.0*	35.716	N	140.857	E	33	N	3.8	1.1	11	NEAR EAST COAST OF HONSHU, JAPAN
29	16	37	17.3&	59.389	N	153.783	W	113				17	SOUTHERN ALASKA. <AEIC>.
29	17	39	36.2	3.023	S	136.113	E	33	N	4.2	1.0	24	IRIAN JAYA, INDONESIA
29	20	02	32.6&	37.600	N	118.915	W	8				31	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 4.1 (BRK). MD 4.3 (GM). ML 4.3 (BRK), 4.1 (GS). Felt in the Mammoth Lakes area, California. Moment Tensor (BRK): Dep 14; Principal axes (scale 10**15 Nm): (T) Val=1.68, Plg=13, Azm=216; (N) Val=0.00, Plg=77, Azm=23; (P) Val=-1.68, Plg=3, Azm=125; Best double couple: Mo=1.7*10**15 Nm; NP1: Strike=351, Dip=83, Slip=11; NP2: Strike=260, Dip=79, Slip=173.
29	20	13	05.4*	51.638	N	175.009	W	33	N	4.1	1.0	21	ANDREANOF ISLANDS, ALEUTIAN IS.
29	20	24	36.7*	51.627	N	16.263	E	5	G		0.9	8	POLAND. ML 2.5 (VIE).
29	20	35	48.0	6.315	S	155.009	E	33	N	4.4	0.9	34	SOLOMON ISLANDS
29	20	36	38.7*	51.096	N	15.760	E	5	G		0.6	6	POLAND. MG 2.5 (WAR).
29	21	42	52.6&	37.604	N	118.908	W	8				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.2 (GS).
29	21	54	25.5&	58.297	N	150.940	W	35				14	GULF OF ALASKA. <AEIC>. ML 2.5 (AEIC).
29	22	11	58.4	3.991	N	127.951	E	100	G	4.7	1.2	43	TALAUD ISLANDS, INDONESIA
29	22	21	57.6?	19.93	S	178.40	W	550	G	3.4	0.9	10	FIJI ISLANDS REGION
29	23	31	39.3&	37.645	N	118.859	W	6				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.0 (GS).
29	23	37	41.5&	58.450	N	142.731	W	10	G	3.4		25	GULF OF ALASKA. <AEIC>. ML 3.3 (AEIC).
30	00	05	55.3*	30.393	S	179.077	W	200	G	4.0	0.6	16	KERMADEC ISLANDS REGION
30	00	08	37.2&	45.931	N	111.478	W	2				29	MONTANA. <BUT-P>. ML 3.0 (BUT). Felt at Logan and Trident.
30	00	12	37.3?	4.96	S	129.76	E	100	G	3.9	1.3	8	BANDA SEA
30	00	49	02.1*	51.889	N	175.081	W	33	N	4.1	1.1	26	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
30	00	58	08.2&	61.164	N	150.669	W	61				37	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
30	01	27	43.9*	7.385	N	34.580	W	10	G	4.2	0.9	15	CENTRAL MID-ATLANTIC RIDGE
30	03	37	57.8&	40.853	N	123.687	W	31				6	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.2 (BRK).
30	04	39	29.0	45.578	N	26.364	E	135	D	4.7	1.2	183	ROMANIA. Felt in central Romania and at Bucharest. Felt (V) at Cahul and (IV) at Chisinau, Moldova. Also felt (III) at Izmayil and Odesa, Ukraine.
30	05	34	40.0%	33.846	S	70.762	W	100	G		0.4	14	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
30	05	42	17.0*	50.070	N	29.180	W	10	G	4.1 3.5	1.0	14	NORTHERN MID-ATLANTIC RIDGE
30	06	00	49.5&	63.503	N	150.748	W	11				33	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.6 (PMR).
30	06	16	32.0&	37.640	N	118.940	W	8				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
30	06	54	25.0%	45.896	N	14.592	E	10	G		0.3	5	NORTHWESTERN BALKAN REGION. ML 1.2 (LJU).
30	07	33	44.7?	31.67	S	69.83	W	160	G		0.4	12	SAN JUAN PROVINCE, ARGENTINA. MD 2.5 (SAN).
30	07	43	44.1?	32.40	S	71.65	W	10	G		0.6	13	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
30	07	58	16.1	6.143	S	147.477	E	103		5.2	1.1	42	EASTERN NEW GUINEA REG., P.N.G.
30	09	00	18.6?	43.74	N	7.49	E	5	G		1.1	6	NEAR SOUTH COAST OF FRANCE. ML 2.0 (LDG).
30	09	03	10.1	44.256	N	6.526	E	5	G		0.6	31	FRANCE. ML 2.8 (GEN), 2.6 (LDG), 2.4 (STR).
30	09	03	31.5	7.063	S	130.003	E	100	G	4.2	1.4	10	TANIMBAR ISLANDS REG., INDONESIA
30	09	31	03.4?	31.79	S	69.04	W	150	G		0.7	14	SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (SAN).

30	09	52	07.2%	45.881	N	5.403	E	10	G			0.4	6	FRANCE. ML 2.0 (LDG).
30	09	58	38.1	9.569	S	157.577	E	33	N	5.0		1.1	54	SOLOMON ISLANDS
30	10	16	28.2	33.714	S	70.529	W	90	G			0.2	13	CHILE-ARGENTINA BORDER REGION. MD 2.3 (SAN).
30	11	24	16.4%	44.340	N	7.490	E	5	G			0.6	6	NORTHERN ITALY. ML 1.9 (LDG).
30	11	44	13.1	21.558	S	176.544	W	200	G	4.5		0.9	54	FIJI ISLANDS REGION
30	11	54	06.5	25.362	N	96.571	E	33	N	4.5	4.7	1.3	43	MYANMAR
30	12	02	46.5&	54.884	N	161.882	W	3					13	ALASKA PENINSULA. <AEIC>. ML 2.7 (AEIC).
30	12	41	08.9&	61.454	N	141.400	W	0					24	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
30	13	28	47.4*	17.401	S	179.023	W	500	G	4.8		1.0	25	FIJI ISLANDS REGION
30	13	43	18.6	25.384	N	96.609	E	33	N	5.4	5.7	1.3	198	MYANMAR. Mw 5.8 (HRV), 5.7 (GS). Moment Tensor (GS): Dep 13; Principal axes (scale 10**17 Nm): (T) Val=4.55, Plg=8, Azm=348; (N) Val=0.00, Plg=78, Azm=219; (P) Val=-4.55, Plg=9, Azm=79; Best double couple: Mo=4.5*10**17 Nm; NP1: Strike=124, Dip=78, Slip=-1; NP2: Strike=214, Dip=89, Slip=-168. Centroid, Moment Tensor (HRV): Centroid origin time 13:43:23.7; Lat 25.01 N; Lon 96.52 E; Dep 54.4; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=5.09, Plg=7, Azm=347; (N) Val=0.10, Plg=83, Azm=174; (P) Val=-5.18, Plg=1, Azm=77; Best double couple: Mo=5.1*10**17 Nm; NP1: Strike=122, Dip=84, Slip=5; NP2: Strike=32, Dip=85, Slip=174.
30	14	26	20.2%	45.760	N	5.276	E	10	G			0.4	5	FRANCE. ML 2.1 (LDG).
30	14	29	01.9&	60.489	N	152.315	W	109		3.0			35	SOUTHERN ALASKA. <AEIC>.
30	14	50	59.5%	40.305	N	29.146	E	10	G			0.4	5	TURKEY. MD 2.7 (ISK).
30	14	54	33.2*	16.984	S	71.386	W	128	*	3.9		0.6	8	SOUTHERN PERU
30	15	54	31.2*	18.480	S	177.795	W	550	G	4.2		0.9	22	FIJI ISLANDS REGION
30	16	09	45.1?	44.58	N	7.15	E	5	G			0.7	4	NORTHERN ITALY. ML 1.9 (GEN).
30	16	18	43.3%	39.830	N	28.779	E	10	G			0.6	7	TURKEY. MD 3.3 (ISK).
30	16	21	54.9	44.541	N	7.059	E	10	G			0.4	19	NORTHERN ITALY. ML 2.2 (GEN), 1.9 (LDG).
30	16	46	03.7&	61.547	N	141.428	W	0					13	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
30	16	55	51.9	44.530	N	7.076	E	10	G			0.6	19	NORTHERN ITALY. ML 2.1 (GEN), 1.7 (LDG).
30	16	58	03.7*	75.629	N	7.015	E	10	G	3.6		0.6	7	GREENLAND SEA
30	17	10	35.5&	36.936	N	121.683	W	13					13	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK). Felt at Carmel and Watsonville.
30	18	16	19.7*	51.017	N	176.561	W	33	N	3.8		0.7	6	ANDREANOF ISLANDS, ALEUTIAN IS.
30	18	18	31.5*	28.779	N	47.502	E	10	G	4.4		0.8	11	EASTERN ARABIAN PENINSULA
30	18	20	35.3%	44.512	N	6.944	E	10	G			0.4	8	FRANCE. ML 2.1 (GEN).
30	18	23	09.6&	60.783	N	151.800	W	74					31	KENAI PENINSULA, ALASKA. <AEIC>.
30	18	49	39.5*	40.720	N	19.716	E	10	G			0.5	7	ALBANIA
30	18	53	30.0?	7.74	S	128.61	E	100	G	4.1		1.5	10	BANDA SEA
30	20	05	43.2*	3.615	N	126.518	E	100	G	3.6		1.0	10	TALAUD ISLANDS, INDONESIA
30	20	11	21.7	51.629	N	16.126	E	5	G			1.1	9	POLAND. ML 2.8 (VIE).
30	21	24	14.8*	26.572	N	126.040	E	147	*	3.6		0.9	15	RYUKYU ISLANDS
30	22	33	10.1	52.036	N	169.960	W	33	N	4.8		1.3	74	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.2 (PMR).
30	23	20	35.2*	3.019	S	129.043	E	103	?	3.5		0.5	9	SERAM, INDONESIA
30	23	48	44.7*	43.689	N	7.796	E	20	G			0.4	11	NEAR SOUTH COAST OF FRANCE. ML 2.2 (GEN), 1.7 (STR).
30	23	59	43.3&	60.050	N	153.062	W	128					27	SOUTHERN ALASKA. <AEIC>.
31	00	00	54.1%	45.903	N	6.155	E	10	G			0.6	6	FRANCE. ML 2.0 (LDG).
31	00	00	55.0	11.100	N	92.486	E	33	N	4.1		0.7	14	ANDAMAN ISLANDS, INDIA
31	00	28	41.1?	38.94	N	26.04	E	10	G			0.6	8	AEGEAN SEA. MD 3.8 (ISK).
31	00	42	31.8*	6.358	S	128.870	E	200	G	4.1		1.0	19	BANDA SEA
31	00	46	51.8?	12.36	N	88.10	W	100	G	4.0		1.5	10	OFF COAST OF CENTRAL AMERICA
31	00	58	12.1*	12.053	N	142.977	E	33	N	3.7		1.1	9	SOUTH OF MARIANA ISLANDS
31	01	16	43.3	43.387	N	146.584	E	57	D	4.6		1.1	72	KURIL ISLANDS. Felt (III) at Yuzhno-Kurilsk, Kunashir. Also felt (I JMA) in eastern Hokkaido.
31	03	14	43.0&	60.112	N	147.645	W	17					42	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.4 (PMR).
31	03	27	21.4?	44.44	N	7.34	E	10	G			0.3	4	NORTHERN ITALY. ML 1.5 (GEN).
31	03	46	34.3%	17.838	N	66.095	W	10	G			0.3	6	PUERTO RICO REGION. MD 3.0 (MPR).
31	04	59	14.1*	55.745	S	4.712	W	10	G	4.7		1.3	19	SOUTHERN MID-ATLANTIC RIDGE
31	06	16	43.6*	6.493	N	126.085	E	88	*	4.1		0.9	16	MINDANAO, PHILIPPINE ISLANDS
31	06	40	35.4%	34.458	S	70.394	W	10	G			0.2	10	CHILE-ARGENTINA BORDER REGION
31	06	47	11.5%	34.440	S	70.438	W	10	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
31	06	48	05.3*	1.585	N	66.830	E	10	G	4.7		0.8	16	CARLSBERG RIDGE
31	07	17	52.0?	40.79	N	27.80	E	10	G			0.4	4	TURKEY. MD 3.0 (ISK).
31	07	27	22.7&	36.798	N	121.523	W	8					9	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
31	07	35	26.2%	39.819	N	26.911	E	10	G			0.0	5	TURKEY. MD 2.9 (ISK).
31	07	56	41.5?	31.58	S	70.19	W	150	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
31	08	03	44.5?	34.98	N	86.05	E	33	N	3.7		0.7	5	XIZANG
31	08	07	28.6?	18.89	S	169.45	E	251	?	3.9		0.6	9	VANUATU ISLANDS
31	09	00	09.3*	9.496	N	40.512	W	10	G	3.4		1.0	7	CENTRAL MID-ATLANTIC RIDGE
31	10	25	15.0?	35.26	N	71.27	E	33	N	4.0		0.6	7	PAKISTAN
31	10	28	14.7*	0.274	S	123.454	E	33	N	4.6		0.9	21	MINAHASSA PENINSULA, SULAWESI
31	10	33	16.9*	46.853	N	152.746	E	116	?	4.5		1.2	37	KURIL ISLANDS
31	11	46	04.6%	44.324	N	7.483	E	5	G			0.5	6	NORTHERN ITALY. ML 2.0 (LDG).
31	11	51	05.9*	51.586	N	16.298	E	5	G			0.8	6	POLAND. ML 2.5 (CLL).
31	12	22	45.0&	33.192	N	115.608	W	10					23	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.1 (PAS). Felt in the Niland area.
31	12	27	06.0?	21.53	S	175.16	W	33	N	4.2		1.1	10	TONGA ISLANDS
31	12	35	03.5	52.967	N	165.512	W	33	N	4.2		1.2	40	SOUTH OF ALEUTIAN ISLANDS. ML 4.1 (AEIC), 4.6 (PMR).
31	12	47	07.2*	50.998	N	171.753	W	33	N	4.1		1.0	26	SOUTH OF ALEUTIAN ISLANDS
31	12	47	09.6?	38.69	N	28.54	E	10	G			0.9	4	TURKEY. MD 2.7 (ISK).
31	12	57	04.7	38.717	N	21.215	E	33	N	3.9		1.3	42	GREECE
31	13	05	46.2&	33.193	N	115.610	W	6					20	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
31	13	10	42.0%	39.806	N	28.610	E	10	G			0.6	5	TURKEY. MD 2.6 (ISK).
31	13	23	46.9%	44.125	N	7.580	E	10	G			0.6	9	NORTHERN ITALY. ML 1.9 (GEN).
31	13	28	30.0	34.533	N	106.154	W	5	G			0.7	16	NEW MEXICO. ML 3.5 (GS). Felt at Estancia, Moriarty and Mountainair.
31	13	32	06.6&	34.550	N	106.150	W	5	G				8	NEW MEXICO. <SPEC>. ML 3.5 (GS). Held to the approximate hypocenter of previous event.
31	13	33	58.9&	34.550	N	106.150	W	5	G				5	NEW MEXICO. <SPEC>. ML 3.4 (GS). Held to the hypocenter of previous event.
31	13	46	57.1*	45.699	N	149.119	E	33	N	4.2		1.2	16	KURIL ISLANDS

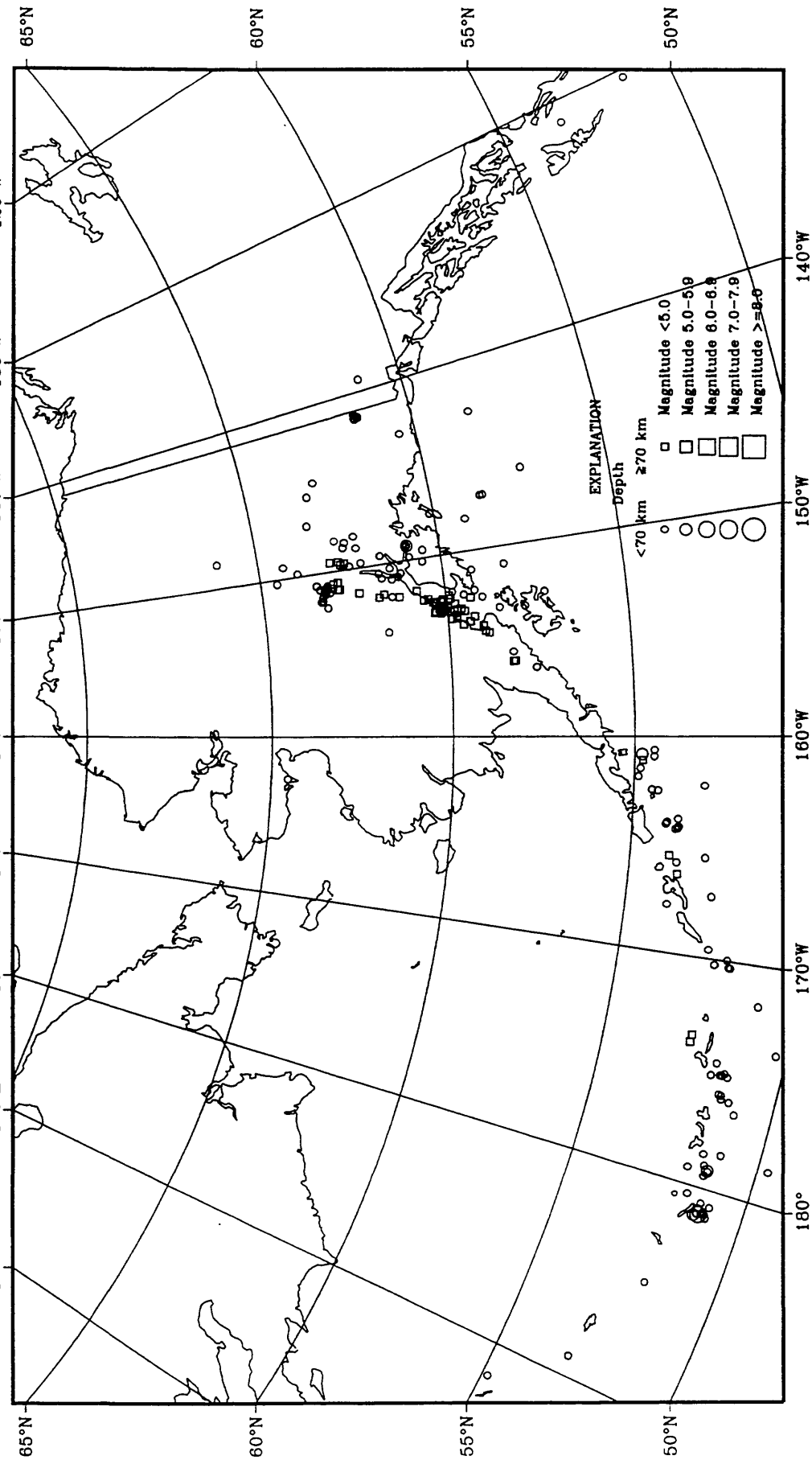
31	15	29	04.9%	34.296	S	70.167	W	10	G		0.2	13	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
31	16	02	15.4	42.874	N	12.989	E	10	G	4.5	1.2	193	CENTRAL ITALY. ML 4.5 (STR), 4.5 (VIE), 4.4 (FUR), 4.1 (LDG).
31	16	12	11.5*	42.825	N	12.914	E	10	G		1.5	23	CENTRAL ITALY. ML 3.4 (VIE), 3.2 (LDG).
31	17	03	49.4*	1.095	S	124.138	E	33	N	4.2	1.0	12	SOUTHERN MOLUCCA SEA
31	17	49	17.7&	61.495	N	141.336	W	0				21	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.3 (PMR).
31	17	50	08.3*	42.870	N	1.336	E	5	G		0.8	6	PYRENEES. ML 2.9 (LDG), 2.8 (STR).
31	18	15	40.6*	44.075	N	10.250	E	5	G		1.3	12	NORTHERN ITALY. ML 2.5 (LDG).
31	18	24	45.8*	3.579	S	149.207	E	33	N	4.2	1.2	15	BISMARCK SEA
31	18	31	55.6*	3.702	S	148.973	E	33	N	4.1	1.0	14	BISMARCK SEA
31	18	33	26.1*	3.464	S	148.706	E	33	N	4.2	1.0	14	BISMARCK SEA
31	18	42	28.8	51.662	N	16.235	E	5	G		0.9	10	POLAND
31	18	43	38.0&	61.459	N	141.437	W	0				10	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
31	18	50	34.9*	3.243	S	148.615	E	33	N	4.2	0.9	10	BISMARCK SEA
31	19	01	46.8?	18.44	S	177.83	W	650	G	3.8	0.7	9	FIJI ISLANDS REGION
31	19	02	37.3?	3.28	S	147.19	E	33	N	4.1	0.7	6	BISMARCK SEA
31	19	31	24.9*	3.517	S	149.141	E	33	N	4.1	0.9	10	BISMARCK SEA
31	19	31	46.7*	17.212	S	172.534	W	33	N	4.2	0.6	16	TONGA ISLANDS REGION
31	19	48	40.8?	18.10	S	174.49	W	33	N	4.0	0.4	10	TONGA ISLANDS
31	19	53	11.2*	16.414	N	121.116	E	33	N	4.2	1.1	19	LUZON, PHILIPPINE ISLANDS
31	20	32	16.6&	61.147	N	139.330	W	0				11	SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 3.0 (AEIC).
31	20	36	47.3&	37.631	N	118.870	W	7		4.8		106	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 4.8 (BRK). ML 4.8 (GM). Minor damage from falling ice at Mammoth Lakes, California. Also felt at Mammoth Mountain, California. Moment Tensor (BRK): Dep 8; Principal axes (scale 10**16 Nm): (T) Val=1.60, Plg=22, Azm=245; (N) Val=0.00, Plg=62, Azm=24; (P) Val=-1.60, Plg=16, Azm=148; Best double couple: Mo=1.6*10**16 Nm; NP1: Strike=17, Dip=86, Slip=28; NP2: Strike=285, Dip=62, Slip=175.
31	20	41	47.5&	37.629	N	118.859	W	7				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.1 (GS).
31	21	11	27.7%	33.704	S	71.304	W	50	G		0.2	12	NEAR COAST OF CENTRAL CHILE
31	21	31	35.8	35.301	N	86.880	E	33	N	4.3	1.1	27	XIZANG
31	21	34	39.5&	37.635	N	118.871	W	8				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.0 (GS).
31	21	39	44.7?	18.50	N	66.13	W	100	G		0.3	9	PUERTO RICO REGION. MD 3.1 (MPR).
31	21	56	32.1&	37.632	N	118.867	W	6				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.8 (GS).
31	22	02	39.4%	35.330	S	71.378	W	100	G		0.4	13	CENTRAL CHILE
31	22	04	10.5&	60.364	N	152.522	W	103				20	SOUTHERN ALASKA. <AEIC>.
31	22	12	20.7*	59.128	S	25.432	W	33	N		0.8	13	SOUTH SANDWICH ISLANDS REGION
31	22	25	02.3?	4.59	S	154.51	E	33	N	3.7	0.9	7	SOLOMON ISLANDS
31	22	30	36.6%	33.095	S	69.959	W	110	G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
31	22	38	49.6%	46.081	N	14.759	E	10	G		0.4	7	NORTHWESTERN BALKAN REGION. ML 1.2 (LJU).
31	22	39	41.8	5.802	S	145.480	E	117		4.3	0.9	17	EASTERN NEW GUINEA REG., P.N.G.
31	22	44	17.0&	37.655	N	118.868	W	3				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
31	22	52	27.9&	37.642	N	118.858	W	7				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
31	22	58	42.7&	37.641	N	118.857	W	7				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.8 (GS).
31	23	09	00.0?	4.08	S	140.44	E	33	N		1.1	7	IRIAN JAYA, INDONESIA
31	23	10	48.8	6.190	S	106.175	E	150	G	4.2	0.7	16	JAWA, INDONESIA
31	23	11	31.6&	37.637	N	118.867	W	7				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
31	23	20	37.9	50.564	N	18.921	E	5	G		0.9	6	POLAND. MG 3.0 (WAR).
31	23	21	50.7&	37.631	N	118.879	W	7				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.7 (GS).
31	23	49	59.0&	37.638	N	118.862	W	7				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM).
31	23	54	51.4&	37.640	N	118.865	W	7				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.9 (GS).
31	23	57	15.1&	37.648	N	118.844	W	7				5	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).

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.

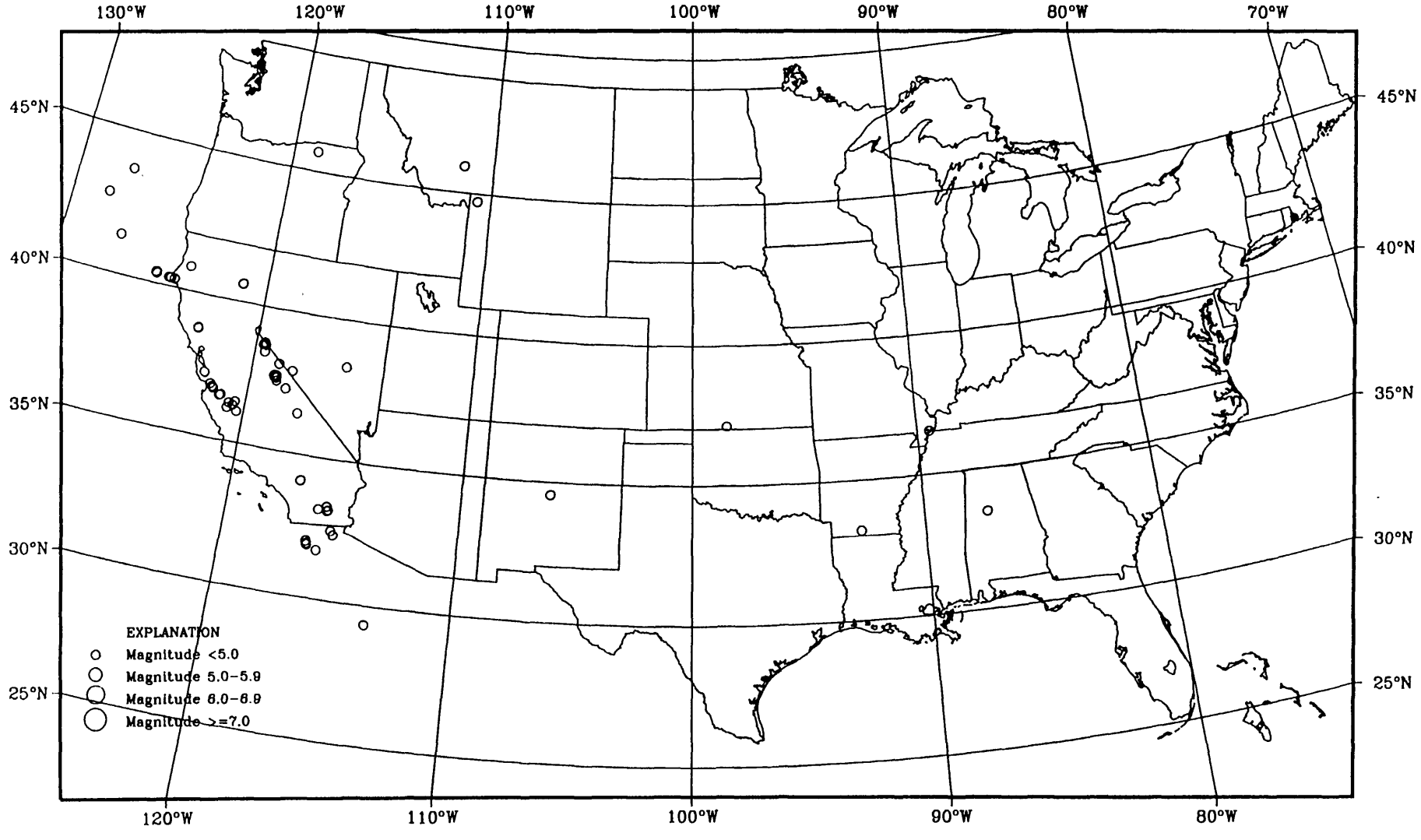
Earthquake Focal Mechanisms for December 1997



Earthquake epicenters in Alaska and adjacent regions for December 1997



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



Earthquakes located worldwide in December 1997