UNITED STATES DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS MONTHLY LISTING

JANUARY – MARCH 1997

NATIONAL EARTHQUAKE INFORMATION CENTER

Open-File Report

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1998

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National Earthquake Information Center

JANUARY 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	30	20.3*	13.030	N	88.083	W	33	N	4.5		0.7	20	EL SALVADOR
01	01	44	02.3	45.664	N	26.577	E	141		3.6		0.7	15	ROMANIA
01	02	22	17.3&	63.360	N	147.440	W	64					52	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
01	02	32	27.6*	15.359	S	173.361	W	83	D	4.2		1.0	23	TONGA ISLANDS
01	02	44	01.5?	2.52	N	127.54	E	125	?	3.8		0.8	7	NORTHERN MOLUCCA SEA
01	03	30	45.3*	30.258	N	68.117	E	40	D	4.5		0.9	30	PAKISTAN. Felt at Harnai.
01	03	53	58.3&	33.292	S	71.913	W	20	G			0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
01	04	35	51.8	6.813	N	72.894	W	164	D	5.0		1.1	150	NORTHERN COLOMBIA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:35:55.2; Lat 6.98 N; Lon 72.91 W; Dep 164.3; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.90, Plg=50, Azm=102; (N) Val=0.39, Plg=38, Azm=261; (P) Val=-1.29, Plg=10, Azm=359; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=126, Dip=48, Slip=146; NP2: Strike=240, Dip=66, Slip=47.
01	05	28	01.0	15.097	S	75.627	W	33	N	4.5		1.0	40	NEAR COAST OF PERU
01	05	49	22.2	34.350	N	37.299	W	10	G	4.8	4.2	1.0	69	NORTHERN MID-ATLANTIC RIDGE
01	07	10	39.9?	15.66	S	72.20	W	100	G	3.6		0.5	5	SOUTHERN PERU
01	07	56	58.1?	4.43	S	140.03	E	33	N	3.4		1.0	5	IRIAN JAYA, INDONESIA
01	08	42	13.3&	63.260	N	151.103	W	7					38	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
01	08	48	46.4?	34.76	S	179.52	W	33	N	4.3		0.8	8	SOUTH OF KERMADEC ISLANDS
01	09	23	40.4&	37.113	N	4.283	W	15	G			0.4	6	SPAIN. mbLg 2.3 (MDD).
01	09	40	26.1?	33.97	S	179.07	W	33	N	3.8		0.5	6	SOUTH OF KERMADEC ISLANDS
01	09	44	11.8?	4.89	S	152.30	E	33	N	4.4		0.6	6	NEW BRITAIN REGION, P.N.G.
01	10	13	54.1&	61.470	N	149.866	W	37					5	SOUTHERN ALASKA. <AEIC>. ML 2.2 (AEIC), 2.8 (PMR).
01	10	14	22.5*	56.537	N	152.149	W	33	N			1.0	18	KODIAK ISLAND REGION
01	10	24	21.5?	2.23	S	138.46	E	33	N	3.4		0.5	6	IRIAN JAYA, INDONESIA
01	10	38	50.6	34.727	N	25.371	E	33	N	4.1		1.0	49	CRETE
01	11	19	36.1?	37.07	N	141.68	E	10	G			0.9	6	NEAR EAST COAST OF HONSHU, JAPAN
01	11	44	56.6	34.407	N	37.354	W	10	G	4.8	4.8	1.0	71	NORTHERN MID-ATLANTIC RIDGE
01	11	46	34.0?	32.89	S	178.39	W	33	N	4.7		1.1	15	SOUTH OF KERMADEC ISLANDS
01	12	34	27.9*	3.524	N	127.303	E	100	G	4.0		1.2	9	TALAUD ISLANDS, INDONESIA
01	12	54	03.9&	32.858	S	71.363	W	50	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
01	13	15	15.8?	22.18	S	174.59	W	33	N	4.3		0.7	6	TONGA ISLANDS REGION
01	14	55	53.0*	16.591	S	67.023	E	10	G	4.7	4.5	0.8	23	MID-INDIAN RIDGE
01	15	05	39.3	30.632	N	132.949	E	33	N	4.6		1.1	32	SOUTHEAST OF SHIKOKU, JAPAN
01	15	31	09.8*	16.381	S	67.048	E	10	G	4.4		0.9	11	MID-INDIAN RIDGE
01	15	41	28.2&	37.168	N	4.247	W	10	G			0.5	8	SPAIN. mbLg 2.7 (MDD).
01	16	18	53.3*	52.161	N	176.118	W	90	*	3.7		1.0	21	ANDREANOF ISLANDS, ALEUTIAN IS.
01	16	53	00.0*	14.722	N	92.404	W	150	G	4.3		0.6	15	NEAR COAST OF CHIAPAS, MEXICO
01	17	24	22.6*	36.981	N	135.508	E	361		4.1		0.3	10	SEA OF JAPAN
01	17	47	35.4&	47.448	N	1.409	W	10	G			0.5	7	FRANCE. ML 2.5 (LDG).
01	17	52	44.2*	10.532	N	63.278	W	33	N	3.5		1.1	7	NEAR COAST OF VENEZUELA. MD 3.4 (TRN).
01	17	54	34.6?	0.85	S	133.46	E	33	N	3.8		0.8	8	IRIAN JAYA REGION, INDONESIA
01	18	07	02.8*	8.562	S	157.579	E	33	N	4.3		1.0	28	SOLOMON ISLANDS
01	18	30	25.2&	37.212	N	69.615	E	33	N			0.7	5	AFGHANISTAN-TAJIKISTAN BORD REG.
01	18	49	44.5?	2.68	S	130.70	E	33	N	3.5		0.8	5	SERAM, INDONESIA
01	19	32	49.5*	16.651	N	94.352	W	100	G	4.2		1.0	37	OAXACA, MEXICO
01	19	48	08.0&	85.398	N	14.685	E	10	G			1.4	9	NORTH OF SVALBARD
01	19	56	42.8	47.224	N	9.405	E	10	G			0.9	38	GERMANY. ML 3.0 (STR), 3.0 (VIE), 2.8 (LDG).
01	19	57	11.4*	23.713	S	179.784	E	600	G	4.9		0.9	35	SOUTH OF FIJI ISLANDS
01	20	00	56.0?	34.22	S	179.04	W	33	N			0.9	5	SOUTH OF KERMADEC ISLANDS
01	20	34	13.8?	47.98	N	152.71	E	100	G	4.5		1.3	9	KURIL ISLANDS
01	21	22	52.9?	17.54	S	167.64	E	33	N	4.1		1.2	10	VANUATU ISLANDS
01	21	23	11.3&	65.126	N	148.595	W	11					14	NORTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
01	21	59	56.1?	21.17	N	119.90	E	33	N	4.0		1.0	5	TAIWAN REGION
01	22	27	01.1&	46.771	N	120.459	W	19					54	WASHINGTON. <SEA-P>. MD 3.7 (SEA).
01	22	32	32.3	0.127	S	123.823	E	115	D	5.9		1.0	178	MINAHASSA PENINSULA, SULAWESI. Mw 5.8 (GS), 5.8 (HRV). Me 5.7 (GS). Broadband Source Parameters (GS): Dep 110; NP1: Strike=180, Dip=35, Slip=105; NP2: Strike=342, Dip=56, Slip=80;

Radiated energy 7.9*10**12 Nm.
Moment Tensor (GS): Dep 99; Principal axes (scale 10**17 Nm): (T) Val=5.61, Plg=59, Azm=326; (N) Val=0.63, Plg=30, Azm=164; (P) Val=-6.24, Plg=8, Azm=70; Best double couple: Mo=5.9*10**17 Nm; NP1: Strike=130, Dip=45, Slip=45; NP2: Strike=4, Dip=60, Slip=125.
Centroid, Moment Tensor (HRV): Centroid origin time 22:32:35.4; Lat 0.14 S; Lon 124.10 E; Dep 120.0; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.29, Plg=64, Azm=328; (N) Val=-0.75, Plg=24, Azm=174; (P) Val=-5.54, Plg=11, Azm=80; Best double couple: Mo=5.9*10**17 Nm; NP1: Strike=143, Dip=40, Slip=51; NP2: Strike=9, Dip=60, Slip=118.

01	22	43	32.3	5.977	S	129.665	E	177	5.0	0.8	31	BANDA SEA
01	22	51	37.8%	33.697	S	71.048	W	100 G		1.3	10	NEAR COAST OF CENTRAL CHILE
01	23	02	45.0%	46.251	N	7.165	E	10 G		0.7	11	SWITZERLAND. ML 2.3 (LDG).
01	23	46	19.1%	44.390	N	7.381	E	10 G		0.3	7	NORTHERN ITALY
02	00	40	36.3	51.725	N	16.102	E	5 G		0.7	18	POLAND. ML 3.5 (VIE).
02	01	43	19.5*	2.238	S	139.452	E	33 N	3.8	0.9	9	NEAR NORTH COAST OF IRIAN JAYA
02	02	35	39.1?	49.13	N	153.05	E	200 G		0.8	7	KURIL ISLANDS
02	02	43	40.7*	10.398	S	124.075	E	33 N	3.9	1.2	9	TIMOR REGION, INDONESIA
02	02	57	51.6	23.860	S	179.870	W	500 G	5.1	0.9	107	SOUTH OF FIJI ISLANDS. Mw 5.4 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 02:57:58.7; Lat 23.66 S; Lon 179.58 W; Dep 528.1; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.30, Plg=55, Azm=115; (N) Val=-0.18, Plg=3, Azm=210; (P) Val=-1.12, Plg=34, Azm=303; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=48, Dip=11, Slip=108; NP2: Strike=210, Dip=80, Slip=87.

02	02	58	22.1%	44.352	N	7.395	E	15 G		0.2	7	NORTHERN ITALY. ML 1.9 (GEN).
02	03	11	01.9?	21.90	S	168.97	E	33 N		1.1	6	LOYALTY ISLANDS
02	03	52	31.6?	30.54	N	77.84	E	33 N	3.5	0.9	7	NORTHERN INDIA
02	05	03	05.3%	33.199	N	132.176	E	33 N		1.1	5	SHIKOKU, JAPAN
02	06	31	43.7	22.374	N	121.126	E	33 N	4.5	1.1	25	TAIWAN REGION
02	07	33	50.1?	30.20	S	72.91	W	20 G		0.6	8	OFF COAST OF CENTRAL CHILE
02	07	48	38.1?	3.06	S	68.79	E	10 G		1.3	6	CHAGOS ARCHIPELAGO REGION
02	08	06	18.8*	41.433	N	142.831	E	10 G		1.1	14	HOKKAIDO, JAPAN REGION
02	08	36	00.1?	1.79	S	133.77	E	33 N	3.6	0.4	6	IRIAN JAYA REGION, INDONESIA
02	09	21	22.0?	6.50	S	156.09	E	33 N	4.1	0.5	6	SOLOMON ISLANDS
02	09	47	02.0?	60.94	S	50.83	W	10 G	4.0	1.2	8	SCOTIA SEA
02	09	47	55.3?	4.16	S	128.26	E	33 N	3.9	1.2	10	BANDA SEA
02	10	18	19.4	23.989	S	66.721	W	200 G	4.2	0.8	20	JUJUY PROVINCE, ARGENTINA
02	10	21	56.7?	6.22	S	129.74	E	100 G	4.1	1.1	6	BANDA SEA
02	10	28	10.6	23.399	S	169.633	E	33 N	4.0	1.2	8	LOYALTY ISLANDS REGION
02	10	29	01.0?	40.11	S	176.20	E	33 N	4.3	0.6	7	NORTH ISLAND, NEW ZEALAND
02	10	39	38.6%	34.429	S	70.462	W	10 G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
02	10	52	35.0	10.568	N	92.742	E	33 N	5.1	0.9	117	ANDAMAN ISLANDS, INDIA
02	10	56	59.7	51.670	N	16.202	E	10 G		0.7	14	POLAND. ML 3.4 (VIE).
02	11	11	46.3	35.491	N	135.665	E	358	4.6	1.0	127	WESTERN HONSHU, JAPAN
02	12	13	25.1?	34.49	N	37.35	W	10 G	3.2	1.3	6	NORTHERN MID-ATLANTIC RIDGE
02	12	31	14.3	0.449	N	126.442	E	41 *	5.1	1.1	64	NORTHERN MOLUCCA SEA. Mw 5.4 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 12:31:19.1; Lat 0.54 N; Lon 126.53 E; Dep 29.8; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.32, Plg=58, Azm=8; (N) Val=-0.24, Plg=25, Azm=231; (P) Val=-1.08, Plg=19, Azm=131; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=187, Dip=34, Slip=41; NP2: Strike=61, Dip=69, Slip=117.

02	12	37	34.9?	0.43	N	126.23	E	33 N	4.5	1.3	13	NORTHERN MOLUCCA SEA
02	12	51	31.0*	0.529	N	126.533	E	33 N	4.4	1.3	13	NORTHERN MOLUCCA SEA
02	14	19	25.0*	45.254	N	149.448	E	33 N	3.6	0.7	12	KURIL ISLANDS
02	14	26	40.7*	7.031	S	124.117	E	500 G	4.8	1.3	30	BANDA SEA
02	14	30	03.4?	15.22	S	173.58	W	33 N		0.5	8	TONGA ISLANDS
02	15	16	20.3*	39.631	N	73.147	E	33 N	3.0	1.1	12	TAJIKISTAN-XINJIANG BORDER REG.
02	15	22	10.3*	37.412	N	20.655	E	10 G		1.3	15	IONIAN SEA
02	15	22	19.1	37.546	N	20.829	E	10 G	4.5	1.2	53	IONIAN SEA. ML 4.4 (THE).
02	15	44	26.8?	11.49	S	166.71	E	200 G	4.2	1.3	12	SANTA CRUZ ISLANDS
02	15	44	49.9?	0.68	N	127.60	E	33 N	3.6	1.4	7	HALMAHERA, INDONESIA
02	16	06	42.7?	8.46	S	129.19	E	33 N	3.5	1.2	6	TIMOR SEA
02	16	16	12.1%	37.167	N	4.227	W	10 G		0.7	11	SPAIN. mbLg 3.0 (MDD).
02	16	19	32.3*	18.821	N	145.531	E	250 G	4.8	1.3	24	MARIANA ISLANDS
02	16	26	54.1	23.857	S	64.961	W	33 N	4.2	0.7	16	JUJUY PROVINCE, ARGENTINA
02	16	35	18.9	2.292	N	128.468	E	33 N	4.6	0.9	21	HALMAHERA, INDONESIA
02	16	37	27.4*	81.403	N	119.075	E	10 G	3.4	1.3	10	EAST OF SEVERNAYA ZEMLYA, RUSSIA
02	17	26	08.3?	23.45	S	170.66	E	33 N		1.1	6	LOYALTY ISLANDS REGION
02	17	40	23.0&	60.415	N	149.599	W	30			87	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.4 (AEIC), 3.5 (PMR). Felt at Cooper Landing, Moose Pass and Seward.
02	17	44	39.6*	14.155	S	166.643	E	33 N	4.7	1.1	46	VANUATU ISLANDS
02	18	03	47.1?	4.61	S	135.43	E	33 N	4.3	1.3	7	IRIAN JAYA REGION, INDONESIA
02	18	20	20.8	14.167	S	166.836	E	33 N	5.1 4.9	1.0	98	VANUATU ISLANDS. Mw 5.4 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 18:20:25.4; Lat 14.03 S; Lon 166.24 E; Dep 18.0 Bdy; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.45, Plg=61, Azm=345; (N) Val=-0.30, Plg=28, Azm=148; (P) Val=-1.14, Plg=7, Azm=242; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=0, Dip=45, Slip=132; NP2: Strike=129, Dip=58, Slip=56.

02	19	03	58.4&	45.863	N	118.181	W	8			26	OREGON. <SEA-P>. MD 2.9 (SEA).
02	19	09	42.9?	14.16	S	166.58	E	33 N		1.1	10	VANUATU ISLANDS
02	19	24	33.1	14.183	S	166.779	E	33 N	4.6	1.0	61	VANUATU ISLANDS
02	19	53	01.6	44.121	N	7.401	E	10 G		0.3	14	NORTHERN ITALY. ML 2.4 (GEN), 2.2 (LDG).
02	20	09	01.8	4.242	S	143.505	E	98	4.9	1.2	61	NEW GUINEA, PAPUA NEW GUINEA. Mw 5.2 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time

													20:09:04.4; Lat 4.45 S; Lon 143.46 E; Dep 84.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.07, Plg=29, Azm=278; (N) Val=-0.24, Plg=60, Azm=118; (P) Val=-6.83, Plg=9, Azm=13; Best double couple: Mo=6.9*10**16 Nm; NP1: Strike=59, Dip=63, Slip=15; NP2: Strike=322, Dip=77, Slip=152.
02	20	36	59.2&	59.880	N	152.880	W	110				61	SOUTHERN ALASKA. <AEIC>.
02	20	45	38.8*	47.217	N	154.329	E	33	N	3.4	1.1	18	KURIL ISLANDS
02	20	58	38.9	31.866	S	67.166	W	128	D	4.5	1.0	27	SAN JUAN PROVINCE, ARGENTINA
02	21	30	37.5	0.655	N	124.066	E	191	*	5.2	1.2	51	MINAHASSA PENINSULA, SULAWESI
02	22	06	03.2?	29.59	S	178.01	W	33	N	4.1	0.7	6	KERMADEC ISLANDS, NEW ZEALAND
02	22	13	07.4?	32.48	S	179.05	W	200	G	4.6	1.0	18	SOUTH OF KERMADEC ISLANDS
02	22	14	01.2?	14.34	S	166.56	E	33	N		1.4	6	VANUATU ISLANDS
02	22	36	09.2&	39.014	N	123.061	W	3				68	NEAR COAST OF NORTHERN CALIF. <GM-P>. Mw 4.1 (BRK). MD 3.5 (GM). ML 4.0 (BRK), 3.8 (GS). Felt at Kelseyville. Scalar Moment (BRK): Mo=1.4*10**15 Nm.
02	23	39	44.4?	0.51	N	126.59	E	33	N	4.3	1.3	10	NORTHERN MOLUCCA SEA
03	00	00	38.2	34.483	N	32.158	E	10	G	4.5 3.6	1.0	89	CYPRUS REGION. ML 4.4 (JER). MD 4.1 (HLW).
03	00	11	01.7&	34.422	S	70.453	W	10	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
03	00	32	47.6?	29.77	S	177.88	W	33	N	4.4	0.8	11	KERMADEC ISLANDS, NEW ZEALAND
03	00	51	20.0*	64.089	N	18.109	W	10	G	4.2 3.5	1.2	19	ICELAND
03	00	56	53.9*	24.048	N	123.749	E	33	N	4.6	1.1	22	SOUTHWESTERN RYUKYU ISLANDS
03	01	22	10.4	1.813	N	126.930	E	85	*	4.5	0.9	23	NORTHERN MOLUCCA SEA
03	01	35	16.9	2.641	N	96.318	E	33	N	4.6	0.7	14	NORTHERN SUMATERA, INDONESIA
03	02	22	18.0	13.506	N	88.048	W	180	D	4.8	1.0	141	EL SALVADOR. Felt (II) at San Salvador.
03	03	11	22.2*	38.615	N	72.171	E	68	?		1.0	14	TAJIKISTAN
03	03	23	25.7?	26.41	S	27.82	E	5	G	4.2	1.5	9	REPUBLIC OF SOUTH AFRICA
03	03	56	11.6	22.807	S	175.388	W	33	N	4.8	0.9	39	TONGA ISLANDS REGION
03	03	58	22.1	19.224	S	174.838	W	140	D	5.7	0.9	316	TONGA ISLANDS. Mw 6.0 (GS), 6.0 (HRV). Me 5.6 (GS). Broadband Source Parameters (GS): Dep 138; NP1: Strike=35, Dip=70, Slip=100; NP2: Strike=188, Dip=22, Slip=64; Radiated energy 6.1*10**12 Nm. Moment Tensor (GS): Dep 139; Principal axes (scale 10**18 Nm): (T) Val=1.15, Plg=59, Azm=326; (N) Val=0.00, Plg=16, Azm=207; (P) Val=-1.15, Plg=25, Azm=109; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=167, Dip=24, Slip=48; NP2: Strike=32, Dip=72, Slip=107. Centroid, Moment Tensor (HRV): Centroid origin time 03:58:28.8; Lat 19.15 S; Lon 174.26 W; Dep 146.6; Half-duration 2.5 sec; Principal axes (scale 10**18 Nm): (T) Val=1.21, Plg=61, Azm=315; (N) Val=-0.09, Plg=9, Azm=208; (P) Val=-1.12, Plg=28, Azm=113; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=180, Dip=19, Slip=61; NP2: Strike=31, Dip=73, Slip=100.
03	04	23	01.5	11.980	S	166.146	E	33	N	4.9 4.9	1.0	41	SANTA CRUZ ISLANDS
03	04	48	08.4	46.965	N	7.095	E	5	G		0.4	7	SWITZERLAND. ML 2.3 (LDG).
03	04	58	38.2	28.266	N	139.142	E	525		4.5	0.8	26	BONIN ISLANDS REGION
03	04	59	56.1?	0.40	N	126.04	E	33	N	4.5	1.2	8	NORTHERN MOLUCCA SEA
03	05	08	41.9?	26.45	S	27.74	E	5	G		1.8	5	REPUBLIC OF SOUTH AFRICA
03	05	11	38.0&	56.217	N	114.881	E	10	G		1.5	8	EAST OF LAKE BAYKAL, RUSSIA
03	05	15	49.3*	22.999	S	68.869	W	33	N		1.3	10	NORTHERN CHILE
03	05	21	04.5&	45.073	N	7.389	E	10	G		0.4	12	NORTHERN ITALY. ML 2.3 (GEN).
03	05	29	36.0&	60.280	N	151.950	W	51				59	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
03	05	39	27.4&	58.873	N	152.712	W	63				66	KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
03	05	52	25.5	44.249	N	9.845	E	10	G		0.8	38	NORTHERN ITALY. ML 2.8 (GEN), 2.8 (LDG), 2.4 (VIE).
03	06	56	49.2*	12.006	S	166.147	E	33	N	4.4	1.4	22	SANTA CRUZ ISLANDS
03	07	15	57.4*	11.855	S	166.343	E	33	N	4.3	1.5	23	SANTA CRUZ ISLANDS
03	09	59	49.0?	17.17	S	178.93	W	500	G	4.2	0.4	8	FIJI ISLANDS REGION
03	11	21	42.4?	43.99	N	149.30	E	33	N		1.5	8	EAST OF KURIL ISLANDS
03	11	30	49.4	43.987	N	8.747	E	10	G		0.8	25	CORSICA. ML 3.0 (LDG), 2.9 (STR), 2.7 (GEN).
03	12	10	00.9*	3.942	S	129.057	E	100	G	4.0	0.8	5	SERAM, INDONESIA
03	12	21	51.3*	15.006	S	172.576	W	33	N		0.5	12	SAMOA ISLANDS REGION
03	12	38	22.1&	44.361	N	7.326	E	10	G		0.2	5	NORTHERN ITALY. ML 1.7 (GEN).
03	12	40	18.7*	11.953	S	166.206	E	33	N	4.9 4.5	1.4	32	SANTA CRUZ ISLANDS
03	12	41	55.5&	35.438	N	78.320	E	33	N		0.8	10	EASTERN KASHMIR
03	12	43	29.8&	7.596	N	81.035	W	10	G		1.0	8	PANAMA. MD 4.2 (UPA).
03	12	51	00.1?	35.10	S	71.20	W	90	G		0.3	9	CENTRAL CHILE
03	13	19	46.4?	10.18	S	119.04	E	100	G	4.1	1.2	9	SUMBA REGION, INDONESIA
03	13	39	53.5*	56.204	S	25.612	W	33	N		0.7	11	SOUTH SANDWICH ISLANDS REGION
03	14	17	07.1*	22.108	N	121.370	E	90	?		1.2	18	TAIWAN REGION
03	15	01	08.2*	43.736	N	18.248	E	10	G		1.3	8	NORTHWESTERN BALKAN REGION
03	15	05	43.5*	0.822	S	120.761	E	33	N	3.9	1.0	13	MINAHASSA PENINSULA, SULAWESI
03	15	35	12.3*	9.071	N	93.663	E	33	N	4.6	1.0	26	NICOBAR ISLANDS, INDIA
03	15	45	55.3*	56.621	N	151.867	W	33	N		0.9	11	KODIAK ISLAND REGION
03	17	36	26.6*	5.686	N	95.377	E	200	G		0.7	9	NORTHERN SUMATERA, INDONESIA
03	17	52	35.8*	39.480	N	75.668	E	33	N	4.4	1.3	20	SOUTHERN XINJIANG, CHINA
03	17	54	26.1*	1.834	S	12.881	W	10	G	4.7 3.9	1.0	17	NORTH OF ASCENSION ISLAND
03	18	26	40.6*	24.385	N	122.564	E	33	N		1.0	5	TAIWAN REGION
03	19	15	38.6*	29.284	N	81.553	E	33	N		1.0	8	NEPAL
03	20	14	49.3*	4.871	S	153.485	E	33	N	4.1	1.0	12	NEW IRELAND REGION, P.N.G.
03	20	19	34.2?	52.31	S	71.64	W	33	N		0.9	10	SOUTHERN CHILE
03	21	01	29.1*	11.976	N	41.614	E	10	G	4.5 3.8	1.0	24	ETHIOPIA
03	21	39	26.6	8.079	N	82.816	W	33	N	4.8	1.2	27	PANAMA-COSTA RICA BORDER REGION. MD 4.7 (UPA).
03	21	51	28.3	60.958	N	167.396	E	10	G	5.7 4.9	0.9	315	EASTERN SIBERIA, RUSSIA. Mw 5.4 (GS), 5.4 (HRV). Me 5.4 (GS). Broadband Source Parameters (GS): Dep 6; NP1: Strike=215, Dip=55, Slip=90; NP2: Strike=35, Dip=35, Slip=90; Radiated energy 2.7*10**12 Nm. Moment Tensor (GS): Dep 9; Principal axes (scale 10**17 Nm): (T) Val=1.35, Plg=66, Azm=150; (N) Val=0.28, Plg=13, Azm=30; (P) Val=-1.63, Plg=20, Azm=295; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=3, Dip=27, Slip=61; NP2: Strike=215, Dip=66, Slip=104. Centroid, Moment Tensor (HRV): Centroid origin time

													21:51:31.6; Lat 60.86 N; Lon 167.71 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.33, Plg=64, Azm=124; (N) Val=0.08, Plg=1, Azm=33; (P) Val=-1.41, Plg=26, Azm=303; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=31, Dip=19, Slip=88; NP2: Strike=213, Dip=71, Slip=91.
03	22	00	53.4?	44.54	N	146.60	E	118	?		1.3	6	KURIL ISLANDS
03	22	06	49.1*	21.785	N	121.409	E	33	N	4.3	1.0	15	TAIWAN REGION
03	22	12	25.0&	44.385	N	7.373	E	10	G		0.4	9	NORTHERN ITALY. ML 2.0 (GEN).
03	22	40	41.0	61.061	N	167.134	E	10	G	4.7	1.2	60	EASTERN SIBERIA, RUSSIA
03	22	42	20.8	45.230	N	6.513	E	10	G		0.5	20	FRANCE. ML 2.5 (GEN), 2.3 (LDG).
03	22	42	33.4	43.071	N	0.511	W	10	G		1.3	7	PYRENEES. ML 2.8 (LDG). mbLg 2.8 (MDD). Felt (II) in the Ossau Valley, France.
03	23	09	45.9*	3.055	S	130.201	E	33	N	4.6	1.0	21	SERAM, INDONESIA
03	23	41	04.6	52.072	N	153.382	E	411	*	4.4	0.7	60	NORTHWEST OF KURIL ISLANDS
04	00	16	42.2?	10.95	N	138.87	E	33	N		1.6	5	WESTERN CAROLINE ISLANDS
04	00	21	25.3*	39.361	N	73.630	E	85	?		1.2	15	TAJIKISTAN-XINJIANG BORDER REG.
04	02	12	23.4	6.905	S	155.417	E	33	N	4.6	0.7	44	SOLOMON ISLANDS
04	02	16	16.1?	26.07	S	26.59	E	5	G		0.9	5	REPUBLIC OF SOUTH AFRICA
04	02	27	56.0&	63.019	N	150.457	W	94				70	CENTRAL ALASKA. <AEIC>.
04	03	23	30.3&	32.953	S	71.516	W	50	G		0.5	9	NEAR COAST OF CENTRAL CHILE. MD 2.9 (SAN).
04	03	36	05.0	12.490	N	89.053	W	50	G	4.9 5.0	1.0	97	OFF COAST OF CENTRAL AMERICA. Felt (II) at San Salvador, El Salvador.
04	03	42	34.2	65.024	N	133.883	W	10	G		1.4	20	NORTHERN YUKON TERRITORY, CANADA
04	04	04	48.5*	8.042	S	128.660	E	174	*	4.5	0.8	12	TIMOR SEA
04	04	14	09.0?	32.35	S	71.67	W	33	N		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
04	04	49	51.1?	50.92	N	178.66	W	33	N		1.1	5	ANDREANOF ISLANDS, ALEUTIAN IS.
04	05	08	51.6&	46.586	N	2.846	E	10	G		1.1	7	FRANCE. ML 2.2 (LDG).
04	05	34	41.0*	14.493	N	145.918	E	74	*	4.6	1.3	35	MARIANA ISLANDS
04	06	12	53.2*	60.801	N	167.388	E	10	G		0.6	9	EASTERN SIBERIA, RUSSIA
04	06	13	44.4*	61.004	N	167.273	E	10	G		0.6	7	EASTERN SIBERIA, RUSSIA
04	06	35	17.0&	59.101	N	154.077	W	104				46	SOUTHERN ALASKA. <AEIC>.
04	07	26	08.9	42.800	N	17.638	E	10	G		1.3	18	ADRIATIC SEA
04	07	28	28.7?	57.40	S	25.36	W	33	N		1.5	7	SOUTH SANDWICH ISLANDS REGION
04	07	54	52.4*	71.486	N	7.745	W	10	G		0.5	7	JAN MAYEN ISLAND REGION
04	08	11	28.1?	52.53	S	71.35	W	33	N		1.1	11	SOUTHERN CHILE
04	08	33	57.8?	28.89	S	74.06	E	10	G	4.5	0.2	5	MID-INDIAN RIDGE
04	08	38	23.5*	36.743	N	141.700	E	50	*		1.4	20	NEAR EAST COAST OF HONSHU, JAPAN
04	08	47	05.5*	9.354	N	127.080	E	33	N	4.7	0.7	6	PHILIPPINE ISLANDS REGION
04	09	01	10.7	4.011	S	128.131	E	33	N	5.1	1.1	64	BANDA SEA
04	09	13	19.3&	32.982	S	71.149	W	33	N		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
04	09	23	47.5	5.433	S	145.734	E	100	G		0.7	6	EASTERN NEW GUINEA REG., P.N.G.
04	09	42	08.7&	37.209	N	3.712	W	10	G		0.9	5	SPAIN. mbLg 2.3 (MDD).
04	09	59	06.7	7.116	S	122.612	E	579	D	5.1	0.9	95	FLORES SEA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:59:09.8; Lat 7.11 S; Lon 122.48 E; Dep 584.4; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.82, Plg=29, Azm=224; (N) Val=0.29, Plg=22, Azm=327; (P) Val=-1.11, Plg=52, Azm=89; Best double couple: Mo=9.6*10**16 Nm; NP1: Strike=270, Dip=26, Slip=-150; NP2: Strike=152, Dip=77, Slip=-67.
04	10	13	21.6*	11.931	S	166.093	E	44	D	4.5	1.1	23	SANTA CRUZ ISLANDS
04	10	34	19.5*	43.473	N	147.507	E	54	D		1.3	12	KURIL ISLANDS
04	11	02	25.6&	34.411	S	70.463	W	10	G		0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
04	11	21	45.2	29.940	S	71.575	W	39	D	4.8	0.9	53	NEAR COAST OF CENTRAL CHILE. MD 4.9 (SAN). Felt (III) at La Serena.
04	11	40	46.3*	43.365	N	147.818	E	46	D		1.5	16	KURIL ISLANDS
04	12	31	53.7*	33.803	N	131.148	E	60	*		1.5	12	KYUSHU, JAPAN
04	12	46	31.1?	17.47	S	179.71	W	500	G	4.5	1.1	12	FIJI ISLANDS REGION
04	13	29	30.5	7.355	S	128.341	E	150	G	5.2	0.9	126	BANDA SEA
04	14	39	08.4?	30.70	N	140.73	E	33	N		1.4	9	SOUTH OF HONSHU, JAPAN
04	14	58	35.1&	36.068	N	117.648	W	1				72	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 3.8 (PAS). ML 4.0 (GS).
04	15	25	27.2&	36.064	N	117.644	W	1				57	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 3.1 (PAS). ML 3.5 (GS).
04	16	22	13.9	11.783	N	125.226	E	46	D	4.9 4.0	0.9	59	SAMAR, PHILIPPINE ISLANDS
04	16	33	36.3*	43.227	N	140.913	E	100	G	4.1	0.4	8	HOKKAIDO, JAPAN REGION
04	16	34	18.4?	0.06	S	124.39	E	33	N		1.3	5	SOUTHERN MOLUCCA SEA
04	16	38	04.5?	11.93	N	86.14	W	33	N	4.2	1.5	16	NEAR COAST OF NICARAGUA
04	16	51	09.3	18.125	S	178.170	W	600	G	5.3	0.9	137	FIJI ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:51:16.1; Lat 18.13 S; Lon 178.15 W; Dep 627.7; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.41, Plg=32, Azm=106; (N) Val=0.24, Plg=18, Azm=208; (P) Val=-1.65, Plg=53, Azm=322; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=151, Dip=21, Slip=-148; NP2: Strike=31, Dip=79, Slip=-72.
04	17	16	37.9	49.320	N	156.471	E	33	N	4.5	0.5	15	KURIL ISLANDS
04	17	18	54.0*	3.330	S	145.535	E	33	N	4.4	0.6	7	NEAR N COAST OF NEW GUINEA, PNG.
04	17	58	52.2	43.535	N	7.831	E	10	G		1.2	25	NEAR SOUTH COAST OF FRANCE. ML 3.2 (LDG), 3.0 (GEN).
04	18	00	28.5&	59.326	N	152.656	W	89				37	SOUTHERN ALASKA. <AEIC>.
04	18	33	01.0?	34.63	N	137.89	E	400	G		0.6	6	NEAR S. COAST OF HONSHU, JAPAN
04	18	44	55.9	12.690	N	88.882	W	57		5.0	1.1	80	OFF COAST OF CENTRAL AMERICA. Felt (II) at San Salvador, El Salvador.
04	18	49	44.2&	36.064	N	117.645	W	2				11	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 2.6 (PAS). ML 2.6 (GS).
04	20	06	02.4&	44.403	N	7.343	E	10	G		0.6	12	NORTHERN ITALY. ML 2.2 (GEN).
04	20	31	40.9?	50.28	N	156.37	E	33	N		0.4	5	KURIL ISLANDS
04	20	46	37.9?	21.00	S	68.26	W	150	G		0.3	5	CHILE-BOLIVIA BORDER REGION
04	21	42	39.5?	32.47	S	71.87	W	33	N		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
04	23	17	49.9*	21.133	S	66.459	W	250	G		1.0	12	SOUTHERN BOLIVIA
04	23	21	55.2*	49.962	S	126.795	E	10	G	4.6	1.1	26	SOUTH OF AUSTRALIA
05	00	17	48.5*	17.831	S	178.547	W	650	G	4.6	0.8	31	FIJI ISLANDS REGION

05	00	20	10.4&	60.888	N	151.471	W					66	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
05	01	11	05.3&	44.840	N	111.545	W	6				23	HEBGEN LAKE REGION. <BUT-P>. ML 3.7 (BUT). Felt.
05	01	33	33.8?	26.07	S	68.93	E	10	G		0.5	5	SOUTH INDIAN OCEAN
05	03	03	11.9&	60.040	N	151.290	W	57				59	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
05	03	32	10.2*	32.791	N	26.576	E	10	G		0.9	13	EASTERN MEDITERRANEAN SEA
05	04	17	25.4?	31.90	S	69.66	W	150	G		0.5	10	SAN JUAN PROVINCE, ARGENTINA. MD 2.7 (SAN).
05	04	27	18.9*	3.281	N	96.286	E	100	G	4.1	1.3	12	NORTHERN SUMATERA, INDONESIA
05	04	45	16.9?	41.01	N	80.71	E	10	G		1.5	7	SOUTHERN XINJIANG, CHINA
05	05	26	12.6&	59.448	N	152.366	W	68				38	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
05	05	30	02.2	35.107	N	28.104	E	10	G	3.8	1.1	18	EASTERN MEDITERRANEAN SEA
05	06	52	48.7*	49.014	N	155.970	E	42	D		1.0	18	KURIL ISLANDS
05	08	11	30.7	8.927	S	125.076	E	33	N	4.5	0.9	33	TIMOR REGION, INDONESIA
05	08	47	25.4	29.845	N	80.532	E	33	N	5.6 5.3	0.9	232	NEPAL-INDIA BORDER REGION. Mw 5.6 (HRV), 5.4 (GS). Me 5.3 (GS). Many houses damaged in western Nepal. Felt at Baitadi and Dandeldhura. Broadband Source Parameters (GS): Dep 15; NP1: Strike=120, Dip=75, Slip=80; NP2: Strike=334, Dip=18, Slip=123; Radiated energy 1.7*10**12 Nm. Moment Tensor (GS): Dep 14; Principal axes (scale 10**17 Nm): (T) Val=1.80, Plg=55, Azm=38; (N) Val=-0.40, Plg=21, Azm=275; (P) Val=-1.40, Plg=26, Azm=174; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=225, Dip=26, Slip=37; NP2: Strike=101, Dip=75, Slip=112. Centroid, Moment Tensor (HRV): Centroid origin time 08:47:31.6; Lat 29.43 N; Lon 80.29 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.29, Plg=62, Azm=42; (N) Val=0.32, Plg=7, Azm=300; (P) Val=-2.61, Plg=27, Azm=206; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=279, Dip=19, Slip=68; NP2: Strike=122, Dip=73, Slip=97.
05	09	03	49.5*	11.800	N	93.546	E	100	G	4.4	1.4	15	ANDAMAN ISLANDS, INDIA
05	09	11	11.2&	29.728	N	80.594	E	33	N		0.8	8	NEPAL-INDIA BORDER REGION
05	09	13	22.8?	22.77	S	170.43	E	33	N		1.3	9	LOYALTY ISLANDS REGION
05	09	32	45.5?	32.40	S	71.36	W	70	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 2.9 (SAN).
05	09	36	03.2*	35.799	N	105.452	E	33	N	4.3	1.2	15	GANSU, CHINA. ML 4.4 (BJI).
05	10	34	19.4	24.677	N	122.457	E	33	N	5.3 4.9	1.0	112	TAIWAN REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:34:17.5; Lat 24.92 N; Lon 122.18 E; Dep 26.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.89, Plg=10, Azm=191; (N) Val=-3.03, Plg=4, Azm=281; (P) Val=-5.85, Plg=79, Azm=34; Best double couple: Mo=7.4*10**16 Nm; NP1: Strike=275, Dip=35, Slip=-98; NP2: Strike=104, Dip=55, Slip=-85.
05	10	45	04.7*	2.420	N	129.108	E	200	G	4.1	1.3	11	HALMAHERA, INDONESIA
05	11	01	55.5&	36.272	N	70.682	E	250	G		0.6	10	HINDU KUSH REGION, AFGHANISTAN
05	11	25	49.9?	60.69	S	32.78	W	10	G	4.6	1.2	17	SCOTIA SEA
05	11	38	24.5*	29.668	N	80.565	E	33	N		1.0	12	NEPAL-INDIA BORDER REGION
05	11	58	53.4*	12.996	N	125.487	E	49	D	4.4	1.1	10	SAMAR, PHILIPPINE ISLANDS
05	12	29	27.3	5.695	S	154.521	E	130	D	5.1	1.2	70	SOLOMON ISLANDS
05	12	38	07.3?	31.77	S	70.36	W	130	G		0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
05	14	05	50.9*	34.791	N	32.148	E	33	N		0.5	14	CYPRUS REGION
05	14	23	55.0*	17.751	S	178.739	W	550	G	5.0	1.0	52	FIJI ISLANDS REGION
05	15	29	20.6&	32.574	S	70.796	W	70	G		0.4	10	CHILE-ARGENTINA BORDER REGION
05	17	01	19.2?	12.59	S	167.08	E	100	G	4.2	0.9	10	SANTA CRUZ ISLANDS
05	18	27	59.3&	39.580	N	120.134	W	2				21	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
05	18	40	52.0	23.014	N	123.053	E	33	N	4.7 4.2	0.9	39	SOUTHWESTERN RYUKYU ISLANDS
05	20	31	26.0*	28.768	N	130.734	E	33	N	3.5	1.9	9	RYUKYU ISLANDS
05	20	35	38.0&	60.134	N	151.935	W	60				63	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
05	20	41	58.8*	34.202	N	141.545	E	15			0.9	11	OFF EAST COAST OF HONSHU, JAPAN
05	21	04	39.1&	8.829	N	82.543	W	10	G		0.6	6	PANAMA-COSTA RICA BORDER REGION. MD 4.0 (UPA).
05	21	35	04.8&	33.290	S	70.981	W	70	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
05	21	59	37.1&	64.422	N	146.911	W	10				43	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC). Felt at Salcha.
05	23	21	54.1	36.160	N	140.220	E	63			0.6	16	NEAR EAST COAST OF HONSHU, JAPAN
06	00	53	14.8*	51.661	N	177.234	W	60	*	4.3	0.9	14	ANDREANOF ISLANDS, ALEUTIAN IS.
06	01	39	08.0&	44.687	N	6.763	E	10	G		0.3	5	FRANCE. ML 1.7 (GEN).
06	01	51	13.1*	24.751	N	122.673	E	30	*	4.9	1.3	19	TAIWAN REGION
06	02	51	13.5?	9.51	S	114.26	E	100	G	4.2	1.9	8	SOUTH OF BALI, INDONESIA
06	03	34	16.2&	44.478	N	7.331	E	10	G		0.2	5	NORTHERN ITALY. ML 1.7 (GEN).
06	03	59	50.9*	21.517	N	143.363	E	300	G	4.2	1.1	18	MARIANA ISLANDS REGION
06	04	26	17.3&	44.332	N	7.401	E	10	G		0.6	7	NORTHERN ITALY. ML 1.8 (GEN).
06	04	28	09.4&	44.328	N	7.403	E	10	G		0.6	8	NORTHERN ITALY. ML 2.0 (GEN).
06	04	57	39.5?	40.72	N	23.90	E	10	G		1.4	8	GREECE
06	05	21	32.2	11.978	S	166.705	E	175	D	5.0	1.0	107	SANTA CRUZ ISLANDS
06	06	07	06.6&	37.784	N	139.645	E	10	G		0.6	5	EASTERN HONSHU, JAPAN
06	06	25	16.6?	19.16	S	177.53	E	33	N	4.6	1.1	23	SOUTH OF FIJI ISLANDS
06	06	35	27.7?	44.55	N	7.27	E	10	G		0.1	4	NORTHERN ITALY. ML 1.6 (GEN).
06	06	42	12.0*	20.755	S	66.823	W	234	*		1.1	14	SOUTHERN BOLIVIA
06	06	44	55.0&	63.023	N	149.186	W	5				10	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 2.9 (PMR).
06	09	15	53.8	20.456	S	175.993	W	150	G	4.5	0.8	34	TONGA ISLANDS
06	10	12	06.1?	0.69	S	134.99	E	33	N	4.1	1.2	9	IRIAN JAYA REGION, INDONESIA
06	10	42	34.8*	3.022	S	129.540	E	33	N	4.6	1.5	20	SERAM, INDONESIA
06	10	46	15.4&	12.393	S	75.434	W	100	G		0.3	7	CENTRAL PERU
06	10	58	26.9	62.181	N	26.311	W	10	G	4.2 3.8	1.3	27	ICELAND REGION
06	11	08	18.8&	44.590	N	6.799	E	10	G		0.2	7	FRANCE. ML 1.9 (GEN).
06	11	22	28.2*	62.404	N	26.364	W	10	G	4.3	1.1	20	ICELAND REGION
06	11	27	40.0	62.189	N	26.408	W	10	G	4.4	1.2	27	ICELAND REGION
06	12	35	08.1*	62.178	N	26.530	W	10	G	4.3 3.8	1.3	21	ICELAND REGION
06	12	58	29.6	62.201	N	26.262	W	10	G	4.1	1.2	26	ICELAND REGION
06	13	00	33.3?	24.32	S	179.96	W	550	G	4.3	1.0	13	SOUTH OF FIJI ISLANDS
06	13	58	20.7&	65.225	N	152.537	W	0				22	NORTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.4 (PMR).
06	14	03	48.5	37.042	N	97.842	E	33	N	5.0 4.3	0.8	106	QINGHAI, CHINA. ML 4.5 (BJI).
06	14	17	05.4	40.457	N	23.586	E	10	G		1.0	17	GREECE. ML 4.0 (THE).
06	14	23	09.7?	42.90	N	2.31	E	5	G		1.7	5	PYRENEES. ML 2.3 (LDG).

06	17	19	31.4	44.023	N	7.599	E	10	G		0.2	12	NORTHERN ITALY. ML 2.0 (GEN), 1.8 (LDG).
06	18	57	58.5%	36.127	N	139.892	E	33	N		0.4	5	EASTERN HONSHU, JAPAN
06	19	06	44.2*	36.818	N	35.520	E	10	G		0.8	9	TURKEY
06	21	56	57.7%	37.379	N	4.036	W	33	N		0.5	11	SPAIN. mbLg 3.0 (MDD).
06	21	57	07.8?	32.81	S	70.21	W	100	G		0.2	7	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
06	22	15	40.4&	40.779	N	125.316	W	5				85	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. Mw 4.0 (BRK). MD 3.7 (GM). ML 4.0 (BRK), 3.7 (GS). Scalar Moment (BRK): Mo=1.1*10**15 Nm.
06	22	24	24.9?	36.16	S	71.88	W	80	G		0.6	11	CENTRAL CHILE. MD 3.9 (SAN).
06	22	32	22.6	43.879	N	8.700	E	10	G		1.0	27	CORSICA. ML 2.8 (LDG), 2.8 (GEN), 2.7 (STR).
06	23	17	27.5*	36.988	N	97.813	E	33	N		1.4	12	QINGHAI, CHINA. ML 3.5 (BJI).
06	23	21	15.4	22.070	S	179.549	W	600	G	4.8	1.0	89	SOUTH OF FIJI ISLANDS
07	00	37	27.8*	45.060	N	150.056	E	33	N	4.3	1.1	29	KURIL ISLANDS
07	01	11	01.0	19.415	N	145.299	E	223	D	4.5	1.0	50	MARIANA ISLANDS
07	02	12	29.6	5.802	S	77.265	W	33	N	4.9	0.6	60	NORTHERN PERU
07	02	13	23.2%	32.996	S	71.709	W	50	G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 2.6 (SAN).
07	02	14	21.8	34.738	N	24.855	E	41	D	4.8	1.3	123	CRETE
07	03	29	50.9&	59.388	N	144.901	W	10	G	3.1		38	GULF OF ALASKA. <AEIC>. ML 3.4 (AEIC).
07	03	30	10.4?	28.56	S	73.89	E	10	G		0.9	6	MID-INDIAN RIDGE
07	04	04	51.1&	63.550	N	149.100	W	7				57	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.4 (PMR).
07	04	17	02.8*	55.547	S	3.432	W	10	G	4.9	0.9	31	SOUTHERN MID-ATLANTIC RIDGE. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:17:09.2; Lat 56.02 S; Lon 2.60 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.56, Plg=0, Azm=268; (N) Val=-0.87, Plg=90, Azm=180; (P) Val=-5.69, Plg=0, Azm=178; Best double couple: Mo=6.1*10**16 Nm; NP1: Strike=313, Dip=90, Slip=-180; NP2: Strike=43, Dip=90, Slip=0.
07	05	23	56.5*	51.262	N	15.866	E	5	G		0.8	9	POLAND. ML 2.7 (MOX).
07	05	35	39.6%	34.132	S	70.550	W	100	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
07	05	47	43.7?	12.31	N	85.95	W	33	N	3.1	1.1	6	NICARAGUA
07	06	13	18.7*	34.019	N	141.883	E	10	G		0.7	9	OFF EAST COAST OF HONSHU, JAPAN
07	07	34	51.5&	36.744	N	121.436	W	6				29	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM). ML 2.8 (GS).
07	07	42	17.8	3.359	S	128.051	E	35	D	5.0 4.2	1.1	40	SERAM, INDONESIA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:42:20.4; Lat 2.93 S; Lon 128.43 E; Dep 71.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.31, Plg=13, Azm=148; (N) Val=-1.10, Plg=76, Azm=306; (P) Val=-4.21, Plg=5, Azm=56; Best double couple: Mo=4.8*10**16 Nm; NP1: Strike=191, Dip=77, Slip=174; NP2: Strike=283, Dip=84, Slip=13.
07	08	45	31.5	16.180	N	98.677	W	33	N	4.5	0.8	34	NEAR COAST OF GUERRERO, MEXICO
07	09	02	53.8	42.292	N	142.914	E	62	D	4.9	1.0	107	HOKKAIDO, JAPAN REGION
07	10	09	12.2?	36.49	N	3.40	W	10	G		0.6	5	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
07	10	17	00.1&	40.375	N	125.418	W	26				3	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
07	11	30	01.8?	16.79	S	174.28	W	150	G		0.7	8	TONGA ISLANDS
07	11	30	55.0&	60.363	N	152.831	W	150				65	SOUTHERN ALASKA. <AEIC>.
07	13	37	01.9%	44.100	N	7.379	E	10	G		0.1	6	NORTHERN ITALY. ML 1.8 (GEN).
07	14	06	19.8*	43.082	N	0.225	W	5	G		0.7	5	PYRENEES. mbLg 2.6 (MDD). ML 2.5 (LDG).
07	14	50	06.0%	44.057	N	8.243	E	10	G		0.2	9	NORTHERN ITALY. ML 2.2 (GEN).
07	14	50	42.8%	44.064	N	8.230	E	10	G		0.2	7	NORTHERN ITALY. ML 1.8 (GEN).
07	16	14	06.4	43.976	N	7.823	E	10	G		0.3	14	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG), 2.0 (GEN).
07	16	23	47.0&	63.365	N	145.274	W	4				27	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.5 (PMR).
07	16	50	01.7?	4.29	S	131.39	E	33	N	3.8	1.3	9	BANDA SEA
07	17	20	41.4*	26.148	N	125.526	E	50	G	4.3	1.3	12	NORTHEAST OF TAIWAN
07	17	41	04.4*	28.660	N	143.345	E	33	N	4.6	0.4	7	BONIN ISLANDS REGION
07	18	00	51.8*	18.687	S	174.741	W	33	N	5.2	0.9	39	TONGA ISLANDS
07	18	44	00.1	20.092	N	121.337	E	33	N	4.4	0.6	17	PHILIPPINE ISLANDS REGION
07	19	04	09.4*	37.866	N	71.683	E	100	G	3.9	0.5	7	AFGHANISTAN-TAJIKISTAN BORD REG.
07	19	53	49.1*	2.308	S	138.592	E	50	G	4.5	1.3	23	IRIAN JAYA, INDONESIA
07	20	09	20.7	40.033	N	143.339	E	26	*	4.7	1.0	33	OFF EAST COAST OF HONSHU, JAPAN
07	20	39	51.4*	2.302	S	138.655	E	50	G	4.2	1.3	19	IRIAN JAYA, INDONESIA
07	21	20	33.4%	37.004	N	4.284	W	10	G		0.8	10	SPAIN. mbLg 2.9 (MDD).
07	21	29	24.3?	32.10	S	69.84	W	140	G		0.4	9	MENDOZA PROVINCE, ARGENTINA
07	22	16	05.2&	59.609	N	145.799	W	10	G	3.7		72	GULF OF ALASKA. <AEIC>. ML 3.4 (AEIC), 3.8 (PMR).
07	22	28	24.1*	34.394	N	62.327	E	33	N		1.1	8	NORTHWESTERN AFGHANISTAN
07	22	45	49.0*	24.387	S	71.824	W	33	N	4.4	0.8	14	OFF COAST OF NORTHERN CHILE
07	23	52	33.4*	50.851	N	16.049	E	5	G		1.5	5	POLAND. ML 2.5 (MOX).
08	00	33	45.5?	44.64	N	6.39	E	15	G		0.4	6	FRANCE
08	01	33	38.2&	40.376	N	124.499	W	17				3	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
08	02	23	35.0*	60.210	N	29.713	W	10	G	4.1 3.6	1.2	15	NORTH ATLANTIC OCEAN
08	02	34	40.7*	39.927	N	143.568	E	33	N		0.8	12	OFF EAST COAST OF HONSHU, JAPAN
08	03	22	26.6*	38.884	N	22.534	E	33	N	3.9	1.2	21	GREECE
08	03	36	51.0%	34.264	S	70.094	W	5	G		0.6	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
08	04	45	58.5*	42.574	N	126.642	W	10	G	3.2	1.1	14	OFF COAST OF OREGON
08	05	35	18.9%	33.842	N	135.407	E	33	N		0.6	7	NEAR S. COAST OF WESTERN HONSHU
08	05	36	11.7*	32.429	N	90.700	E	33	N	3.7	0.8	13	XIZANG
08	06	06	13.1*	7.557	S	128.906	E	150	G	4.6	1.2	9	BANDA SEA
08	06	25	20.9&	63.350	N	145.199	W	5				38	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
08	06	43	04.8	17.672	N	72.209	W	10	G	5.3 4.8	0.8	240	HAITI REGION. Mw 5.4 (HRV). Felt in Haiti. Centroid, Moment Tensor (HRV): Centroid origin time 06:43:09.3; Lat 17.61 N; Lon 71.90 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.56, Plg=51, Azm=48; (N) Val=-0.32, Plg=5, Azm=312; (P) Val=-1.24, Plg=38, Azm=218; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=275, Dip=8, Slip=53; NP2: Strike=132, Dip=83, Slip=95.
08	06	52	41.8	9.838	N	126.363	E	33	N	4.7 4.3	0.8	32	MINDANAO, PHILIPPINE ISLANDS
08	07	48	48.8?	9.81	N	126.72	E	33	N	3.9	1.0	6	MINDANAO, PHILIPPINE ISLANDS
08	09	57	01.1?	34.00	S	179.07	W	33	N	4.4	1.1	13	SOUTH OF KERMADEC ISLANDS
08	09	59	01.9*	31.583	N	80.603	E	33	N	3.9	1.6	16	XIZANG
08	12	13	38.6?	38.58	N	73.65	E	100	G	3.1	1.2	8	TAJIKISTAN-XINJIANG BORDER REG.
08	12	54	12.3?	10.28	S	126.65	E	100	G	3.8	1.0	7	TIMOR SEA

08 12 59 41.9? 6.31 S 130.37 E 125 ? 3.9 1.2 10 BANDA SEA
08 13 12 23.1* 4.540 S 143.933 E 94 * 4.3 1.6 16 NEW GUINEA, PAPUA NEW GUINEA
08 13 36 31.3* 35.105 N 135.528 E 66 * 1.6 11 WESTERN HONSHU, JAPAN
08 14 06 30.7* 3.837 S 141.192 E 85 ? 3.8 1.5 9 NEW GUINEA, PAPUA NEW GUINEA
08 15 30 36.7& 34.041 N 117.250 W 16 26 SOUTHERN CALIFORNIA. <PAS-P>. MD 2.6 (PAS). ML 2.8 (GS). Felt at Salton City.
08 17 44 48.2& 59.911 N 152.781 W 93 54 SOUTHERN ALASKA. <AEIC>.
08 17 45 09.5? 17.58 S 178.77 W 600 G 4.4 0.7 15 FIJI ISLANDS REGION
08 18 02 09.7? 10.98 N 86.45 W 33 N 4.6 1.2 18 OFF COAST OF COSTA RICA
08 18 12 19.5? 17.40 S 178.46 W 400 G 4.0 1.1 15 FIJI ISLANDS REGION
08 18 50 26.0? 36.66 N 70.87 E 220 ? 1.1 7 HINDU KUSH REGION, AFGHANISTAN
08 19 56 12.5? 30.35 N 88.01 E 33 N 3.6 0.9 5 XIZANG
08 20 14 10.5 7.383 N 127.143 E 41 D 4.6 1.2 40 PHILIPPINE ISLANDS REGION
08 21 32 47.9 44.125 N 7.414 E 10 G 0.7 15 NORTHERN ITALY. ML 2.3 (LDG), 2.2 (GEN).
08 22 18 28.3& 60.782 N 150.704 W 46 39 KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
08 22 51 22.5 16.224 N 95.359 W 33 N 4.9 4.5 1.0 69 OAXACA, MEXICO
08 22 53 32.0? 32.82 S 179.06 W 33 N 4.2 0.9 11 SOUTH OF KERMADEC ISLANDS
08 23 03 41.5& 62.123 N 150.363 W 52 57 CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
08 23 15 54.4* 12.383 N 88.907 W 54 4.6 0.8 36 OFF COAST OF CENTRAL AMERICA. MD 4.9 (SSS). Felt (II) at San Salvador, El Salvador.
08 23 18 56.9& 44.378 N 7.122 E 10 G 0.4 12 NORTHERN ITALY. ML 2.2 (GEN).
08 23 20 41.6* 12.423 N 88.839 W 33 N 4.7 1.1 30 OFF COAST OF CENTRAL AMERICA
08 23 29 57.7? 5.17 S 149.81 E 100 G 4.2 1.4 12 NEW BRITAIN REGION, P.N.G.
08 23 32 48.7& 44.241 N 6.236 E 5 G 0.4 8 FRANCE. ML 1.9 (LDG).
09 00 14 38.1* 9.579 N 84.122 W 10 G 3.7 1.1 12 COSTA RICA
09 01 43 58.9& 33.851 N 132.359 E 33 N 0.7 5 SHIKOKU, JAPAN
09 03 07 25.9& 33.200 N 92.600 W 5 G 4 ARKANSAS. <MACRO>. mbLg 2.8 (GS). Felt in the El Dorado area.
09 03 31 47.8* 38.849 N 119.585 W 5 G 0.8 7 CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (GS), 3.1 (BRK). MD 2.9 (GM).
09 04 19 12.0& 59.479 N 152.842 W 98 3.0 98 SOUTHERN ALASKA. <AEIC>.
09 05 54 00.4? 51.14 N 170.95 W 33 N 0.7 5 FOX ISLANDS, ALEUTIAN ISLANDS
09 06 36 40.1 26.025 N 141.152 E 62 D 4.9 0.7 70 BONIN ISLANDS REGION
09 06 48 44.5? 32.96 N 103.58 E 33 N 3.2 1.5 7 SICHUAN, CHINA
09 07 27 53.4* 6.098 S 105.249 E 100 G 4.6 1.2 17 SUNDA STRAIT
09 07 52 16.1 53.701 N 163.546 W 33 N 5.2 4.5 0.9 163 UNIMAK ISLAND REGION. Mw 5.1 (HRV). ML 5.0 (PMR).
Centroid, Moment Tensor (HRV): Centroid origin time 07:52:14.5; Lat 53.11 N; Lon 163.18 W; Dep 40.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.62, Plg=63, Azm=342; (N) Val=1.55, Plg=6, Azm=240; (P) Val=-5.17, Plg=26, Azm=147; Best double couple: Mo=4.4*10**16 Nm; NP1: Strike=223, Dip=19, Slip=72; NP2: Strike=62, Dip=72, Slip=96.
09 08 16 28.5* 37.615 N 75.456 E 109 ? 3.4 0.3 9 TAJIKISTAN-XINJIANG BORDER REG.
09 08 29 31.2* 17.691 S 168.322 E 108 D 4.9 1.1 44 VANUATU ISLANDS. Mw 5.4 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 08:29:31.4; Lat 17.68 S; Lon 168.36 E; Dep 119.3; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.50, Plg=25, Azm=157; (N) Val=-0.32, Plg=47, Azm=37; (P) Val=-1.18, Plg=32, Azm=264; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=298, Dip=48, Slip=-6; NP2: Strike=32, Dip=85, Slip=-137.
09 08 42 43.8* 52.593 N 142.476 E 33 N 4.0 0.7 10 SAKHALIN ISLAND
09 08 50 16.6 34.456 N 37.284 W 10 G 5.2 5.2 0.9 218 NORTHERN MID-ATLANTIC RIDGE. Mw 5.5 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 08:50:19.1; Lat 34.71 N; Lon 37.13 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.67, Plg=49, Azm=248; (N) Val=0.00, Plg=33, Azm=26; (P) Val=-1.67, Plg=22, Azm=131; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=264, Dip=37, Slip=153; NP2: Strike=16, Dip=74, Slip=56.
09 09 01 54.2& 34.371 N 116.463 W 3 25 SOUTHERN CALIFORNIA. <PAS-P>. MD 2.9 (PAS). ML 3.1 (GS).
09 09 41 36.7? 47.17 N 146.21 E 355 ? 4.5 1.1 13 NORTHWEST OF KURIL ISLANDS
09 11 40 59.5 5.652 S 151.008 E 100 G 5.1 0.9 50 NEW BRITAIN REGION, P.N.G. Mw 5.1 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 11:40:56.9; Lat 5.82 S; Lon 151.22 E; Dep 38.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.64, Plg=64, Azm=336; (N) Val=-0.50, Plg=1, Azm=69; (P) Val=-5.14, Plg=26, Azm=160; Best double couple: Mo=5.4*10**16 Nm; NP1: Strike=253, Dip=19, Slip=94; NP2: Strike=69, Dip=71, Slip=88.
09 12 14 49.8 59.240 N 144.711 W 10 G 2.3 0.9 28 GULF OF ALASKA. ML 2.6 (AEIC).
09 12 46 28.9? 14.74 S 173.95 W 33 N 4.6 0.7 30 SAMOA ISLANDS REGION
09 13 02 42.3? 43.27 N 142.19 E 173 ? 3.3 1.0 5 HOKKAIDO, JAPAN REGION
09 13 28 37.0? 30.60 N 115.58 W 5 G 1.0 21 BAJA CALIFORNIA, MEXICO. ML 3.7 (GS).
09 13 32 02.3? 8.29 S 114.86 E 33 N 3.8 0.7 7 BALI REGION, INDONESIA
09 13 43 31.5 41.026 N 74.284 E 22 D 5.7 5.8 1.0 376 KYRGYZSTAN. Mw 5.9 (OBN), 5.8 (HRV), 5.7 (GS). Me 5.6 (GS). At least 10 houses destroyed and 400 others damaged in the Dzhergetal area. Felt (VII) at Koshtebe; (VI) at Kazarman; (V) at Min-Kush; (IV) at Jalal-Abad, Naryn, Osh, Sufi-Kurgan, Talas and Uzgen; (III) at Bishkek. Also felt (III) at Almaty, Kazakhstan.
Broadband Source Parameters (GS): Dep 15; NP1: Strike=85, Dip=55, Slip=90; NP2: Strike=265, Dip=35, Slip=90; Radiated energy 5.6*10**12 Nm.
Moment Tensor (GS): Dep 14; Principal axes (scale 10**17 Nm): (T) Val=4.11, Plg=78, Azm=317; (N) Val=0.04, Plg=9, Azm=96; (P) Val=-4.16, Plg=8, Azm=187; Best double couple: Mo=4.1*10**17 Nm; NP1: Strike=287, Dip=38, Slip=105; NP2: Strike=89, Dip=53, Slip=79.
Centroid, Moment Tensor (HRV): Centroid origin time 13:43:35.3; Lat 41.00 N; Lon 74.16 E; Dep 15.0 Bdy; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=6.10, Plg=70, Azm=312; (N) Val=-0.88, Plg=12, Azm=79;

													(P) Val=-5.22, Plg=15, Azm=173; Best double couple: Mo=5.7*10**17 Nm; NP1: Strike=280, Dip=32, Slip=114; NP2: Strike=72, Dip=61, Slip=76.
													Moment Tensor (OBN); Principal axes: (T) Plg=71, Azm=56; (N) Plg=14, Azm=279; (P) Plg=12, Azm=186; Best double couple: Mo=7.8*10**17 Nm; NP1: Strike=258, Dip=35, Slip=65; NP2: Strike=108, Dip=59, Slip=107.
09	14	16	53.8*	38.294	N	24.143	E	33	N			1.1	27 AEGEAN SEA. ML 3.6 (THE). Felt at Athens, Greece.
09	15	15	42.8	23.780	S	179.937	W	500	G	4.8		0.9	67 SOUTH OF FIJI ISLANDS
09	16	07	11.2	18.841	N	145.042	E	368		4.1		1.0	37 MARIANA ISLANDS
09	16	21	50.8	6.185	S	142.214	E	33	N	4.2		1.2	16 NEW GUINEA, PAPUA NEW GUINEA
09	16	23	38.0*	44.278	N	148.856	E	33	N	4.4		1.1	9 KURIL ISLANDS
09	17	47	17.2	0.785	N	29.255	W	10	G	4.9		0.8	39 CENTRAL MID-ATLANTIC RIDGE
09	18	13	26.2	6.171	S	142.180	E	33	N	4.5		1.3	27 NEW GUINEA, PAPUA NEW GUINEA
09	18	46	17.8*	12.179	N	96.384	E	33	N	4.8		1.2	13 ANDAMAN ISLANDS, INDIA
09	19	08	07.7	34.521	N	24.525	E	33	N	3.3		0.7	14 CRETE
09	19	48	12.7&	46.966	N	0.396	E	5	G			1.3	10 FRANCE. ML 2.5 (LDG).
09	19	51	40.4&	62.921	N	149.778	W	79					61 CENTRAL ALASKA. <AEIC>.
09	21	51	25.5*	43.461	N	147.773	E	33	N	4.6		1.4	22 KURIL ISLANDS
09	22	04	08.0*	23.144	N	144.495	E	33	N	4.3		0.6	13 VOLCANO ISLANDS REGION
09	22	46	15.0	28.696	N	128.738	E	156		4.3		1.2	21 RYUKYU ISLANDS
09	23	50	41.2&	63.259	N	151.084	W	7					64 CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.5 (PMR).
10	00	04	24.3&	62.886	N	149.967	W	83					56 CENTRAL ALASKA. <AEIC>.
10	01	52	06.8?	23.71	S	169.84	E	33	N			1.4	5 LOYALTY ISLANDS REGION
10	02	11	53.7	44.599	N	7.265	E	10	G			0.3	18 NORTHERN ITALY. ML 2.1 (GEN), 1.8 (LDG).
10	02	24	12.9	36.385	N	70.821	E	201	D	4.8		0.9	147 HINDU KUSH REGION, AFGHANISTAN. Felt at Peshawar, Pakistan.
10	04	15	03.3?	6.09	S	153.45	E	200	G	4.4		1.4	13 NEW BRITAIN REGION, P.N.G.
10	04	25	27.1	51.665	N	15.792	E	5	G			1.4	12 POLAND. ML 3.6 (VIE), 3.4 (GRF), 3.3 (MOX).
10	04	52	33.8*	38.659	N	73.617	E	100	G	3.3		0.8	10 TAJIKISTAN-XINJIANG BORDER REG.
10	05	05	03.3&	40.864	N	123.807	W	26					34 NORTHERN CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.5 (GS), 3.5 (BRK).
10	05	39	21.0*	24.872	N	125.425	E	33	N	3.6		1.5	6 SOUTHWESTERN RYUKYU ISLANDS
10	06	08	06.2?	44.37	N	7.36	E	10	G			0.0	4 NORTHERN ITALY. ML 1.5 (GEN).
10	06	42	12.5*	5.289	S	129.846	E	121	?	4.4		0.9	9 BANDA SEA
10	06	56	53.6&	59.730	N	151.967	W	57					58 KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC).
10	07	08	08.0*	34.356	N	37.319	W	10	G	3.7		1.2	16 NORTHERN MID-ATLANTIC RIDGE
10	08	09	10.8*	34.556	S	179.837	W	58	D	5.0		1.3	29 SOUTH OF KERMADEC ISLANDS
10	08	22	59.1*	14.689	S	27.108	E	20	D	4.1		1.4	13 ZAMBIA
10	08	46	41.7*	23.044	S	68.383	W	100	G	4.1		1.0	14 NORTHERN CHILE
10	08	50	16.3&	11.141	N	61.132	W	33	N			0.5	7 WINDWARD ISLANDS. MD 2.8 (TRN).
10	09	08	30.5*	28.874	N	67.316	E	33	N	4.4	4.1	1.1	15 PAKISTAN
10	09	27	44.1?	14.69	N	91.87	W	150	G	3.7		1.2	8 GUATEMALA
10	09	47	42.6*	33.744	N	141.505	E	33	N			1.2	8 OFF EAST COAST OF HONSHU, JAPAN
10	09	56	45.2?	17.46	S	178.20	W	500	G	4.2		0.7	13 FIJI ISLANDS REGION
10	10	24	50.9	42.842	N	17.889	E	10	G	4.0		1.2	54 ADRIATIC SEA. ML 3.7 (ROM). Felt in the Slano area, Croatia.
10	10	41	53.9?	2.30	S	138.86	E	33	N	3.6		1.6	5 IRIAN JAYA, INDONESIA
10	11	47	49.5	5.808	S	80.959	W	33	N	4.7		1.0	38 NEAR COAST OF NORTHERN PERU
10	12	18	53.3?	4.33	S	126.20	E	400	G	4.4		1.0	11 BANDA SEA
10	12	30	09.9&	44.300	N	7.415	E	10	G			0.4	8 NORTHERN ITALY. ML 1.9 (GEN).
10	13	32	34.3&	64.661	N	149.422	W	20					20 CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
10	13	49	41.6?	54.06	S	1.87	W	10	G	4.9		1.0	9 BOUVET ISLAND REGION
10	13	57	34.8?	16.89	S	178.78	W	400	G	4.2		0.7	8 FIJI ISLANDS REGION
10	14	42	36.0?	34.08	S	178.90	W	33	N	4.3		1.3	8 SOUTH OF KERMADEC ISLANDS
10	15	26	33.3?	20.35	S	177.80	W	500	G	4.2		1.3	11 FIJI ISLANDS REGION
10	16	05	12.1&	33.734	N	120.059	W	6	G				23 OFF COAST OF CALIFORNIA. <PAS-P>. MD 2.9 (PAS).
10	16	28	35.1*	72.694	N	4.616	E	10	G	4.6		1.0	8 NORWEGIAN SEA
10	17	03	03.6	37.384	N	143.130	E	33	N			0.9	18 OFF EAST COAST OF HONSHU, JAPAN
10	17	31	52.2?	44.60	N	114.32	W	5	G			0.3	8 WESTERN IDAHO. ML 2.6 (BUT). Felt at Challis.
10	18	25	23.5*	43.861	N	10.870	E	10	G			0.7	30 CENTRAL ITALY. ML 2.8 (LDG).
10	18	32	41.5	5.885	S	105.584	E	33	N	5.0		1.1	71 SUNDA STRAIT
10	19	19	55.1	43.128	N	145.901	E	89	D	5.0		0.9	155 HOKKAIDO, JAPAN REGION. Mw 5.2 (HRV). Felt (III JMA) at Akkeshi, Bekkai and Naka-shibetsu.
													Centroid, Moment Tensor (HRV): Centroid origin time 19:19:59.9; Lat 43.13 N; Lon 145.36 E; Dep 97.4; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.31, Plg=35, Azm=285; (N) Val=-0.09, Plg=18, Azm=29; (P) Val=-7.22, Plg=49, Azm=141; Best double couple: Mo=7.3*10**16 Nm; NP1: Strike=322, Dip=20, Slip=-158; NP2: Strike=211, Dip=83, Slip=-72.
10	19	21	59.5*	29.135	N	130.650	E	53	*			1.3	14 RYUKYU ISLANDS
10	19	42	08.8	20.979	S	178.969	W	650	G	4.5		0.8	64 FIJI ISLANDS REGION
10	19	53	06.3	40.066	N	142.042	E	70	D	4.5		1.0	49 NEAR EAST COAST OF HONSHU, JAPAN
10	20	44	14.3	39.604	N	120.177	W	5	G			0.9	39 NORTHERN CALIFORNIA. ML 3.1 (GS), 3.1 (BRK). MD 3.0 (GM).
10	20	55	46.8&	61.106	N	145.439	W	25		3.2			71 SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.5 (PMR).
10	21	22	03.5*	23.030	N	93.622	E	100	G	4.2		0.6	12 MYANMAR-INDIA BORDER REGION
10	21	45	13.7	34.532	N	32.241	E	33	N	4.1		0.9	34 CYPRUS REGION. ML 4.2 (JER).
11	00	36	18.0&	62.920	N	148.710	W	58					53 CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
11	02	06	26.5	34.199	N	26.757	E	33	N	4.3		1.0	82 CRETE. ML 4.6 (JER). MD 4.1 (HLW).
11	02	22	05.7?	35.28	N	140.40	E	33	N			1.4	7 NEAR EAST COAST OF HONSHU, JAPAN
11	03	27	10.6?	15.63	N	96.81	W	33	N	3.8		0.9	7 NEAR COAST OF OAXACA, MEXICO
11	04	09	05.6&	45.169	N	6.505	E	10	G			0.9	6 FRANCE. ML 2.0 (LDG).
11	04	09	26.3?	9.44	S	156.46	E	33	N	4.0		0.9	9 SOLOMON ISLANDS
11	04	09	30.0	29.212	N	130.527	E	45		4.3		1.3	39 RYUKYU ISLANDS
11	04	45	24.3*	6.195	N	126.996	E	33	N	4.3		1.0	19 MINDANAO, PHILIPPINE ISLANDS
11	05	12	44.5?	44.50	N	114.56	W	5	G			0.3	7 WESTERN IDAHO. ML 3.3 (BUT).
11	05	50	23.7	31.631	N	131.542	E	52		5.0	4.9	1.2	106 KYUSHU, JAPAN. Mw 5.5 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 05:50:29.1; Lat 31.69 N; Lon 131.69 E; Dep 53.9; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.46, Plg=70, Azm=318; (N) Val=0.41, Plg=7, Azm=209; (P) Val=-1.87, Plg=19, Azm=117; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=195, Dip=27, Slip=75; NP2: Strike=32, Dip=64, Slip=98.

11	06	00	20.3%	32.838	S	70.984	W	10	G		0.7	11	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
11	06	23	59.5*	3.478	S	134.274	E	33	N	4.3	1.0	11	IRIAN JAYA REGION, INDONESIA
11	07	01	54.3*	6.971	N	73.020	W	150	G	4.2	0.9	18	NORTHERN COLOMBIA
11	07	41	10.0?	35.71	S	71.32	W	130	G		0.3	10	CENTRAL CHILE. MD 3.1 (SAN).
11	07	48	37.6?	7.38	S	129.19	E	150	G	4.0	1.5	10	BANDA SEA
11	08	38	21.5*	36.567	N	71.046	E	212	D	4.5	1.1	21	AFGHANISTAN-TAJIKISTAN BORD REG.
11	09	16	57.1*	42.731	N	83.418	E	23	D	4.3	1.0	14	NORTHERN XINJIANG, CHINA
11	09	19	48.7%	48.038	N	153.836	E	33	N		1.3	10	KURIL ISLANDS
11	09	47	49.1&	62.171	N	141.170	W	9				28	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
11	10	40	26.6?	13.72	N	103.64	W	10	G	3.3	1.0	13	OFF COAST OF GUERRERO, MEXICO
11	11	18	08.0*	2.061	S	136.301	E	33	N	4.3	1.3	16	IRIAN JAYA REGION, INDONESIA
11	12	24	02.2*	17.476	S	178.660	W	500	G	4.1	0.9	19	FIJI ISLANDS REGION
11	12	51	58.6%	43.718	N	6.267	E	10	G		0.6	7	NEAR SOUTH COAST OF FRANCE. ML 1.9 (LDG).
11	12	55	42.7	32.782	N	39.899	W	10	G	4.8 4.7	1.3	66	NORTHERN MID-ATLANTIC RIDGE. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:55:47.9; Lat 32.74 N; Lon 39.59 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.33, Plg=10, Azm=279; (N) Val=-0.20, Plg=17, Azm=186; (P) Val=-6.13, Plg=70, Azm=39; Best double couple: Mo=6.2*10**16 Nm; NP1: Strike=29, Dip=38, Slip=-62; NP2: Strike=175, Dip=57, Slip=-110.
11	13	32	33.5*	39.546	N	54.421	E	33	N	3.7	0.9	17	TURKMENISTAN
11	13	39	03.9	47.997	N	7.461	E	10	G		0.7	10	SWITZERLAND. ML 2.7 (LDG).
11	14	04	33.5%	43.161	N	0.188	W	10	G		1.3	5	PYRENEES. ML 2.7 (LDG). Felt (I) at Asson, France.
11	14	26	53.1?	10.04	N	121.69	E	33	N		1.4	8	PANAY, PHILIPPINE ISLANDS
11	14	35	12.0	8.858	N	93.695	E	33	N	4.7 4.7	1.1	54	NICOBAR ISLANDS, INDIA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:35:14.8; Lat 9.06 N; Lon 93.30 E; Dep 48.3; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=9.09, Plg=3, Azm=317; (N) Val=0.72, Plg=80, Azm=206; (P) Val=-9.81, Plg=9, Azm=47; Best double couple: Mo=9.4*10**16 Nm; NP1: Strike=92, Dip=81, Slip=-4; NP2: Strike=182, Dip=86, Slip=-171.
11	15	00	40.0?	17.31	S	178.68	W	500	G	4.4	0.6	11	FIJI ISLANDS REGION
11	16	45	08.7?	14.02	N	91.19	W	100	G	4.5	1.4	12	GUATEMALA
11	16	57	49.2%	37.054	N	4.157	W	10	G		0.3	5	SPAIN. mbLg 2.5 (MDD).
11	17	04	16.8&	41.978	N	122.139	W	16				14	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.3 (BRK).
11	17	10	56.2	6.362	S	103.493	E	33	N	4.3	0.9	19	SOUTHWEST OF SUMATERA, INDONESIA
11	18	43	51.0%	32.831	S	70.206	W	120	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
11	18	45	28.2?	7.60	S	159.13	E	100	G	3.8	0.9	8	SOLOMON ISLANDS
11	18	54	31.7&	59.846	N	152.558	W	78				47	SOUTHERN ALASKA. <AEIC>.
11	19	11	48.8*	5.860	S	147.272	E	33	N	4.1	1.3	13	EASTERN NEW GUINEA REG., P.N.G.
11	19	32	19.7?	20.52	S	177.73	W	500	G		0.9	8	FIJI ISLANDS REGION
11	20	13	54.4*	1.999	S	133.173	E	33	N	3.7	1.3	8	IRIAN JAYA REGION, INDONESIA
11	20	28	26.0	18.219	N	102.756	W	33	N	6.5 6.9	1.1	354	MICHOACAN, MEXICO. Mw 7.2 (GS), 7.2 (HRV). Me 7.0 (GS). One person killed and extensive damage in the Arteaga area. Felt strongly in much of Michoacan and at Mexico City. Also felt in Colima, Guerrero and Jalisco. Broadband Source Parameters (GS): Dep 35; NP1: Strike=285, Dip=88, Slip=-115; NP2: Strike=191, Dip=25, Slip=-5; Radiated energy 7.4*10**14 Nm. Complex earthquake, with at least one event occurring about 3.5 seconds after the onset. Depth based on second event. Moment Tensor (GS): Dep 11; Principal axes (scale 10**19 Nm): (T) Val=6.33, Plg=46, Azm=25; (N) Val=0.09, Plg=3, Azm=292; (P) Val=-6.42, Plg=44, Azm=199; Best double couple: Mo=6.4*10**19 Nm; NP1: Strike=215, Dip=3, Slip=13; NP2: Strike=112, Dip=89, Slip=93. Centroid, Moment Tensor (HRV): Centroid origin time 20:28:39.6; Lat 18.34 N; Lon 102.58 W; Dep 40.0 Bdy; Half-duration 9.4 sec; Principal axes (scale 10**19 Nm): (T) Val=6.39, Plg=35, Azm=35; (N) Val=-0.66, Plg=16, Azm=294; (P) Val=-5.73, Plg=51, Azm=183; Best double couple: Mo=6.1*10**19 Nm; NP1: Strike=175, Dip=18, Slip=-28; NP2: Strike=292, Dip=82, Slip=-106. Scalar Moment (PPT): Mo=7.5*10**19 Nm.
11	20	28	53.6?	32.60	S	70.36	W	100	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
11	20	48	04.1%	18.101	N	102.996	W	33	N		1.2	8	MICHOACAN, MEXICO
11	21	03	15.0&	63.908	N	150.133	W	14				77	CENTRAL ALASKA. <AEIC>. ML 4.2 (AEIC), 4.3 (PMR).
11	22	22	32.6?	25.85	N	141.02	E	100	G	4.5	0.7	7	VOLCANO ISLANDS REGION
12	00	00	33.8*	11.123	N	125.793	E	33	N	4.3	0.7	13	SAMAR, PHILIPPINE ISLANDS
12	00	01	48.3&	36.058	N	117.639	W	1				35	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 3.6 (PAS). ML 3.6 (GS).
12	00	04	55.9*	51.515	N	178.598	W	33	N	3.4	1.1	20	ANDREANOF ISLANDS, ALEUTIAN IS.
12	00	10	26.8?	18.32	N	102.68	W	33	N	3.8	1.4	18	MICHOACAN, MEXICO
12	01	23	58.9	46.555	N	1.019	W	10	G		1.4	60	FRANCE. ML 4.3 (STR), 4.2 (LDG). mbLg 4.0 (MDD).
12	01	28	26.1*	18.049	N	102.424	W	33	N	4.9	1.1	29	MICHOACAN, MEXICO
12	02	01	00.1?	35.99	N	71.01	E	100	G	3.7	1.5	9	PAKISTAN
12	02	50	13.7%	37.198	N	4.190	W	5	G		0.5	5	SPAIN. mbLg 2.2 (MDD).
12	03	28	48.6*	16.979	S	176.595	E	33	N	4.8 4.7	1.5	21	FIJI ISLANDS REGION
12	05	22	17.2%	33.582	S	70.794	W	70	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
12	05	48	31.3	44.696	N	6.825	E	10	G		0.3	9	FRANCE. ML 2.1 (GEN).
12	06	01	08.0&	49.600	N	120.500	W	5				23	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 3.5 (PGC). MD 4.1 (SEA). Felt at Kelowna, Oliver, Peachland, Penticton, Princeton, and Vernon.
12	07	17	43.6?	3.07	S	78.81	W	100	G	3.7	1.5	8	PERU-ECUADOR BORDER REGION
12	07	39	53.9%	33.185	S	71.424	W	50	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
12	08	15	35.7?	27.47	N	140.11	E	456	*		0.7	10	BONIN ISLANDS REGION
12	08	30	16.4	27.901	S	66.611	W	150	G	4.5	0.7	19	CATAMARCA PROVINCE, ARGENTINA
12	08	31	36.6%	32.676	S	70.501	W	50	G		0.7	10	CHILE-ARGENTINA BORDER REGION. MD 4.4 (SAN).
12	08	32	56.5%	37.383	N	2.109	W	10	G		0.9	18	SPAIN. mbLg 3.5 (MDD). Felt (IV) in the epicentral area.
12	09	36	32.1?	33.78	S	77.14	E	10	G		0.5	5	MID-INDIAN RIDGE
12	10	14	02.2%	39.161	N	75.192	E	10	G		1.2	9	SOUTHERN XINJIANG, CHINA

12	10	29	11.2?	64.81	N	170.66	W	10	G			1.1	13	BERING STRAIT
12	10	48	30.3	35.936	N	28.699	E	61	*	4.1		1.1	53	EASTERN MEDITERRANEAN SEA
12	11	15	23.4?	39.66	N	21.48	E	33	N			1.0	12	GREECE
12	12	01	27.2	9.039	N	83.198	W	10	G			0.8	12	COSTA RICA. MD 4.4 (UPA).
12	12	10	51.3	40.956	N	19.672	E	10	G	4.8	4.7	1.3	195	ALBANIA. ML 4.6 (ROM), 4.4 (THE). More than 70 houses damaged in the Berat District. Damage at Ura Vajgurore. Felt (VI) at Berat and Gramsh; (V) at Cerrik and Elbasan; (IV) at Kavaje, Tepelene and Vlore.
12	13	08	28.3?	23.21	N	142.43	E	150	G			1.2	10	VOLCANO ISLANDS REGION
12	13	31	32.5&	34.088	S	70.493	W	100	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
12	14	32	05.3?	47.42	N	147.21	E	400	G			0.8	7	NORTHWEST OF KURIL ISLANDS
12	14	39	28.2?	18.24	S	172.02	W	33	N	4.5		0.4	7	TONGA ISLANDS REGION
12	15	00	41.9*	33.332	S	70.413	W	100	G	3.4		0.4	12	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
12	15	02	18.9?	23.87	N	108.33	W	24	D	5.0	4.4	1.3	13	GULF OF CALIFORNIA
12	15	46	57.5*	3.520	S	145.994	E	33	N	4.1		1.5	14	NEAR N COAST OF NEW GUINEA, PNG.
12	16	03	48.2?	19.39	N	148.10	E	33	N			1.1	11	MARIANA ISLANDS REGION
12	16	22	01.7?	36.32	N	141.01	E	33	N			1.1	6	NEAR EAST COAST OF HONSHU, JAPAN
12	17	37	22.0	35.517	N	23.046	E	33	N	4.1		1.1	49	CRETE
12	17	39	34.0?	15.53	S	174.63	W	33	N	4.6		1.5	13	TONGA ISLANDS
12	17	43	37.6*	32.008	S	70.398	W	120	G	3.7		0.4	12	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
12	18	35	41.9	6.501	S	145.972	E	137		3.8		0.8	16	NEW GUINEA, PAPUA NEW GUINEA
12	20	04	43.1*	35.346	N	77.875	E	33	N	3.9		1.2	16	EASTERN KASHMIR
12	20	20	58.0	36.485	N	25.752	E	50	G	4.1		1.3	47	DODECANESE ISLANDS
12	23	32	05.9?	54.66	N	163.71	W	33	N			1.4	8	UNIMAK ISLAND REGION
13	00	01	22.1*	56.27&	S	24.343	W	45	D	4.9		0.8	14	SOUTH SANDWICH ISLANDS REGION
13	00	46	32.8*	51.079	N	179.201	E	33	N	3.6		1.0	8	RAT ISLANDS, ALEUTIAN ISLANDS
13	01	00	17.0	9.103	S	75.069	W	126	D	5.0		0.9	91	CENTRAL PERU
13	01	39	08.3*	18.386	S	174.855	W	100	G	4.8		1.1	29	TONGA ISLANDS
13	01	47	21.2*	34.513	N	37.269	W	10	G	3.9		0.5	10	NORTHERN MID-ATLANTIC RIDGE
13	02	24	10.8?	28.65	N	55.96	E	50	G	3.5		1.4	10	SOUTHERN IRAN
13	03	18	01.0?	37.79	N	21.95	E	33	N			1.2	10	SOUTHERN GREECE
13	04	23	02.6&	36.625	N	71.037	E	50	G			0.7	8	AFGHANISTAN-TAJIKISTAN BORD REG.
13	05	51	11.3&	63.338	N	149.644	W	102					70	CENTRAL ALASKA. <AEIC>.
13	06	26	30.9*	0.486	N	99.225	E	100	G	4.3		1.1	21	NORTHERN SUMATERA, INDONESIA
13	06	43	50.1?	17.98	N	106.45	W	33	N	4.7		1.2	17	OFF COAST OF JALISCO, MEXICO
13	06	51	04.8*	8.048	S	122.591	E	250	G	4.7		1.2	15	FLORES REGION, INDONESIA
13	07	51	32.7?	27.68	N	131.57	E	33	N	4.7		0.6	6	SOUTHEAST OF RYUKYU ISLANDS
13	08	06	31.7?	10.31	N	125.25	E	33	N	4.7		0.6	7	LEYTE, PHILIPPINE ISLANDS
13	09	02	36.5&	37.141	N	3.747	W	10	G			0.9	6	SPAIN. mbLg 2.6 (MDD).
13	10	01	35.7?	50.74	N	15.72	E	5	G			1.3	6	CZECH AND SLOVAK REPUBLICS
13	10	19	26.1	34.305	N	32.326	E	33	N	5.3	5.4	1.1	267	CYPRUS REGION. Mw 5.7 (GS), 5.7 (HRV). ML 5.9 (CSS). Felt strongly at Limassol and Paphos. Felt in Israel and Lebanon. Also felt at Cairo, Egypt. Moment Tensor (GS): Dep 15; Principal axes (scale 10**17 Nm): (T) Val=4.19, Plg=20, Azm=335; (N) Val=-0.43, Plg=70, Azm=164; (P) Val=-3.76, Plg=3, Azm=66; Best double couple: Mo=4.0*10**17 Nm; NP1: Strike=112, Dip=74, Slip=12; NP2: Strike=19, Dip=78, Slip=164. Centroid, Moment Tensor (HRV): Centroid origin time 10:19:28.3; Lat 34.09 N; Lon 31.74 E; Dep 33.0 Fix; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=3.70, Plg=2, Azm=323; (N) Val=0.56, Plg=73, Azm=227; (P) Val=-4.25, Plg=17, Azm=54; Best double couple: Mo=4.0*10**17 Nm; NP1: Strike=97, Dip=76, Slip=-11; NP2: Strike=190, Dip=79, Slip=-166.
13	11	23	32.9&	38.638	N	72.024	E	100	G			1.1	14	TAJIKISTAN
13	11	29	37.6&	33.448	N	116.902	W	14					19	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.6 (PAS). Felt in the Escondido area.
13	11	37	20.3	34.364	N	141.102	E	40	*	5.0		0.9	61	OFF EAST COAST OF HONSHU, JAPAN
13	11	54	00.1	47.272	N	11.209	E	5	G			0.5	7	AUSTRIA. ML 1.8 (VIE).
13	13	18	49.0	16.914	N	147.073	E	33	N	5.1	5.2	1.3	88	MARIANA ISLANDS REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:18:54.1; Lat 16.57 N; Lon 147.32 E; Dep 18.0 Bdy; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.48, Plg=58, Azm=246; (N) Val=0.37, Plg=10, Azm=352; (P) Val=-2.85, Plg=31, Azm=88; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=207, Dip=17, Slip=126; NP2: Strike=350, Dip=76, Slip=80.
13	13	42	41.6*	16.973	N	147.207	E	33	N	4.1		1.0	22	MARIANA ISLANDS REGION
13	14	06	05.8*	16.954	N	147.221	E	33	N	4.1		1.1	17	MARIANA ISLANDS REGION
13	14	54	38.9&	40.287	N	124.390	W	21					28	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.8 (GM). ML 4.1 (BRK).
13	15	19	03.0	71.541	N	4.706	W	10	G	4.4		1.4	43	JAN MAYEN ISLAND REGION
13	15	45	31.6&	63.250	N	151.083	W	5					38	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
13	15	57	26.1?	20.89	S	178.69	W	600	G	4.1		1.0	17	FIJI ISLANDS REGION
13	16	09	34.8&	33.267	N	116.010	W	4					23	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.5 (PAS). ML 3.7 (GS).
13	16	14	21.2*	36.860	N	71.351	E	150	G	3.2		0.3	8	AFGHANISTAN-TAJIKISTAN BORD REG.
13	16	32	49.0	43.705	N	127.926	W	10	G	3.8		0.9	36	OFF COAST OF OREGON
13	16	43	59.6&	33.385	N	116.981	W	9					21	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.9 (PAS). Felt slightly in the Escondido area.
13	18	15	57.6	34.332	N	32.398	E	33	N	4.1		1.0	46	CYPRUS REGION. ML 4.3 (JER).
13	18	53	05.8*	17.186	N	146.914	E	33	N	3.5		0.9	11	MARIANA ISLANDS
13	18	58	05.4	37.059	N	143.093	E	36	D	4.7		1.0	34	OFF EAST COAST OF HONSHU, JAPAN
13	20	24	19.0?	4.24	N	127.04	E	100	G	4.1		1.0	7	TALAUD ISLANDS, INDONESIA
13	21	04	10.5*	14.976	S	75.947	W	33	N	4.1		1.0	14	NEAR COAST OF PERU
13	22	54	18.8?	16.89	N	147.23	E	33	N	3.5		0.6	7	MARIANA ISLANDS REGION
13	23	09	55.6&	44.440	N	7.345	E	10	G			0.4	9	NORTHERN ITALY. ML 2.0 (LDG).
13	23	33	15.7*	16.954	N	147.210	E	33	N	4.2		0.9	18	MARIANA ISLANDS REGION
13	23	37	38.2*	30.501	S	178.480	W	250	G	4.8		1.2	30	KERMADEC ISLANDS, NEW ZEALAND
13	23	55	56.2	43.973	N	10.679	E	10	G			1.3	35	CENTRAL ITALY. ML 3.1 (THE), 3.0 (LDG), 2.9 (VIE).
13	23	57	17.3*	45.111	N	151.913	E	33	N	4.8		1.1	21	KURIL ISLANDS
14	00	02	26.9	39.587	N	120.142	W	5	G			1.0	16	NORTHERN CALIFORNIA. MD 3.0 (GM).
14	00	29	10.0?	32.11	S	70.47	W	100	G			0.3	9	CHILE-ARGENTINA BORDER REGION

14	00	55	54.1%	31.663	S	67.548	W	33	N	3.9		1.4	12	SAN JUAN PROVINCE, ARGENTINA
14	02	24	56.7%	45.910	N	6.192	E	5	G			1.3	8	FRANCE. ML 2.2 (LDG).
14	03	07	14.5&	36.829	N	121.561	W	7					20	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).
14	03	30	34.2*	34.320	N	32.522	E	33	N	4.0		1.1	23	CYPRUS REGION. MD 3.9 (HLW).
14	03	40	49.9*	34.472	N	32.347	E	33	N			0.4	7	CYPRUS REGION. MD 3.8 (HLW).
14	04	16	11.8*	29.692	N	70.121	E	10	G	4.1		1.0	8	PAKISTAN
14	04	57	46.9*	52.762	N	157.774	E	150	G			0.7	11	KAMCHATKA
14	05	30	52.3%	26.659	N	126.239	E	150	G			0.8	11	RYUKYU ISLANDS
14	06	20	58.9	34.317	N	141.227	E	33	N	5.0		0.9	69	OFF EAST COAST OF HONSHU, JAPAN
14	07	21	39.7?	8.95	N	82.96	W	10	G			0.1	6	PANAMA-COSTA RICA BORDER REGION. MD 4.1 (UPA).
14	08	13	00.2	49.333	N	155.660	E	33	N	5.0	4.4	0.9	112	KURIL ISLANDS
14	08	46	50.5*	17.219	S	69.324	W	100	G	4.3		1.5	9	PERU-BOLIVIA BORDER REGION
14	09	15	26.8*	22.182	S	171.552	E	33	N	5.2	4.6	1.3	53	LOYALTY ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:15:35.5; Lat 22.75 S; Lon 171.48 E; Dep 87.1; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.06, Plg=44, Azm=281; (N) Val=0.00, Plg=41, Azm=136; (P) Val=-1.06, Plg=18, Azm=29; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=76, Dip=45, Slip=23; NP2: Strike=330, Dip=74, Slip=133.
14	09	59	45.5?	27.74	N	53.69	E	33	N	3.6		0.5	5	SOUTHERN IRAN
14	11	07	03.9?	23.24	S	174.75	W	33	N	4.2		1.2	10	TONGA ISLANDS REGION
14	11	44	49.1%	34.040	S	70.069	W	10	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
14	11	47	55.1	37.403	N	141.373	E	50	G	3.3		1.1	15	NEAR EAST COAST OF HONSHU, JAPAN
14	12	21	40.0	31.466	N	131.825	E	33	N	3.2		0.5	7	KYUSHU, JAPAN
14	12	42	36.0?	27.44	N	140.02	E	500	G	2.8		1.2	7	BONIN ISLANDS REGION
14	13	42	52.4*	53.317	N	170.616	E	33	N	3.3		1.3	10	NEAR ISLANDS, ALEUTIAN ISLANDS
14	14	20	52.4*	20.849	S	178.898	W	600	G	4.3		0.8	18	FIJI ISLANDS REGION
14	14	46	52.3	30.538	N	131.519	E	37	D	3.8	4.1	0.8	22	KYUSHU, JAPAN
14	18	03	34.4	17.373	N	61.623	W	55		4.8		0.9	112	LEEWARD ISLANDS. MD 5.4 (FDF), 5.4 (TRN). Felt (IV) on Antigua, Guadeloupe and St. Kitts; (III) on Montserrat.
14	18	05	23.0	21.581	N	143.023	E	300	G	4.6		0.9	73	MARIANA ISLANDS REGION
14	18	10	45.3?	17.40	N	62.28	W	33	N			0.3	4	LEEWARD ISLANDS. MD 2.4 (TRN).
14	18	49	00.2?	35.02	N	121.65	E	39	D	3.9		1.1	7	YELLOW SEA
14	18	56	07.3*	5.697	S	133.454	E	33	N	4.2		1.5	11	ARU ISLANDS REGION, INDONESIA
14	19	01	51.5?	25.08	S	179.32	E	600	G			1.3	9	SOUTH OF FIJI ISLANDS
14	19	09	42.9%	40.842	N	4.289	W	10	G			1.5	6	SPAIN. *mbLg* 2.8 (MDD).
14	19	17	50.5	40.814	N	78.786	E	23	D	4.3		0.9	20	SOUTHERN XINJIANG, CHINA
14	19	39	11.5*	24.853	N	127.728	E	39	D	4.4		1.2	19	SOUTHEAST OF RYUKYU ISLANDS
14	19	53	10.7*	12.918	N	90.187	W	50	G	4.0		0.8	15	OFF COAST OF CENTRAL AMERICA. MD 4.2 (SSS). Felt (II) at San Salvador, El Salvador.
14	20	06	04.0	24.590	N	122.627	E	100	G	3.2		0.8	12	TAIWAN REGION
14	21	11	17.2	12.681	N	143.715	E	33	N	4.9		1.0	30	SOUTH OF MARIANA ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:11:20.9; Lat 12.58 N; Lon 143.57 E; Dep 31.5; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.69, Plg=74, Azm=229; (N) Val=-0.29, Plg=12, Azm=93; (P) Val=-1.40, Plg=11, Azm=1; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=76, Dip=36, Slip=69; NP2: Strike=281, Dip=57, Slip=104.
14	21	30	55.4?	36.76	S	176.84	E	200	G	4.8		0.9	12	OFF E. COAST OF N. ISLAND, N.Z.
14	22	13	29.5*	24.124	N	127.166	E	33	N	4.0		0.3	7	SOUTHEAST OF RYUKYU ISLANDS
14	22	57	47.2&	62.131	N	141.226	W	6					9	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC).
14	22	58	16.5	40.546	N	20.688	E	10	G	4.1		1.5	47	GREECE-ALBANIA BORDER REGION. ML 3.8 (ROM), 3.5 (SKO).
15	01	03	36.8	8.997	N	83.120	W	20	G	3.9		1.2	15	COSTA RICA. MD 4.5 (UPA).
15	01	10	41.3*	34.001	S	71.278	W	80	G			0.2	11	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
15	01	26	20.4?	20.78	N	100.94	E	33	N			1.5	5	SOUTHEAST ASIA
15	01	26	28.6	2.828	N	84.345	W	33	N	5.0	4.6	0.8	58	OFF COAST OF CENTRAL AMERICA. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:26:28.3; Lat 2.85 N; Lon 83.91 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.86, Plg=0, Azm=178; (N) Val=-2.23, Plg=0, Azm=88; (P) Val=-2.63, Plg=90, Azm=180; Best double couple: Mo=3.7*10**16 Nm; NP1: Strike=268, Dip=45, Slip=-90; NP2: Strike=88, Dip=45, Slip=-90.
15	01	29	21.1?	3.53	N	84.02	W	33	N	3.5		0.9	7	OFF COAST OF CENTRAL AMERICA
15	02	47	02.3	52.319	N	173.973	W	100	G	4.0		0.9	22	ANDREANOF ISLANDS, ALEUTIAN IS.
15	03	31	05.3?	21.22	S	169.42	E	33	N			1.4	15	LOYALTY ISLANDS REGION
15	04	06	39.7*	15.405	S	75.049	W	50	G	4.0		1.3	11	NEAR COAST OF PERU
15	04	37	25.2?	10.52	N	61.84	W	5	G			0.3	6	TRINIDAD. MD 3.3 (TRN).
15	05	00	52.7	34.375	N	32.454	E	33	N	3.8		0.9	28	CYPRUS REGION. ML 4.2 (JER).
15	05	10	02.4*	51.091	N	15.653	E	5	G			1.2	6	POLAND. ML 2.5 (MOX).
15	05	35	09.8	47.726	N	6.979	E	10	G			1.1	50	FRANCE. ML 3.4 (LDG), 3.4 (GRF), 3.3 (STR), 3.1 (FUR), 3.0 (VIE).
15	06	06	26.2*	1.499	N	117.915	E	33	N	4.3		1.0	13	BORNEO
15	06	46	58.5&	60.135	N	153.047	W	152					32	SOUTHERN ALASKA. <AEIC>.
15	07	36	35.8?	1.54	S	24.07	W	10	G	4.2		1.4	11	CENTRAL MID-ATLANTIC RIDGE
15	07	49	25.1?	13.80	N	87.11	W	250	G	3.5		1.4	14	HONDURAS
15	07	58	26.2?	21.31	S	174.15	W	33	N	4.5		0.4	11	TONGA ISLANDS
15	08	14	24.5*	51.732	N	16.055	E	5	G			1.5	9	POLAND. ML 2.6 (MOX), 2.3 (CLL).
15	08	24	07.0%	33.247	S	70.950	W	70	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 1.9 (SAN).
15	11	06	41.6	34.305	N	32.273	E	33	N			0.3	13	CYPRUS REGION. ML 4.0 (JER).
15	11	10	42.9?	9.59	S	124.42	E	100	G	4.4		1.5	8	TIMOR REGION, INDONESIA
15	11	59	55.2?	22.33	N	143.80	E	150	G	3.2		0.9	5	VOLCANO ISLANDS REGION
15	12	24	05.4	51.660	N	16.074	E	5	G	3.4		1.4	16	POLAND. ML 3.6 (GRF), 3.6 (VIE), 3.2 (MOX).
15	12	53	20.6	21.641	S	68.296	W	119	D	4.8		1.0	34	CHILE-BOLIVIA BORDER REGION
15	15	23	35.7?	35.69	N	69.12	E	200	G			0.2	5	HINDU KUSH REGION, AFGHANISTAN
15	15	28	11.3*	28.980	N	51.953	E	33	N	4.0		1.0	17	SOUTHERN IRAN
15	15	43	19.3%	22.960	N	123.147	E	33	N			0.7	5	SOUTHEAST OF TAIWAN
15	16	17	19.3&	33.819	N	117.002	W	13					23	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.2 (PAS). ML 3.1 (GS). Felt at Hemet and in the Perris Lake area.
15	17	43	19.4*	12.581	N	125.420	E	33	N	4.7		0.9	15	SAMAR, PHILIPPINE ISLANDS
15	18	06	35.8&	59.868	N	151.751	W	48					117	KENAI PENINSULA, ALASKA. <AEIC>. ML 4.2 (AEIC), 4.0 (PMR).

														Felt at Anchor Point, Clam Gulch, Homer, Ninilchik and Seldovia.
15	18	54	34.9	11.531	S	117.940	E	33	N	4.7		1.1	23	SOUTH OF SUMBAWA, INDONESIA
15	19	23	56.4&	37.483	N	118.806	W	10					13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.0 (BRK).
15	19	25	07.0?	44.72	N	126.13	W	10	G	2.6		0.5	15	OFF COAST OF OREGON
15	19	31	04.0%	46.424	N	3.366	E	10	G			0.5	5	FRANCE. ML 2.0 (LDG).
15	19	36	52.2?	17.07	N	147.41	E	33	N			0.7	9	MARIANA ISLANDS REGION
15	20	16	09.8&	60.163	N	153.110	W	150					50	SOUTHERN ALASKA. <AEIC>.
15	20	24	54.6*	11.142	S	113.328	E	14				1.1	10	SOUTH OF JAWA, INDONESIA
15	20	42	39.7*	14.995	S	75.695	W	33	N	4.4		0.9	20	NEAR COAST OF PERU
15	22	10	52.8	2.233	S	85.112	E	10	G	4.8	4.3	0.8	66	SOUTH INDIAN OCEAN
15	22	27	24.2*	28.194	N	142.889	E	33	N	4.5		1.3	9	BONIN ISLANDS REGION
16	00	38	44.9%	22.955	N	123.119	E	33	N			1.5	10	SOUTHEAST OF TAIWAN
16	00	53	11.1?	31.64	N	85.25	E	50	G			0.4	6	XIZANG
16	01	07	19.8	21.876	N	121.461	E	30		5.3	4.5	1.0	131	TAIWAN REGION. Felt on Lan Yu.
16	01	26	45.5&	60.938	N	151.495	W	67					55	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
16	01	27	50.2	31.518	N	85.050	E	33	N	4.5		1.2	37	XIZANG
16	01	37	07.1&	62.558	N	151.340	W	89					58	CENTRAL ALASKA. <AEIC>.
16	02	44	44.5?	15.82	S	167.10	E	100	G	4.5		1.4	18	VANUATU ISLANDS
16	03	27	57.0%	32.974	S	70.300	W	100	G			0.3	10	CHILE-ARGENTINA BORDER REGION
16	03	41	20.1*	17.224	N	120.507	E	50	G	3.9		1.5	14	LUZON, PHILIPPINE ISLANDS
16	03	48	28.1*	7.415	S	155.938	E	21	D	4.6		1.4	23	SOLOMON ISLANDS
16	04	07	27.1	6.109	S	142.189	E	33	N	4.0		1.1	14	NEW GUINEA, PAPUA NEW GUINEA
16	06	10	37.1*	31.684	N	131.752	E	63	*			1.5	10	KYUSHU, JAPAN
16	06	58	37.7&	34.947	N	120.744	W	6	G				40	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.0 (PAS).
16	07	36	56.2&	37.334	N	118.693	W	15					24	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (GS), 3.0 (BRK).
16	07	49	58.7*	47.400	N	149.966	E	250	G	4.0		1.1	21	NORTHWEST OF KURIL ISLANDS
16	08	13	11.1?	64.47	S	175.47	E	10	G	4.6		1.4	12	BALLENY ISLANDS REGION
16	09	16	49.7*	44.431	N	148.231	E	50	G	4.9		1.2	22	KURIL ISLANDS
16	09	45	47.3	21.576	N	121.283	E	33	N	4.2		1.0	26	TAIWAN REGION
16	10	40	58.2?	26.97	S	176.64	W	33	N	4.8		1.0	14	SOUTH OF FIJI ISLANDS
16	11	28	41.7*	1.297	N	121.569	E	33	N	4.4		0.9	19	MINAHASSA PENINSULA, SULAWESI
16	11	43	50.4%	33.235	S	71.107	W	60	G			0.3	8	NEAR COAST OF CENTRAL CHILE
16	11	44	22.8*	11.967	S	162.903	E	33	N	3.9		0.5	8	SOLOMON ISLANDS
16	13	27	54.4?	31.56	S	69.74	W	160	G			0.4	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.3 (SAN).
16	13	37	44.2?	6.89	S	72.10	E	10	G	4.4		0.9	11	CHAGOS ARCHIPELAGO REGION
16	14	18	22.2?	32.43	S	72.01	W	10	G			0.5	10	OFF COAST OF CENTRAL CHILE. MD 3.4 (SAN).
16	14	32	40.5%	36.181	N	139.825	E	33	N			0.4	5	EASTERN HONSHU, JAPAN
16	14	57	12.9*	30.906	N	138.669	E	400	G	3.8		0.7	8	SOUTH OF HONSHU, JAPAN
16	14	59	28.5?	21.03	S	173.62	W	33	N	4.1		1.2	15	TONGA ISLANDS
16	16	02	49.7&	40.389	N	124.934	W	23					26	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.4 (GM). ML 3.3 (BRK).
16	16	13	08.5?	22.30	S	179.59	W	600	G	4.7		1.1	23	SOUTH OF FIJI ISLANDS
16	16	42	01.1*	14.058	S	168.210	E	33	N	4.0		1.0	18	VANUATU ISLANDS
16	17	24	16.8?	2.23	S	125.97	E	33	N	4.5		1.4	11	CERAM SEA
16	17	34	32.0?	9.81	S	161.01	E	100	G	3.7		1.1	7	SOLOMON ISLANDS
16	17	37	37.7	7.508	S	156.216	E	33	N	4.6		1.1	24	SOLOMON ISLANDS
16	17	47	40.4*	7.445	S	156.176	E	33	N	3.9		1.5	13	SOLOMON ISLANDS
16	18	12	06.5%	45.527	N	6.168	E	5	G			0.7	6	FRANCE. ML 1.7 (LDG).
16	19	26	21.6?	24.65	S	116.49	W	10	G	4.3		0.6	9	SOUTHERN EAST PACIFIC RISE
16	19	46	51.8*	7.329	S	156.001	E	33	N	3.8		1.4	12	SOLOMON ISLANDS
16	20	18	54.8?	3.08	N	84.30	W	10	G	3.8		1.0	12	OFF COAST OF CENTRAL AMERICA
16	20	27	01.2%	36.048	N	139.952	E	33	N			0.3	6	EASTERN HONSHU, JAPAN
16	20	38	16.4*	6.355	S	130.016	E	33	N	4.0		1.3	13	BANDA SEA
16	20	46	39.7&	37.321	N	118.541	W	15					2	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK).
16	21	23	23.5?	30.55	S	179.06	E	600	G	4.2		0.4	13	KERMADEC ISLANDS REGION
16	21	41	07.0	18.098	N	102.675	W	28	D	5.6	4.9	1.0	172	MICHOACAN, MEXICO. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:41:16.9; Lat 18.23 N; Lon 102.55 W; Dep 47.2; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.17, Plg=80, Azm=240; (N) Val=0.04, Plg=7, Azm=110; (P) Val=-2.21, Plg=8, Azm=19; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=102, Dip=38, Slip=79; NP2: Strike=295, Dip=53, Slip=98.
16	22	13	15.5&	61.264	N	150.852	W	49					65	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 3.1 (PMR).
16	23	00	23.6?	23.99	S	179.72	E	500	G	4.5		0.9	17	SOUTH OF FIJI ISLANDS
16	23	29	07.1?	37.86	N	1.09	W	10	G			1.4	5	SPAIN. mbLg 2.9 (MDD).
16	23	34	34.1?	58.37	S	25.75	W	33	N	4.7		1.1	15	SOUTH SANDWICH ISLANDS REGION
16	23	37	44.6?	20.25	S	177.88	W	500	G	4.1		1.2	16	FIJI ISLANDS REGION
17	00	18	58.2?	18.54	N	71.76	W	33	N	3.7		1.3	17	DOMINICAN REPUBLIC REGION
17	00	25	19.1?	22.13	N	144.25	E	150	G	3.2		1.5	5	VOLCANO ISLANDS REGION
17	00	57	20.1?	32.04	S	70.15	W	120	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
17	01	02	16.5*	17.368	S	178.979	W	550	G	4.6		1.0	58	FIJI ISLANDS REGION
17	01	43	56.2%	13.780	N	120.764	E	200	G			0.8	13	MINDORO, PHILIPPINE ISLANDS
17	02	12	18.0?	4.16	S	151.14	E	33	N	4.1		1.4	6	NEW BRITAIN REGION, P.N.G.
17	04	29	01.9	68.827	N	17.039	W	10	G	4.3		0.9	52	ICELAND REGION
17	04	55	18.3*	21.844	N	143.129	E	250	G	4.0		0.8	17	MARIANA ISLANDS REGION
17	05	00	49.7*	22.090	S	179.615	W	550	G	4.8		1.0	27	SOUTH OF FIJI ISLANDS
17	05	13	39.8*	36.517	N	71.032	E	250	G	3.5		0.5	13	AFGHANISTAN-TAJIKISTAN BORD REG.
17	05	52	04.7	39.640	N	120.033	W	5	G			0.5	17	NORTHERN CALIFORNIA. ML 3.0 (GS). MD 2.8 (GM).
17	07	03	21.8?	1.06	S	149.75	E	33	N			1.6	5	NEW IRELAND REGION, P.N.G.
17	09	18	26.3?	2.08	S	133.54	E	33	N			1.6	5	IRIAN JAYA REGION, INDONESIA
17	09	30	53.5*	7.677	N	36.759	W	10	G	4.1		0.7	12	CENTRAL MID-ATLANTIC RIDGE
17	10	38	55.4	1.704	S	123.984	E	33	N	4.4		1.4	17	SULAWESI, INDONESIA
17	10	49	01.1?	32.80	S	179.16	E	400	G	4.0		0.9	13	SOUTH OF KERMADEC ISLANDS
17	11	06	31.3*	2.642	S	128.833	E	37	*	4.4		1.5	28	CERAM SEA
17	11	16	16.6*	6.426	S	154.665	E	100	G	3.8		1.2	8	SOLOMON ISLANDS
17	11	20	22.0	8.899	S	123.542	E	111	D	6.2		1.0	292	FLORES REGION, INDONESIA. Mw 6.2 (GS), 6.2 (HRV). Me 6.0 (GS). Felt (IV) at Waingapu. Broadband Source Parameters (GS): Dep 105; NP1: Strike=70,

Dip=86, Slip=120; NP2: Strike=167, Dip=30, Slip=8; Radiated energy 2.1*10**13 Nm.
Moment Tensor (GS): Dep 111; Principal axes (scale 10**18 Nm): (T) Val=2.20, Plg=41, Azm=345; (N) Val=0.00, Plg=18, Azm=239; (P) Val=-2.20, Plg=44, Azm=131; Best double couple: Mo=2.2*10**18 Nm; NP1: Strike=143, Dip=18, Slip=-6; NP2: Strike=239, Dip=88, Slip=-108.
Centroid, Moment Tensor (HRV): Centroid origin time 11:20:28.0; Lat 8.88 S; Lon 123.72 E; Dep 113.3; Half-duration 3.1 sec; Principal axes (scale 10**18 Nm): (T) Val=1.86, Plg=44, Azm=336; (N) Val=0.29, Plg=6, Azm=240; (P) Val=-2.15, Plg=45, Azm=143; Best double couple: Mo=2.0*10**18 Nm; NP1: Strike=143, Dip=6, Slip=-7; NP2: Strike=240, Dip=89, Slip=-96.

17	11	35	49.9%	11.008	N	61.825	W	50	G		0.3	9	WINDWARD ISLANDS. MD 3.6 (TRN). Felt (II) on Trinidad.
17	12	05	01.6*	10.635	S	112.026	E	33	N	4.0	0.4	6	SOUTH OF JAWA, INDONESIA
17	13	14	02.7%	18.449	N	67.443	W	10	G		0.4	8	MONA PASSAGE. MD 3.2 (MPR).
17	13	20	49.3?	21.89	N	143.50	E	150	G		1.2	7	MARIANA ISLANDS REGION
17	13	52	41.8?	17.28	S	178.89	W	500	G	4.6	1.2	20	FIJI ISLANDS REGION
17	13	55	44.1*	30.230	S	72.509	W	50	G	4.5	0.7	14	OFF COAST OF CENTRAL CHILE. MD 4.7 (SAN).
17	14	59	31.1?	44.53	N	113.89	W	5	G		0.2	7	EASTERN IDAHO. MD 3.4 (BUT).
17	15	37	06.6	28.745	N	130.023	E	33	N	5.2	1.1	140	RYUKYU ISLANDS
17	15	53	13.4	28.814	N	129.953	E	33	N	5.9 6.3	1.0	327	RYUKYU ISLANDS. Mw 6.3 (HRV), 6.2 (GS). Me 5.8 (GS).

Broadband Source Parameters (GS): Dep 24; NP1: Strike=30, Dip=88, Slip=70; NP2: Strike=295, Dip=20, Slip=174; Radiated energy 1.3*10**13 Nm.
Moment Tensor (GS): Dep 6; Principal axes (scale 10**18 Nm): (T) Val=2.82, Plg=48, Azm=280; (N) Val=-0.75, Plg=7, Azm=18; (P) Val=-2.07, Plg=42, Azm=115; Best double couple: Mo=2.4*10**18 Nm; NP1: Strike=266, Dip=8, Slip=157; NP2: Strike=18, Dip=87, Slip=83.
Centroid, Moment Tensor (HRV): Centroid origin time 15:53:17.1; Lat 28.76 N; Lon 129.83 E; Dep 15.0 Fix; Half-duration 3.1 sec; Principal axes (scale 10**18 Nm): (T) Val=2.62, Plg=48, Azm=290; (N) Val=0.23, Plg=7, Azm=28; (P) Val=-2.84, Plg=41, Azm=124; Best double couple: Mo=2.7*10**18 Nm; NP1: Strike=272, Dip=8, Slip=154; NP2: Strike=28, Dip=86, Slip=83.

17	16	11	43.1*	28.369	N	130.274	E	33	N	3.3	1.2	12	RYUKYU ISLANDS
17	16	18	41.5%	43.969	N	7.963	E	10	G		0.3	6	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG).
17	17	52	55.5%	22.099	N	120.526	E	33	N		0.1	5	TAIWAN
17	17	53	18.7%	45.961	N	6.243	E	10	G		1.2	9	FRANCE. ML 2.3 (LDG).
17	18	00	36.6?	12.56	N	87.96	W	100	G	3.2	1.5	5	NEAR COAST OF NICARAGUA
17	18	18	55.5*	28.249	N	139.730	E	420		4.2	0.9	25	BONIN ISLANDS REGION
17	20	58	39.1*	2.806	S	140.579	E	33	N	4.4	1.5	14	NEAR NORTH COAST OF IRIAN JAYA
17	21	10	41.1	0.965	N	27.622	W	10	G	4.8	0.8	71	CENTRAL MID-ATLANTIC RIDGE
17	21	13	28.1*	0.947	N	27.652	W	10	G	4.4	1.3	14	CENTRAL MID-ATLANTIC RIDGE
17	21	14	15.8	0.908	N	27.653	W	10	G	4.9 4.3	0.8	123	CENTRAL MID-ATLANTIC RIDGE
17	21	39	50.0	38.036	N	20.455	E	10	G		1.1	28	GREECE. ML 4.1 (ROM).
17	21	45	03.4*	51.595	N	16.149	E	5	G		0.5	6	POLAND. ML 2.5 (MOX), 2.1 (CLL).
17	21	57	29.1*	17.703	S	178.491	W	550	G	4.5	1.0	19	FIJI ISLANDS REGION
17	22	32	11.5	24.308	S	67.097	W	167	*	4.5	0.9	28	CHILE-ARGENTINA BORDER REGION
17	22	42	12.6&	61.211	N	150.409	W	55		2.4		62	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
17	22	57	37.5	50.176	N	12.378	E	10	G		0.8	14	GERMANY. ML 3.3 (STR), 3.0 (FUR).
17	22	57	51.0*	14.812	S	167.318	E	150	G	4.7	1.1	77	VANUATU ISLANDS
17	22	58	57.8*	6.966	N	72.888	W	150	G	4.5	1.2	26	NORTHERN COLOMBIA
17	23	22	50.5?	38.58	S	78.87	E	10	G	4.7	1.5	19	MID-INDIAN RIDGE
17	23	24	09.8*	47.416	S	13.451	W	10	G	5.4 5.7	1.4	85	SOUTHERN MID-ATLANTIC RIDGE. Mw 5.8 (HRV), 5.6 (GS).

Moment Tensor (GS): Dep 5; Principal axes (scale 10**17 Nm): (T) Val=3.15, Plg=1, Azm=267; (N) Val=0.26, Plg=0, Azm=177; (P) Val=-3.41, Plg=89, Azm=75; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=357, Dip=44, Slip=-90; NP2: Strike=177, Dip=46, Slip=-90.
Centroid, Moment Tensor (HRV): Centroid origin time 23:24:16.2; Lat 47.37 S; Lon 12.99 W; Dep 15.0 Fix; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=5.08, Plg=6, Azm=262; (N) Val=-0.37, Plg=7, Azm=171; (P) Val=-4.72, Plg=81, Azm=29; Best double couple: Mo=4.9*10**17 Nm; NP1: Strike=0, Dip=40, Slip=-78; NP2: Strike=165, Dip=51, Slip=-100.

17	23	25	39.1*	50.232	N	12.397	E	10	G		0.4	5	GERMANY
17	23	40	52.4*	23.944	S	66.607	W	200	G		0.8	9	JUJUY PROVINCE, ARGENTINA
18	00	04	51.9%	11.043	N	61.770	W	33	N		0.5	7	WINDWARD ISLANDS. MD 3.2 (TRN).
18	00	11	30.7&	34.158	N	116.424	W	1				19	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.1 (PAS). ML 3.1 (GS). Felt at Yucca Valley.
18	00	44	08.5&	34.355	N	118.740	W	17				33	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.0 (PAS). ML 3.0 (GS). Felt in Simi Valley.
18	01	31	58.2*	5.198	S	151.272	E	108	*	4.4	0.8	18	NEW BRITAIN REGION, P.N.G.
18	02	09	45.4?	23.89	S	179.72	E	500	G	3.8	0.3	7	SOUTH OF FIJI ISLANDS
18	02	31	10.8?	44.88	N	147.06	E	66	?	3.8	1.3	14	KURIL ISLANDS
18	02	39	14.7	54.094	N	158.119	W	33	N	4.4	1.1	56	SOUTH OF ALASKA. ML 4.3 (PMR).
18	02	54	01.0?	36.38	N	70.68	E	244	?		0.7	9	HINDU KUSH REGION, AFGHANISTAN
18	03	14	36.4*	11.002	S	161.913	E	33	N	3.9	0.8	6	SOLOMON ISLANDS
18	04	06	42.0	5.848	N	126.252	E	135		5.1	1.0	88	MINDANAO, PHILIPPINE ISLANDS
18	04	11	12.2	34.307	N	32.389	E	33	N	4.1	1.0	38	CYPRUS REGION. ML 4.3 (JER).
18	04	41	49.8?	34.89	S	179.28	W	33	N	4.2	0.4	7	SOUTH OF KERMADEC ISLANDS
18	05	01	32.6?	71.24	S	96.18	W	30	D	4.5	0.9	11	SOUTHERN PACIFIC OCEAN
18	05	34	14.7	50.226	N	12.510	E	10	G		1.2	6	GERMANY
18	06	00	05.2?	34.02	S	72.22	W	10	G		0.7	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
18	06	38	52.6*	30.811	S	76.279	E	10	G	4.6	0.6	12	MID-INDIAN RIDGE
18	07	17	07.1?	10.85	N	61.89	W	10	G		0.2	5	TRINIDAD. MD 3.1 (TRN).
18	07	18	00.7%	10.402	N	61.416	W	33	N		0.2	6	TRINIDAD. MD 3.5 (TRN). Felt (II) on Trinidad.
18	07	38	27.3	36.527	N	71.385	E	93	D	4.4	0.8	46	AFGHANISTAN-TAJIKISTAN BORD REG.

18	08	04	09.0	4.045	N	126.382	E	33	N	5.0	1.0	65	TALAUD ISLANDS, INDONESIA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:04:17.0; Lat 4.22 N; Lon 126.71 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.99, Plg=30, Azm=219; (N) Val=0.33, Plg=11, Azm=315; (P) Val=-1.32, Plg=58, Azm=63; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=278, Dip=18, Slip=-128; NP2: Strike=138, Dip=76, Slip=-79.
18	08	09	49.7	4.887	S	150.709	E	307		4.8	1.0	32	NEW BRITAIN REGION, P.N.G.
18	09	24	16.7?	22.37	S	170.49	E	33	N	4.3	1.1	16	LOYALTY ISLANDS REGION
18	09	54	42.7	31.485	S	66.730	W	135		4.5	0.6	20	LA RIOJA PROVINCE, ARGENTINA
18	11	43	44.7&	62.388	N	149.390	W	60				74	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 2.8 (PMR).
18	12	59	40.0*	5.488	S	150.767	E	150	G		1.1	8	NEW BRITAIN REGION, P.N.G.
18	13	04	30.5&	60.246	N	152.665	W	96				79	SOUTHERN ALASKA. <AEIC>.
18	13	08	49.8	36.401	N	25.594	E	33	N	4.0	1.4	30	DODECANESE ISLANDS
18	13	20	16.8?	29.10	N	51.28	E	33	N		1.4	9	SOUTHERN IRAN
18	13	55	07.4?	46.06	N	7.28	E	10	G		1.1	6	SWITZERLAND. ML 2.4 (LDG).
18	14	19	10.1?	7.57	N	72.96	W	150	G	3.9	0.9	7	NORTHERN COLOMBIA
18	15	42	19.6?	35.97	N	141.32	E	10	G		0.9	6	NEAR EAST COAST OF HONSHU, JAPAN
18	16	03	22.8	46.417	N	10.301	E	10	G		1.0	29	NORTHERN ITALY. ML 3.1 (STR), 2.6 (LDG), 2.3 (VIE).
18	16	27	51.5	38.861	N	70.518	E	33	N	4.6	0.9	34	AFGHANISTAN-TAJIKISTAN BORD REG.
18	16	51	26.2&	62.701	N	148.308	W	51				86	CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.2 (PMR).
18	16	56	25.9*	11.844	N	61.086	W	90	*	3.3	1.3	10	WINDWARD ISLANDS. MD 3.3 (TRN).
18	17	13	50.6	24.179	N	122.668	E	56		5.0 4.9	0.9	90	TAIWAN REGION. Felt along the northeast coast of Taiwan.
18	18	19	46.6*	46.215	N	13.011	E	10	G		1.0	15	AUSTRIA. ML 2.7 (VIE).
18	18	20	35.1*	25.219	S	179.415	W	500	G	4.7	0.9	29	SOUTH OF FIJI ISLANDS
18	18	24	21.8	5.215	N	124.602	E	395		4.5	1.1	67	MINDANAO, PHILIPPINE ISLANDS
18	18	57	27.6*	58.607	N	145.283	W	10	G		1.3	20	GULF OF ALASKA. ML 2.6 (AEIC).
18	19	08	56.4*	15.076	S	167.708	E	33	N	4.5	0.9	24	VANUATU ISLANDS
18	19	26	34.5*	17.057	N	147.280	E	33	N	4.5	0.9	11	MARIANA ISLANDS REGION
18	19	45	19.6	12.090	N	93.685	E	27	D	4.7	1.3	39	ANDAMAN ISLANDS, INDIA
18	19	47	40.3	46.476	N	12.939	E	10	G		1.1	24	NORTHERN ITALY. ML 3.4 (LDG), 3.2 (VIE), 2.8 (FUR).
18	20	49	55.7*	17.363	S	68.839	W	196		3.4	0.3	9	CENTRAL BOLIVIA
18	21	24	37.0	38.339	N	133.853	E	450		4.2	1.1	27	SEA OF JAPAN
18	21	26	33.8?	0.95	S	137.33	E	33	N	4.0	0.6	8	IRIAN JAYA REGION, INDONESIA
18	22	04	39.0&	39.100	N	105.100	W	5	G	3.3		10	COLORADO. <MACRO>. ML 2.8 (GS). Felt in the Woodland Park area. Felt in El Paso and Teller Counties.
18	22	11	02.4	59.158	N	144.966	W	10	G		0.9	30	GULF OF ALASKA. ML 2.4 (AEIC).
18	22	31	49.8?	18.04	N	145.31	E	400	G	3.0	1.0	8	MARIANA ISLANDS
18	22	40	36.7*	19.503	N	39.084	E	10	G		1.0	13	RED SEA
18	22	48	42.8*	7.032	S	125.274	E	550		4.9	1.1	27	BANDA SEA
18	22	54	37.4	42.392	N	142.018	E	139		3.9	0.8	24	HOKKAIDO, JAPAN REGION
18	23	07	56.8?	9.25	N	126.37	E	33	N		0.7	8	MINDANAO, PHILIPPINE ISLANDS
18	23	18	39.2?	17.05	S	174.07	W	33	N	4.5	1.0	10	TONGA ISLANDS
18	23	22	39.5*	38.459	N	68.430	E	33	N	3.3	1.5	16	TAJIKISTAN
18	23	40	49.7*	19.535	N	38.894	E	10	G		1.2	8	RED SEA
18	23	52	43.0?	3.25	S	147.35	E	33	N	3.6	0.8	6	BISMARCK SEA
18	23	59	09.7	30.272	N	96.787	E	33	N	4.7	1.1	27	XIZANG
19	00	02	29.5	30.338	N	96.882	E	33	N	3.9	0.8	16	XIZANG
19	00	35	04.6*	35.551	N	78.461	E	33	N		0.8	10	EASTERN KASHMIR
19	01	03	03.9&	60.425	N	152.935	W	153				42	SOUTHERN ALASKA. <AEIC>.
19	01	26	04.9%	43.771	N	11.769	E	10	G		0.8	18	CENTRAL ITALY. ML 3.0 (LDG).
19	02	27	13.6	5.028	S	108.403	E	651	D	5.1	1.2	145	JAVA SEA. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:27:16.1; Lat 5.13 S; Lon 108.42 E; Dep 647.3; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.30, Plg=2, Azm=50; (N) Val=0.78, Plg=19, Azm=140; (P) Val=-2.08, Plg=71, Azm=314; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=121, Dip=46, Slip=-117; NP2: Strike=337, Dip=50, Slip=-65.
19	02	54	51.0*	30.120	S	71.721	W	33	N		1.0	16	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
19	03	50	59.2	59.157	N	144.982	W	10	G	2.9	0.8	35	GULF OF ALASKA. ML 3.0 (AEIC).
19	03	56	56.3&	39.100	N	105.100	W	5	G	2.9		7	COLORADO. <MACRO>. ML 2.6 (GS). Felt in the Woodland Park area. Felt in El Paso and Teller Counties.
19	04	33	22.3	19.981	N	121.419	E	33	N	5.7 5.4	1.0	267	PHILIPPINE ISLANDS REGION. Mw 5.9 (HRV), 5.8 (GS). Me 5.6 (GS). Broadband Source Parameters (GS): Dep 15; NP1: Strike=220, Dip=70, Slip=120; NP2: Strike=341, Dip=36, Slip=36; Radiated energy 5.1*10**12 Nm. Moment Tensor (GS): Dep 8; Principal axes (scale 10**17 Nm): (T) Val=6.11, Plg=55, Azm=147; (N) Val=0.42, Plg=14, Azm=36; (P) Val=-6.53, Plg=31, Azm=298; Best double couple: Mo=6.3*10**17 Nm; NP1: Strike=351, Dip=19, Slip=43; NP2: Strike=219, Dip=77, Slip=104. Centroid, Moment Tensor (HRV): Centroid origin time 04:33:22.8; Lat 19.99 N; Lon 121.10 E; Dep 19.0 Bdy; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=7.11, Plg=64, Azm=147; (N) Val=-0.05, Plg=13, Azm=28; (P) Val=-7.06, Plg=22, Azm=292; Best double couple: Mo=7.1*10**17 Nm; NP1: Strike=358, Dip=26, Slip=58; NP2: Strike=213, Dip=68, Slip=104.
19	04	36	15.0&	39.100	N	105.100	W	5	G			9	COLORADO. <MACRO>. ML 2.7 (GS). Felt in the Woodland Park area. Felt in El Paso and Teller Counties.
19	04	53	37.0?	34.10	S	71.58	W	250	G		0.5	9	NEAR COAST OF CENTRAL CHILE
19	04	55	22.3*	28.800	N	130.046	E	33	N	3.8	1.1	11	RYUKYU ISLANDS
19	05	32	12.1	51.510	N	178.224	W	33	N	5.2 5.1	1.0	265	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.7 (HRV). ML 5.7 (PMR). Felt on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 05:32:15.1; Lat 51.51 N; Lon 177.79 W; Dep 41.0 Bdy; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.83, Plg=65, Azm=307; (N) Val=-0.04, Plg=9, Azm=57; (P) Val=-3.79, Plg=23, Azm=151; Best double couple: Mo=3.8*10**17 Nm; NP1: Strike=259, Dip=23, Slip=114; NP2:

Strike=53, Dip=69, Slip=80.

19	06	21	32.6*	20.799	S	70.533	W	33	N	3.8		1.2	16	NEAR COAST OF NORTHERN CHILE
19	06	57	54.8*	19.307	S	175.309	W	64	D	5.0		1.0	33	TONGA ISLANDS
19	07	08	24.6	36.168	N	7.411	E	10	G	4.3		1.3	47	NORTHERN ALGERIA
19	07	30	01.2%	45.303	N	5.067	E	10	G			0.9	9	FRANCE. ML 1.9 (LDG).
19	08	25	14.3*	20.443	S	178.322	W	600	G	4.5		1.0	27	FIJI ISLANDS REGION
19	09	32	45.7*	30.112	S	72.736	W	33	N	3.8		0.2	11	OFF COAST OF CENTRAL CHILE. MD 4.5 (SAN).
19	09	33	11.0*	31.767	N	130.956	E	10	G	3.4		1.4	10	KYUSHU, JAPAN
19	09	34	01.9*	71.516	N	7.685	W	10	G			0.3	6	JAN MAYEN ISLAND REGION
19	09	40	20.4%	33.265	S	70.937	W	70	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
19	10	30	02.1	5.581	S	129.964	E	30	D	5.0	4.4	1.1	43	BANDA SEA. Mw 5.4 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 10:30:05.2; Lat 5.61 S; Lon 130.18 E; Dep 19.6; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.26, Plg=28, Azm=292; (N) Val=-0.06, Plg=47, Azm=167; (P) Val=-1.20, Plg=29, Azm=40; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=76, Dip=47, Slip=-1; NP2: Strike=166, Dip=90, Slip=-137.
19	10	30	54.2%	44.824	N	6.706	E	10	G			0.6	8	FRANCE. ML 2.3 (LDG).
19	10	36	57.5*	52.206	N	170.774	W	33	N	3.3		1.1	9	FOX ISLANDS, ALEUTIAN ISLANDS
19	10	54	12.3	17.287	S	178.897	W	500	G	4.5		0.9	66	FIJI ISLANDS REGION
19	11	14	28.9*	9.574	S	120.622	E	33	N	4.1		0.7	7	SUMBA REGION, INDONESIA. Felt (III) at Waingapu.
19	11	15	39.8?	6.28	N	73.15	W	150	G	3.8		1.0	7	NORTHERN COLOMBIA
19	12	00	28.1%	38.685	N	7.646	W	10	G			0.5	12	PORTUGAL. mbLg 3.6 (MDD). Felt (IV) at Arraiolos.
19	12	44	49.2*	19.986	N	70.819	W	33	N	3.6		1.2	10	DOMINICAN REPUBLIC REGION
19	12	47	45.2?	36.68	N	2.85	W	10	G			0.4	4	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
19	12	48	18.7%	43.899	N	7.084	E	10	G			0.9	6	NEAR SOUTH COAST OF FRANCE. ML 2.0 (LDG).
19	13	00	15.8*	36.490	N	71.057	E	234	*	3.2		0.7	12	AFGHANISTAN-TAJIKISTAN BORD REG.
19	13	02	45.0?	36.20	N	141.09	E	33	N			0.6	5	NEAR EAST COAST OF HONSHU, JAPAN
19	13	59	14.8%	46.820	N	2.288	W	10	G			1.0	7	BAY OF BISCAY. ML 2.2 (LDG).
19	13	59	24.4*	33.728	N	74.993	E	33	N	3.1		0.7	10	SOUTHWESTERN KASHMIR
19	14	38	24.7*	32.777	N	76.182	E	72	?	3.6		0.9	12	KASHMIR-INDIA BORDER REGION
19	14	53	17.1	21.073	S	178.969	W	600	G	4.7		0.9	50	FIJI ISLANDS REGION
19	14	56	19.8*	37.874	S	178.659	E	100	G	4.6		1.1	30	OFF E. COAST OF N. ISLAND, N.Z.
19	15	44	29.2%	14.168	N	121.022	E	33	N			0.6	6	LUZON, PHILIPPINE ISLANDS
19	16	53	52.3*	20.975	S	174.156	W	33	N	4.8		1.3	31	TONGA ISLANDS
19	17	42	56.8*	37.106	N	135.096	E	383				0.5	9	SEA OF JAPAN
19	18	19	22.5*	11.987	S	165.953	E	45	D	4.3		1.1	24	SANTA CRUZ ISLANDS
19	19	06	13.8*	29.446	N	51.836	E	33	N	3.6		1.3	15	SOUTHERN IRAN
19	19	42	38.4	40.817	N	19.665	E	10	G	4.8		1.3	166	ALBANIA. Felt (IV) in the Bitola-Resen area and (III) at Skopje, former Yugoslav Republic of Macedonia.
19	20	21	55.2*	4.869	N	125.199	E	33	N	4.3		0.9	11	TALAUD ISLANDS, INDONESIA
19	20	36	11.2*	37.619	N	20.528	E	33	N			0.9	13	IONIAN SEA
19	20	43	21.9	13.087	S	77.043	W	47	D	4.6		0.8	24	OFF COAST OF PERU
19	21	01	40.2*	27.985	N	139.644	E	526	*	4.1		0.7	9	BONIN ISLANDS REGION
19	21	08	22.5?	21.72	S	179.38	W	500	G	4.0		0.9	12	FIJI ISLANDS REGION
19	21	09	08.5*	36.152	N	69.386	E	122	D	4.2		1.0	18	HINDU KUSH REGION, AFGHANISTAN
19	21	15	15.8*	71.839	N	0.956	E	10	G	3.0		1.2	13	NORWEGIAN SEA
19	21	29	46.6	23.181	S	66.325	W	215	*	4.3		1.0	24	JUJUY PROVINCE, ARGENTINA
19	21	49	27.0	11.974	S	166.217	E	33	N	4.9	4.9	1.1	58	SANTA CRUZ ISLANDS. Mw 5.4 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 21:49:30.8; Lat 12.02 S; Lon 165.76 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.45, Plg=70, Azm=341; (N) Val=0.02, Plg=20, Azm=169; (P) Val=-1.47, Plg=3, Azm=78; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=149, Dip=46, Slip=62; NP2: Strike=7, Dip=51, Slip=116.
19	23	08	22.5*	12.074	S	166.191	E	33	N	4.4		1.1	21	SANTA CRUZ ISLANDS
19	23	15	57.8%	43.075	N	0.112	E	10	G			0.8	6	FRANCE. ML 2.5 (LDG).
19	23	41	14.5	11.905	S	166.184	E	20	D	4.9	4.8	1.0	42	SANTA CRUZ ISLANDS. Mw 5.2 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 23:41:20.1; Lat 11.96 S; Lon 165.79 E; Dep 22.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.14, Plg=72, Azm=340; (N) Val=-0.35, Plg=18, Azm=165; (P) Val=-6.79, Plg=2, Azm=74; Best double couple: Mo=7.0*10**16 Nm; NP1: Strike=147, Dip=46, Slip=65; NP2: Strike=1, Dip=49, Slip=114.
19	23	46	53.3*	12.161	S	165.909	E	34	D			0.8	18	SANTA CRUZ ISLANDS
20	00	07	45.6*	10.325	N	62.499	W	5	G	3.4		1.3	11	NEAR COAST OF VENEZUELA. MD 3.4 (TRN).
20	00	16	21.6	41.996	N	0.254	E	10	G			1.0	12	SPAIN. ML 3.0 (LDG). mbLg 3.0 (MDD).
20	01	09	23.5?	10.57	N	61.84	W	10	G			0.9	4	TRINIDAD. MD 3.0 (TRN).
20	01	11	07.0	30.108	S	71.924	W	33	N	4.6		1.2	26	NEAR COAST OF CENTRAL CHILE
20	01	55	29.5?	44.76	N	9.27	E	10	G			0.3	5	NORTHERN ITALY. ML 2.3 (LDG).
20	02	11	04.8%	34.409	S	70.464	W	10	G			0.4	10	CHILE-ARGENTINA BORDER REGION
20	03	03	18.5	73.345	N	6.794	E	10	G	4.3	3.5	1.4	48	GREENLAND SEA
20	03	31	07.4	34.528	N	85.664	E	33	N	4.7	4.4	1.3	44	XIZANG
20	04	39	05.3*	32.042	S	69.709	W	150	G	3.6		0.4	11	MENDOZA PROVINCE, ARGENTINA. MD 3.6 (SAN).
20	05	34	21.2*	11.971	S	166.044	E	33	N	4.5		1.3	22	SANTA CRUZ ISLANDS
20	05	38	19.1?	19.27	S	167.59	E	33	N	4.3		1.5	22	VANUATU ISLANDS REGION
20	05	52	57.6*	24.191	N	122.309	E	33	N	4.2		0.8	8	TAIWAN REGION
20	05	55	58.7?	25.33	N	64.61	E	33	N	4.1		0.6	13	SOUTHWESTERN PAKISTAN
20	06	16	24.9	39.605	N	120.136	W	5	G			0.3	13	NORTHERN CALIFORNIA. MD 3.0 (GM).
20	07	12	00.9*	38.254	N	116.971	W	5	G			0.3	5	NEVADA. ML 3.0 (GS).
20	08	14	00.6*	17.363	S	69.451	W	173		4.4		0.8	12	PERU-BOLIVIA BORDER REGION
20	08	14	21.3?	57.30	S	24.47	W	33	N			1.1	8	SOUTH SANDWICH ISLANDS REGION
20	08	20	17.8&	60.243	N	152.240	W	85					61	SOUTHERN ALASKA. <AEIC>.
20	08	33	55.9	10.062	N	126.153	E	56	*	4.9	4.5	1.2	68	PHILIPPINE ISLANDS REGION. Mw 5.4 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 08:33:58.0; Lat 9.89 N; Lon 126.61 E; Dep 35.6; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.15, Plg=63, Azm=337; (N) Val=0.22, Plg=22, Azm=195; (P) Val=-1.37, Plg=15, Azm=99; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=161, Dip=36, Slip=50; NP2:

Strike=26, Dip=63, Slip=115.

20	08	34	18.1?	31.45	S	179.47	E	500	G	4.8	1.2	11	KERMADEC ISLANDS REGION
20	09	09	11.1	34.588	N	139.163	E	33	N	3.3	1.3	19	NEAR S. COAST OF HONSHU, JAPAN
20	09	48	52.7&	62.667	N	148.331	W	38				69	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.0 (PMR).
20	10	30	01.1	34.486	N	139.288	E	33	N	3.6	1.2	26	NEAR S. COAST OF HONSHU, JAPAN
20	10	32	54.2	34.405	N	139.340	E	33	N		0.7	15	NEAR S. COAST OF HONSHU, JAPAN
20	10	46	04.4*	9.997	N	126.219	E	33	N	4.3	0.8	10	MINDANAO, PHILIPPINE ISLANDS
20	12	25	42.7?	25.21	S	177.65	W	200	G		1.1	8	SOUTH OF FIJI ISLANDS
20	12	33	31.2*	11.936	S	165.934	E	33	N	4.4 4.5	1.2	27	SANTA CRUZ ISLANDS
20	13	16	37.0	56.472	N	152.919	W	33	N	4.9 5.0	1.1	168	KODIAK ISLAND REGION. Mw 5.3 (HRV). ML 5.1 (AEIC), 5.0 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 13:16:38.2; Lat 55.82 N; Lon 152.84 W; Dep 47.4; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=0.82, Plg=53, Azm=309; (N) Val=0.22, Plg=7, Azm=48; (P) Val=-1.04, Plg=36, Azm=143; Best double couple: Mo=9.3*10**16 Nm; NP1: Strike=268, Dip=11, Slip=130; NP2: Strike=47, Dip=82, Slip=83.
20	13	30	54.4	35.503	N	77.893	E	33	N	3.9	0.9	20	EASTERN KASHMIR
20	13	31	26.6?	56.60	N	152.65	W	33	N	2.8	1.2	5	KODIAK ISLAND REGION
20	13	49	00.1?	56.91	N	153.10	W	33	N	3.0	1.4	5	KODIAK ISLAND REGION
20	13	49	58.1*	13.011	N	144.040	E	121		3.8	0.9	17	MARIANA ISLANDS
20	14	10	52.3?	34.40	N	139.36	E	33	N		1.0	5	NEAR S. COAST OF HONSHU, JAPAN
20	14	20	40.7*	56.334	N	153.032	W	33	N	2.7	1.2	15	KODIAK ISLAND REGION
20	14	37	22.9	18.796	N	121.860	E	84	D	4.6	0.9	20	LUZON, PHILIPPINE ISLANDS
20	14	43	16.9	56.240	N	152.784	W	33	N	4.2	1.2	108	KODIAK ISLAND REGION. ML 4.4 (AEIC), 4.4 (PMR).
20	14	45	27.2*	35.393	N	77.713	E	33	N	3.4	1.2	11	EASTERN KASHMIR
20	14	57	50.4	5.521	N	126.301	E	123	*	4.5	0.8	32	MINDANAO, PHILIPPINE ISLANDS
20	15	41	12.0?	34.32	N	139.43	E	33	N		0.8	5	NEAR S. COAST OF HONSHU, JAPAN
20	16	27	20.5&	62.887	N	149.752	W	77				49	CENTRAL ALASKA. <AEIC>.
20	16	34	31.8	56.232	N	152.910	W	33	N		1.2	39	KODIAK ISLAND REGION. ML 2.9 (AEIC).
20	16	58	38.2	56.300	N	152.749	W	33	N	4.0	1.1	74	KODIAK ISLAND REGION. ML 3.9 (PMR), 3.7 (AEIC).
20	17	02	46.0	56.198	N	152.741	W	33	N	4.5 4.6	1.1	108	KODIAK ISLAND REGION. ML 4.7 (PMR), 4.6 (AEIC).
20	17	22	08.6*	24.341	S	179.389	E	600	G	4.7	0.9	29	SOUTH OF FIJI ISLANDS
20	17	50	44.1?	12.29	S	165.94	E	33	N		1.8	6	SANTA CRUZ ISLANDS
20	17	53	43.6	38.108	N	73.063	E	60	*	4.6 4.1	1.4	31	TAJIKISTAN-XINJIANG BORDER REG.
20	18	02	46.8?	37.18	S	47.90	E	10	G		0.2	6	SOUTHWEST INDIAN RIDGE
20	18	14	57.7	56.164	N	152.783	W	33	N	3.4	1.1	70	KODIAK ISLAND REGION. ML 3.9 (AEIC), 3.8 (PMR).
20	18	27	42.4*	51.126	N	15.758	E	5	G		0.9	8	POLAND. ML 2.7 (MOX), 2.2 (CLL).
20	18	46	11.1*	8.873	S	122.450	E	139	*	4.4	1.4	15	FLORES REGION, INDONESIA
20	18	57	23.9*	35.372	N	77.542	E	33	N	3.6	1.3	14	EASTERN KASHMIR
20	19	10	38.9	34.138	N	141.364	E	33	N	4.7	1.3	47	OFF EAST COAST OF HONSHU, JAPAN
20	19	32	27.0?	34.58	S	70.78	W	100	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
20	20	05	21.9?	23.47	S	171.40	E	33	N		1.2	6	LOYALTY ISLANDS REGION
20	20	19	07.0?	11.85	S	165.94	E	33	N		1.4	11	SANTA CRUZ ISLANDS
20	20	57	56.3*	18.955	S	169.445	E	33	N	4.7	1.4	22	VANUATU ISLANDS
20	21	03	12.3*	24.101	N	122.274	E	33	N		0.8	9	TAIWAN REGION
20	22	23	23.2*	3.599	N	127.254	E	33	N	4.4	0.6	14	TALAUD ISLANDS, INDONESIA
20	23	04	30.3*	20.698	S	68.726	W	152	*		0.6	11	CHILE-BOLIVIA BORDER REGION
21	01	35	31.8	38.695	N	119.575	W	5	G		1.0	23	CALIFORNIA-NEVADA BORDER REGION. MD 3.0 (GM).
21	01	44	33.6?	55.01	N	162.79	E	33	N		1.8	7	NEAR EAST COAST OF KAMCHATKA
21	01	47	15.8	39.515	N	76.931	E	33	N	4.9	1.1	142	SOUTHERN XINJIANG, CHINA
21	01	48	30.1*	39.474	N	76.998	E	33	N	5.3 5.8	1.3	42	SOUTHERN XINJIANG, CHINA. Mw 5.9 (HRV). At least 12 people killed, 40 injured and 2,500 families homeless; about 14,000 homes destroyed, 17,000 additional homes damaged and 3,360 head of livestock killed in the Jiashi area. Felt at Aksu, Akto, Artux, Kashi and Wuqia. Centroid, Moment Tensor (HRV): Centroid origin time 01:48:28.6; Lat 39.51 N; Lon 77.26 E; Dep 33.0 Fix; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=7.66, Plg=8, Azm=271; (N) Val=0.17, Plg=75, Azm=34; (P) Val=-7.83, Plg=13, Azm=179; Best double couple: Mo=7.7*10**17 Nm; NP1: Strike=315, Dip=75, Slip=-177; NP2: Strike=224, Dip=87, Slip=-15.
21	02	15	55.9	46.027	N	6.029	E	10	G		0.9	40	SWITZERLAND. ML 3.0 (LDG), 3.0 (STR).
21	02	41	55.1*	39.714	N	76.494	E	33	N		1.6	17	SOUTHERN XINJIANG, CHINA
21	02	50	15.6*	31.752	S	67.766	W	53	*		0.9	15	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
21	03	07	12.4	45.961	N	6.028	E	5	G		1.1	24	FRANCE. ML 2.9 (STR), 2.8 (LDG).
21	03	44	33.9?	23.79	S	176.04	W	100	G	3.9	1.2	10	SOUTH OF FIJI ISLANDS
21	04	03	06.6*	2.807	S	129.553	E	33	N	4.2	1.1	11	SERAM, INDONESIA
21	04	03	15.7&	47.825	N	114.290	W	4				8	MONTANA. <BUT-P>. ML 2.6 (BUT). Felt in the Big Arm-Rollins area.
21	04	12	41.7&	47.838	N	114.280	W	5				6	MONTANA. <BUT-P>. ML 2.2 (BUT). Felt in the Big Arm-Rollins area.
21	04	50	01.2*	21.133	S	178.768	W	600	G	4.8	1.0	28	FIJI ISLANDS REGION
21	05	18	38.1%	45.981	N	6.262	E	10	G		1.5	6	FRANCE. ML 2.2 (LDG).
21	05	20	15.9%	54.129	N	35.156	W	10	G		0.9	10	NORTH ATLANTIC OCEAN
21	06	24	04.6*	37.356	N	143.162	E	33	N	4.3	1.0	14	OFF EAST COAST OF HONSHU, JAPAN
21	07	18	07.1?	51.95	N	176.12	W	33	N		1.4	5	ANDREANOF ISLANDS, ALEUTIAN IS.
21	08	33	17.2&	60.425	N	146.887	W	20				66	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.2 (PMR).
21	09	24	47.7&	59.552	N	151.498	W	10				58	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
21	09	50	46.3*	15.152	S	75.808	W	33	N		0.9	14	NEAR COAST OF PERU
21	11	24	47.7*	38.129	N	141.981	E	83	?		0.7	11	NEAR EAST COAST OF HONSHU, JAPAN
21	13	05	53.7	59.385	N	145.063	W	10	G		1.0	33	GULF OF ALASKA. ML 2.5 (AEIC).
21	13	49	01.6?	5.45	S	152.12	E	33	N	4.3	1.5	12	NEW BRITAIN REGION, P.N.G.
21	13	52	43.1*	15.063	N	97.422	W	72	D	4.8	1.2	37	NEAR COAST OF OAXACA, MEXICO
21	14	21	00.4	0.879	N	27.677	W	10	G	4.8	0.9	20	CENTRAL MID-ATLANTIC RIDGE
21	14	43	14.9*	6.196	N	73.307	W	150	G		1.4	10	NORTHERN COLOMBIA
21	17	04	42.9*	24.044	S	66.669	W	200	G		0.7	14	SALTA PROVINCE, ARGENTINA
21	17	25	42.0&	59.037	N	154.440	W	123				69	SOUTHERN ALASKA. <AEIC>.
21	17	31	11.6&	39.471	N	122.988	W	8				26	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK), 3.1 (GS).
21	18	29	28.9*	20.830	S	174.240	W	33	N	4.6	0.6	15	TONGA ISLANDS
21	20	10	34.3%	36.776	N	5.431	W	10	G		0.4	7	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).

21	20	47	46.7	38.047	N	29.030	E	16	D	5.0	4.3	1.1	226	TURKEY. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:47:50.2; Lat 37.98 N; Lon 28.33 E; Dep 18.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.41, Plg=24, Azm=30; (N) Val=0.83, Plg=20, Azm=129; (P) Val=-8.25, Plg=58, Azm=255; Best double couple: Mo=7.8*10**16 Nm; NP1: Strike=85, Dip=28, Slip=-138; NP2: Strike=316, Dip=72, Slip=-69.
21	20	57	58.5?	2.00	S	128.68	E	33	N	4.4		0.6	9	CERAM SEA
21	21	19	58.9	16.413	N	98.035	W	33	N	5.1	5.0	1.0	106	NEAR COAST OF GUERRERO, MEXICO. Mw 5.5 (HRV). Felt throughout Guerrero and Oaxaca. Also felt at Mexico City. Centroid, Moment Tensor (HRV): Centroid origin time 21:20:02.1; Lat 16.49 N; Lon 97.99 W; Dep 39.7; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.17, Plg=60, Azm=82; (N) Val=-0.16, Plg=17, Azm=320; (P) Val=-2.00, Plg=24, Azm=222; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=281, Dip=26, Slip=49; NP2: Strike=146, Dip=71, Slip=108.
21	21	23	45.6*	13.519	N	146.118	E	64	?	4.2		0.9	19	SOUTH OF MARIANA ISLANDS
21	22	32	47.7	46.643	N	10.493	E	5	G			1.1	11	NORTHERN ITALY. ML 2.8 (FUR), 2.2 (VIE).
21	22	44	02.1*	42.014	N	142.421	E	74	*	4.5		1.2	34	HOKKAIDO, JAPAN REGION
22	01	21	49.3&	59.758	N	152.959	W	95					78	SOUTHERN ALASKA. <AEIC>.
22	01	56	32.6*	10.549	N	93.647	E	129	?	4.5		1.0	19	ANDAMAN ISLANDS, INDIA
22	02	03	05.4	43.009	N	17.747	E	10	G			1.1	25	NORTHWESTERN BALKAN REGION. MG 3.3 (ZAG).
22	02	07	03.7*	34.386	N	136.974	E	338	*			1.1	9	WESTERN HONSHU, JAPAN
22	02	14	32.5*	43.085	N	17.857	E	10	G			0.8	9	NORTHWESTERN BALKAN REGION. MG 3.0 (ZAG).
22	02	40	19.8&	35.079	N	118.947	W	11					24	CENTRAL CALIFORNIA. <PAS-P>. MD 3.4 (PAS). ML 3.2 (GS).
22	02	41	09.0?	32.55	S	71.93	W	20	G			0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
22	02	44	00.3?	16.50	S	179.41	W	400	G			0.7	6	FIJI ISLANDS REGION
22	04	24	01.5	22.177	S	175.714	W	33	N	5.0	4.4	0.9	69	TONGA ISLANDS REGION
22	05	21	19.8?	32.96	S	72.02	W	10	G			0.5	10	OFF COAST OF CENTRAL CHILE. MD 3.3 (SAN).
22	06	19	33.0&	63.110	N	150.966	W	123					74	CENTRAL ALASKA. <AEIC>.
22	07	14	56.4	45.008	N	9.106	E	10	G			1.0	30	NORTHERN ITALY. ML 2.9 (LDG), 2.4 (VIE).
22	07	17	16.6&	40.272	N	124.394	W	24		4.7	5.1		70	NEAR COAST OF NORTHERN CALIF. <GM-P>. Mw 5.7 (HRV), 5.6 (BRK). MD 5.6 (GM). Slight damage at Petrolia and Scotia. Felt strongly in parts of southern Humboldt County and felt as far north as Trinidad. Centroid, Moment Tensor (HRV): Centroid origin time 07:17:25.8; Lat 40.33 N; Lon 124.75 W; Dep 17.7; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.95, Plg=25, Azm=57; (N) Val=0.37, Plg=64, Azm=214; (P) Val=-4.32, Plg=9, Azm=323; Best double couple: Mo=4.1*10**17 Nm; NP1: Strike=97, Dip=66, Slip=168; NP2: Strike=192, Dip=79, Slip=24. Scalar Moment (BRK): Mo=2.9*10**17 Nm.
22	07	18	14.1?	34.56	S	70.63	W	10	G			0.4	9	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
22	07	29	10.0?	22.63	S	179.72	W	600	G	4.3		0.8	12	SOUTH OF FIJI ISLANDS
22	07	33	18.9*	28.814	N	67.490	E	33	N			1.0	13	PAKISTAN
22	08	00	43.1&	40.327	N	124.643	W	21					29	NEAR COAST OF NORTHERN CALIF. <GM-P>. Mw 4.6 (BRK). MD 4.3 (GM). ML 4.3 (BRK). Scalar Moment (BRK): Mo=7.5*10**15 Nm.
22	08	11	21.3*	35.306	N	77.894	E	33	N	3.5		1.2	14	EASTERN KASHMIR
22	08	20	49.4&	40.303	N	124.515	W	21					1	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
22	08	45	47.0*	6.124	S	130.155	E	33	N	4.3		1.4	11	BANDA SEA
22	08	57	33.1&	40.286	N	124.405	W	23					4	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
22	09	59	06.2*	39.755	N	76.597	E	33	N	3.3		0.3	7	SOUTHERN XINJIANG, CHINA
22	10	15	47.8*	39.906	N	75.643	E	33	N	3.4		1.2	9	SOUTHERN XINJIANG, CHINA
22	11	12	04.4*	25.582	N	90.322	E	33	N			1.3	9	INDIA-BANGLADESH BORDER REGION
22	11	48	01.8&	41.117	N	126.110	W	14		3.9			62	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 4.3 (GM). ML 4.3 (GS), 4.2 (BRK).
22	12	50	47.0?	19.42	S	178.48	W	500	G	4.1		0.3	8	FIJI ISLANDS REGION
22	13	36	49.9*	36.428	N	141.409	E	33	N			0.9	8	NEAR EAST COAST OF HONSHU, JAPAN
22	13	56	42.1?	12.92	S	167.04	E	150	G			0.8	11	SANTA CRUZ ISLANDS
22	14	37	04.1*	21.235	S	69.775	W	100	G			1.0	15	NORTHERN CHILE
22	14	49	02.1*	17.418	S	179.023	W	500	G	4.3		0.9	16	FIJI ISLANDS REGION
22	16	57	14.3*	38.629	N	26.864	E	33	N	3.2		1.1	15	AEGEAN SEA
22	17	04	32.4*	10.048	N	126.215	E	33	N	4.2		0.9	10	PHILIPPINE ISLANDS REGION
22	17	57	18.7	36.250	N	35.951	E	10	G	5.4	5.4	1.1	270	TURKEY. Mw 5.7 (GS), 5.7 (HRV). ML 5.6 (JER). At least five people injured and ten houses damaged at Antakya. Felt at Adana, Malatya and Mersin. Felt at Beirut and Tripoli, Lebanon. Also felt at Nicosia, Cyprus and in Syria. Moment Tensor (GS): Dep 15; Principal axes (scale 10**17 Nm): (T) Val=4.28, Plg=30, Azm=92; (N) Val=0.15, Plg=40, Azm=333; (P) Val=-4.42, Plg=36, Azm=207; Best double couple: Mo=4.4*10**17 Nm; NP1: Strike=236, Dip=40, Slip=-6; NP2: Strike=331, Dip=86, Slip=-130. Centroid, Moment Tensor (HRV): Centroid origin time 17:57:24.4; Lat 36.01 N; Lon 35.77 E; Dep 15.0 Bdy; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=5.35, Plg=26, Azm=104; (N) Val=-2.05, Plg=38, Azm=352; (P) Val=-3.30, Plg=42, Azm=219; Best double couple: Mo=4.3*10**17 Nm; NP1: Strike=243, Dip=39, Slip=-15; NP2: Strike=345, Dip=81, Slip=-128.
22	18	14	55.2	8.820	S	124.287	E	33	N	5.1		1.1	36	TIMOR REGION, INDONESIA
22	18	21	26.1&	40.334	N	124.660	W	19					4	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK).
22	18	22	06.3*	36.061	N	35.669	E	10	G	4.3		1.0	14	TURKEY
22	18	24	50.2	36.239	N	35.922	E	10	G	5.1		1.2	201	TURKEY. ML 5.2 (JER).
22	18	27	29.6	36.275	N	35.997	E	10	G	5.3		1.1	204	TURKEY. ML 5.3 (JER).
22	19	13	22.4?	8.99	S	124.65	E	100	G	3.8		0.7	5	TIMOR REGION, INDONESIA
22	19	42	41.3*	51.302	N	15.948	E	5	G			0.6	6	POLAND. ML 2.3 (CLL).
22	20	12	58.3	51.605	N	16.318	E	5	G			0.7	20	POLAND. ML 3.7 (GRF), 3.6 (VIE).
22	22	07	28.3?	50.43	N	176.74	W	33	N			1.0	8	ANDREANOF ISLANDS, ALEUTIAN IS.

22	22	16	08.1*	15.217	S	75.865	W	33	N	3.9	0.6	14	NEAR COAST OF PERU
23	00	34	04.4&	59.327	N	149.754	W	14				73	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
23	00	51	14.1	3.023	S	136.475	E	54	*	4.9	0.8	42	IRIAN JAYA, INDONESIA
23	02	15	22.9	21.999	S	65.719	W	276	D	6.4	0.9	322	SOUTHERN BOLIVIA. Mw 7.1 (HRV), 7.0 (GS). Me 6.6 (GS). Felt (V) at Antofagasta, Calama and Tocopilla; (III) at Arica, Chile. Felt in northern Jujuy Province, Argentina. Broadband Source Parameters (GS): Dep 276; NP1: Strike=170, Dip=89, Slip=100; NP2: Strike=266, Dip=10, Slip=6; Radiated energy 1.8*10**14 Nm. Two events about 3.0 seconds apart. Depth based on first event. Moment Tensor (GS): Dep 280; Principal axes (scale 10**19 Nm): (T) Val=3.58, Plg=45, Azm=80; (N) Val=-0.02, Plg=5, Azm=175; (P) Val=-3.56, Plg=44, Azm=270; Best double couple: Mo=3.6*10**19 Nm; NP1: Strike=78, Dip=5, Slip=173; NP2: Strike=175, Dip=89, Slip=85. Centroid, Moment Tensor (HRV): Centroid origin time 02:15:31.9; Lat 22.04 S; Lon 65.92 W; Dep 281.6; Half-duration 9.0 sec; Principal axes (scale 10**19 Nm): (T) Val=5.84, Plg=45, Azm=77; (N) Val=-0.09, Plg=4, Azm=171; (P) Val=-5.75, Plg=45, Azm=264; Best double couple: Mo=5.8*10**19 Nm; NP1: Strike=85, Dip=4, Slip=-175; NP2: Strike=351, Dip=90, Slip=-86. Scalar Moment (PPT): Mo=1.6*10**20 Nm.
23	02	34	46.0?	17.44	N	76.06	E	33	N		1.1	9	SOUTHERN INDIA
23	03	24	57.0&	43.997	N	7.754	E	10	G		0.9	8	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG).
23	03	28	00.4?	11.28	S	166.53	E	33	N		1.1	8	SANTA CRUZ ISLANDS
23	04	57	18.4?	5.55	S	147.34	E	200	*	4.1	0.9	9	EASTERN NEW GUINEA REG., P.N.G.
23	05	44	28.4	38.862	N	141.151	E	33	N		0.9	15	NEAR EAST COAST OF HONSHU, JAPAN
23	05	56	59.2	42.781	N	17.433	E	10	G		1.1	11	ADRIATIC SEA
23	06	11	58.6?	13.40	S	168.35	E	100	G	4.0	0.5	7	VANUATU ISLANDS
23	07	05	21.2?	43.01	N	87.96	E	25	D	3.3	1.3	8	NORTHERN XINJIANG, CHINA
23	07	09	22.2	36.326	N	36.231	E	10	G	4.3	0.9	44	JORDAN - SYRIA REGION. ML 4.4 (JER).
23	07	37	44.2?	2.38	N	128.73	E	221	?	4.6	1.2	15	HALMAHERA, INDONESIA
23	07	50	10.6*	53.114	N	162.911	W	33	N	4.9	1.4	44	SOUTH OF ALASKA. ML 4.6 (PMR).
23	07	54	28.8&	63.241	N	147.406	W	10				65	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.2 (PMR).
23	08	11	08.0?	32.56	S	71.44	W	33	N		0.7	6	NEAR COAST OF CENTRAL CHILE
23	08	38	16.5*	15.866	S	171.831	E	33	N	4.5	1.0	12	VANUATU ISLANDS REGION
23	08	42	41.8?	18.17	S	169.28	E	33	N	4.1	0.6	8	VANUATU ISLANDS
23	09	49	13.4*	24.355	S	179.802	E	600	G	4.4	0.8	18	SOUTH OF FIJI ISLANDS
23	09	49	42.2	27.940	N	131.303	E	33	N	5.2	0.8	46	SOUTHEAST OF RYUKYU ISLANDS
23	10	20	38.4?	22.52	S	169.54	E	33	N	4.3	1.3	10	LOYALTY ISLANDS REGION
23	10	24	54.5?	12.89	N	89.82	W	71	?		0.4	11	OFF COAST OF CENTRAL AMERICA. MD 3.5 (SSS). Felt (III) at San Salvador, El Salvador.
23	10	56	28.7	39.601	N	77.161	E	33	N	4.4	1.1	23	SOUTHERN XINJIANG, CHINA
23	11	12	10.4*	1.653	N	99.371	E	33	N	4.4	0.8	12	NORTHERN SUMATERA, INDONESIA
23	11	48	52.4	31.696	S	71.217	W	81	*	3.6	0.6	18	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
23	12	53	45.9&	37.112	N	3.857	W	10	G		0.7	8	SPAIN. mbLg 3.0 (MDD).
23	13	06	58.8?	29.53	S	178.36	W	33	N	4.2	0.5	6	KERMADEC ISLANDS, NEW ZEALAND
23	13	34	05.0?	31.07	S	69.75	W	180	G		0.3	9	SAN JUAN PROVINCE, ARGENTINA
23	14	23	21.6&	40.284	N	124.702	W	20				3	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
23	14	31	19.4?	53.56	S	139.04	E	10	G	4.2	1.0	9	WEST OF MACQUARIE ISLAND
23	14	53	14.6	36.168	N	35.735	E	10	G	4.4	0.6	17	TURKEY. ML 4.1 (JER).
23	14	58	10.0*	24.993	S	179.295	W	500	G	4.6	1.0	21	SOUTH OF FIJI ISLANDS
23	15	23	30.1	20.363	S	175.852	W	200	G	4.8	0.9	79	TONGA ISLANDS
23	16	11	35.1*	20.415	S	178.222	W	500	G	4.2	0.9	14	FIJI ISLANDS REGION
23	16	17	49.5	16.051	S	175.193	W	336	D	4.7	0.9	110	TONGA ISLANDS
23	16	24	34.5*	18.502	S	169.348	E	200	G	4.7	1.3	21	VANUATU ISLANDS
23	16	35	27.9?	34.83	S	71.01	W	100	G		0.3	10	NEAR COAST OF CENTRAL CHILE
23	17	01	55.8	16.002	S	70.038	W	200	G	4.2	0.8	19	SOUTHERN PERU
23	18	31	02.1*	2.917	S	130.167	E	33	N	4.1	0.9	13	SERAM, INDONESIA
23	19	06	59.9	3.203	S	138.667	E	33	N	5.1	0.7	29	IRIAN JAYA, INDONESIA
23	19	59	01.9&	47.692	N	113.742	W	7				7	MONTANA. <BUT-P>. ML 3.1 (BUT).
23	20	49	54.1	61.346	N	152.022	W	10	G		0.9	7	SOUTHERN ALASKA. ML 2.2 (AEIC).
23	20	50	02.3?	43.84	N	12.86	E	10	G		0.8	13	CENTRAL ITALY
23	21	46	06.9*	7.204	S	131.096	E	33	N	4.2	0.9	8	TANIMBAR ISLANDS REG., INDONESIA
23	21	53	15.2?	3.03	S	136.71	E	33	N	3.9	1.3	7	IRIAN JAYA, INDONESIA
23	22	37	19.8&	34.612	S	70.770	W	100	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
23	22	48	40.7&	58.065	N	151.769	W	0				109	KODIAK ISLAND REGION. <AEIC>. ML 4.3 (AEIC), 4.4 (PMR). Felt (III) at Kodiak.
23	23	05	33.0?	2.97	S	136.97	E	33	N	3.8	0.3	5	IRIAN JAYA REGION, INDONESIA
23	23	10	00.3*	4.478	S	102.626	E	33	N		0.8	11	SOUTHERN SUMATERA, INDONESIA
24	00	54	52.4?	7.75	N	76.14	W	33	N	3.7	0.7	5	NORTHERN COLOMBIA
24	00	59	05.2	36.609	N	71.326	E	214	*	3.9	0.7	35	AFGHANISTAN-TAJIKISTAN BORD REG.
24	01	16	06.4*	4.079	S	128.029	E	33	N	4.2	1.3	10	BANDA SEA
24	01	26	15.0	38.213	N	6.432	W	10	G		0.6	21	SPAIN. mbLg 3.4 (MDD). Felt (III) in the Fuente de Cantos area.
24	01	36	12.7	39.550	N	76.828	E	33	N	4.4	1.0	24	SOUTHERN XINJIANG, CHINA
24	02	15	55.2?	5.55	N	125.71	E	100	G	4.1	1.0	11	MINDANAO, PHILIPPINE ISLANDS
24	02	38	10.9?	42.57	N	85.80	E	33	N	3.4	0.4	7	NORTHERN XINJIANG, CHINA
24	04	36	40.6?	43.73	N	142.09	E	150	G	3.5	0.7	6	HOKKAIDO, JAPAN REGION
24	04	39	08.7*	24.161	N	142.725	E	33	N	4.2	1.2	22	VOLCANO ISLANDS REGION
24	05	17	29.7	5.614	S	153.836	E	71	D	5.4	1.0	127	NEW IRELAND REGION, P.N.G. Mw 5.6 (HRV), 5.5 (GS). Moment Tensor (GS): Dep 20; Principal axes (scale 10**17 Nm): (T) Val=1.63, Plg=82, Azm=344; (N) Val=0.11, Plg=3, Azm=98; (P) Val=-1.73, Plg=7, Azm=189; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=282, Dip=38, Slip=95; NP2: Strike=96, Dip=52, Slip=86. Centroid, Moment Tensor (HRV): Centroid origin time 05:17:30.2; Lat 5.86 S; Lon 153.84 E; Dep 39.2; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.66, Plg=74, Azm=1; (N) Val=-0.14, Plg=10, Azm=128; (P) Val=-2.52, Plg=13, Azm=221; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=324, Dip=33, Slip=108; NP2:

Strike=122, Dip=59, Slip=78.

24	06	15	09.4*	15.904	N	91.301	W	50	G	4.6	4.5	1.3	29	MEXICO-GUATEMALA BORDER REGION
24	07	25	16.3&	59.855	N	153.294	W	129					48	SOUTHERN ALASKA. <AEIC>.
24	07	38	37.1	46.131	N	7.575	E	5	G			0.9	23	SWITZERLAND. ML 2.9 (STR), 2.6 (LDG).
24	07	55	21.9	13.108	N	88.159	W	66	D			0.9	28	EL SALVADOR. MD 3.6 (SSS). Felt (II) at San Salvador.
24	08	44	04.1?	44.31	N	147.74	E	100	G			0.6	8	KURIL ISLANDS
24	08	54	59.2?	36.90	S	177.08	E	300	G	4.2		1.5	16	OFF E. COAST OF N. ISLAND, N.Z.
24	09	04	33.5&	59.317	N	153.537	W	111		3.2			105	SOUTHERN ALASKA. <AEIC>.
24	09	15	15.9*	15.191	S	173.740	W	47	D	4.8		0.9	39	TONGA ISLANDS
24	11	40	15.2*	20.998	S	179.157	W	650	G	4.5		0.9	20	FIJI ISLANDS REGION
24	12	42	12.7&	59.433	N	138.211	W	0					14	SOUTHEASTERN ALASKA. <AEIC>. ML 2.7 (AEIC).
24	12	43	03.6*	39.089	N	76.996	E	110	D	3.4		1.1	17	SOUTHERN XINJIANG, CHINA
24	12	51	05.4*	6.388	N	72.316	W	50	G	4.0		0.6	9	NORTHERN COLOMBIA
24	15	29	26.2	54.606	N	168.665	E	33	N	4.9	4.5	0.8	105	KOMANDORSKY ISLANDS REGION. Mw 5.2 (HRV). ML 5.0 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 15:29:26.6; Lat 54.71 N; Lon 168.73 E; Dep 43.2; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=6.48, Plg=8, Azm=83; (N) Val=-0.11, Plg=82, Azm=243; (P) Val=-6.37, Plg=3, Azm=353; Best double couple: Mo=6.4*10**16 Nm; NP1: Strike=128, Dip=83, Slip=177; NP2: Strike=218, Dip=87, Slip=7.
24	15	41	58.2?	21.00	S	178.32	W	500	G			0.2	6	FIJI ISLANDS REGION
24	15	44	53.0%	37.028	N	4.138	W	12				0.4	9	SPAIN. mbLg 2.8 (MDD).
24	16	10	03.5&	36.102	N	118.229	W	1					1	CENTRAL CALIFORNIA. <PAS-P>. MD 2.8 (PAS).
24	16	46	47.6*	41.361	N	23.454	E	10	G			0.7	6	GREECE-BULGARIA BORDER REGION
24	17	12	57.5	28.226	N	57.529	E	40	D	4.5		1.0	55	SOUTHERN IRAN
24	17	24	34.1	31.301	N	138.196	E	408		3.9		0.8	29	SOUTH OF HONSHU, JAPAN
24	17	42	00.0&	36.099	N	118.228	W	0					21	CENTRAL CALIFORNIA. <PAS-P>. MD 3.2 (PAS), 3.0 (GM). ML 2.8 (GS). Felt.
24	18	22	23.1*	59.939	S	26.651	W	100	G	3.7		1.0	12	SOUTH SANDWICH ISLANDS REGION
24	18	27	51.8&	34.224	N	117.431	W	13					19	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.1 (PAS). ML 3.2 (GS). Felt.
24	18	35	45.3?	32.61	S	69.12	W	150	G			0.3	9	MENDOZA PROVINCE, ARGENTINA. MD 2.9 (SAN).
24	20	27	20.6%	34.506	S	70.380	W	5	G			0.5	11	CHILE-ARGENTINA BORDER REGION
24	21	07	03.8*	36.467	N	69.353	E	50	G			1.3	11	HINDU KUSH REGION, AFGHANISTAN
24	21	28	00.1&	61.522	N	152.039	W	3					57	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 3.1 (PMR).
24	21	52	54.1&	59.818	N	151.676	W	42					48	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
24	22	10	00.0*	51.979	N	172.861	W	33	N			0.6	7	ANDREANOF ISLANDS, ALEUTIAN IS.
24	22	22	38.4&	60.798	N	148.039	W	27					61	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC), 2.9 (PMR).
24	23	04	45.9?	33.15	S	72.50	W	33	N			0.8	9	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
24	23	40	04.4?	33.04	N	67.85	E	33	N			1.3	6	AFGHANISTAN
24	23	58	45.3*	39.576	N	76.803	E	33	N	3.6		1.4	16	SOUTHERN XINJIANG, CHINA
24	23	59	48.9?	50.46	S	162.72	E	10	G	4.1		1.3	10	AUCKLAND ISLANDS REGION
25	00	03	29.6?	26.16	S	177.03	W	100	G			1.3	6	SOUTH OF FIJI ISLANDS
25	01	23	04.1*	0.886	N	125.065	E	50	G	4.5		1.0	18	NORTHERN MOLUCCA SEA
25	02	38	55.5	22.069	N	101.133	E	33	N	4.5		1.1	43	MYANMAR-CHINA BORDER REGION. Some houses damaged in Mengla County, China. Felt at Menghai and Yunjinghong, China.
25	03	09	17.5	38.712	N	75.596	E	33	N	4.9		1.1	94	SOUTHERN XINJIANG, CHINA
25	03	22	33.0?	44.62	N	39.45	E	33	N			0.7	7	NORTHWESTERN CAUCASUS
25	03	39	03.8?	81.90	N	1.58	W	10	G	3.0		1.3	6	NORTH OF SVALBARD
25	04	19	46.4?	3.79	S	140.70	E	100	G	3.8		1.2	5	IRIAN JAYA, INDONESIA
25	04	45	16.0	41.605	N	19.053	E	10	G			0.6	12	ALBANIA
25	05	10	02.7	3.895	S	127.676	E	25	D	5.3	4.5	1.0	83	SERAM, INDONESIA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:10:04.7; Lat 4.00 S; Lon 127.40 E; Dep 17.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.77, Plg=82, Azm=341; (N) Val=0.17, Plg=5, Azm=112; (P) Val=-4.94, Plg=6, Azm=203; Best double couple: Mo=4.9*10**16 Nm; NP1: Strike=299, Dip=39, Slip=98; NP2: Strike=108, Dip=51, Slip=83.
25	05	17	02.7*	55.449	N	158.086	W	33	N	2.8		1.3	11	ALASKA PENINSULA
25	05	18	02.7?	3.75	S	127.88	E	33	N	4.0		0.8	6	SERAM, INDONESIA
25	05	30	21.9	3.846	S	127.836	E	33	N	4.8		1.2	39	SERAM, INDONESIA
25	06	02	03.6*	3.788	S	127.793	E	23	D	4.5		1.4	20	SERAM, INDONESIA
25	06	03	18.0	3.806	S	127.702	E	22	D	5.0		1.1	48	SERAM, INDONESIA
25	06	13	20.0%	44.808	N	6.625	E	5	G			0.5	7	FRANCE. ML 1.8 (LDG).
25	06	20	01.7	3.802	S	127.739	E	21	D	5.0		1.0	34	SERAM, INDONESIA
25	06	55	37.3&	38.802	N	122.798	W	2					12	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.4 (BRK), 3.3 (GS).
25	07	16	27.5%	37.534	N	3.777	W	5	G			0.7	8	SPAIN. mbLg 2.4 (MDD).
25	07	43	15.5*	34.918	N	76.531	E	100	G	3.7		1.2	10	EASTERN KASHMIR
25	09	05	04.4*	9.134	S	119.617	E	114	*	3.9		1.3	15	SUMBA REGION, INDONESIA
25	09	45	36.8?	4.43	N	125.57	E	150	G	4.3		1.1	12	TALAUD ISLANDS, INDONESIA
25	10	14	25.1*	4.729	S	145.621	E	48	*	4.2		1.5	13	NEAR N COAST OF NEW GUINEA, PNG.
25	10	21	33.6&	38.549	N	119.539	W	2					3	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
25	10	22	19.4	25.495	N	128.819	E	46	D	4.3		0.8	18	RYUKYU ISLANDS
25	10	41	42.4&	59.890	N	153.270	W	131		2.6			57	SOUTHERN ALASKA. <AEIC>.
25	10	50	04.2*	78.461	N	112.732	W	10	G			1.1	7	QUEEN ELIZABETH ISLANDS, CANADA
25	11	04	48.0	16.095	S	167.946	E	181	D	4.9		1.1	88	VANUATU ISLANDS
25	11	13	46.1*	1.132	S	126.878	E	33	N	4.4		1.5	13	SOUTHERN MOLUCCA SEA
25	11	23	51.8*	23.550	S	66.710	W	200	G	4.0		0.6	10	JUJUY PROVINCE, ARGENTINA
25	11	33	08.6?	17.68	S	167.36	E	33	N	4.0		1.5	10	VANUATU ISLANDS. Felt at Port-Vila.
25	11	49	51.7	52.391	N	178.604	W	173		4.6		0.9	47	ANDREANOF ISLANDS, ALEUTIAN IS.
25	11	57	32.0%	45.906	N	0.687	E	10	G			0.4	5	FRANCE. ML 2.0 (LDG).
25	12	23	19.5	51.642	N	16.148	E	5	G	3.4		0.9	27	POLAND. ML 3.8 (GRF), 3.5 (VIE).
25	12	33	44.7*	4.942	S	153.687	E	100	G	4.2		0.9	11	NEW IRELAND REGION, P.N.G.
25	13	05	34.5	51.616	N	16.322	E	5	G	3.2		1.3	17	POLAND. ML 3.8 (VIE), 3.6 (GRF).
25	13	26	13.7*	11.551	N	125.593	E	33	N	4.2		0.7	12	SAMAR, PHILIPPINE ISLANDS
25	14	52	31.7	17.738	N	61.613	W	46		4.8		0.9	90	LEEWARD ISLANDS. MD 5.2 (TRN). Felt on Antigua and St. Kitts.
25	15	18	21.7*	78.596	N	19.217	W	10	G	3.0		1.2	9	EASTERN GREENLAND
25	16	15	26.4?	5.83	S	154.07	E	150	G			0.7	6	SOLOMON ISLANDS
25	17	39	39.0*	56.094	S	146.636	E	10	G	4.4		0.7	13	WEST OF MACQUARIE ISLAND
25	18	59	44.7&	57.649	N	153.963	W	44		2.9			52	KODIAK ISLAND REGION. <AEIC>. ML 3.5 (AEIC).

25	20	02	51.1	52.216	N	159.514	E	33	N	4.4	1.0	50	OFF EAST COAST OF KAMCHATKA
25	20	08	28.7	30.074	N	88.087	E	33	N	4.4	0.9	36	XIZANG
25	20	14	12.5?	32.38	S	71.67	W	15	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
25	23	33	04.2%	44.483	N	7.155	E	5	G		0.3	8	NORTHERN ITALY. ML 2.0 (LDG).
25	23	48	29.4*	44.549	N	148.844	E	33	N	4.0	1.1	19	KURIL ISLANDS
26	01	24	10.8*	35.292	N	77.841	E	33	N	3.9	1.2	18	EASTERN KASHMIR
26	01	27	07.4?	46.79	N	1.36	E	5	G		0.9	6	FRANCE. ML 2.0 (LDG).
26	01	32	29.0*	20.591	S	74.641	E	10	G	4.4	0.8	9	SOUTH INDIAN OCEAN
26	02	04	00.0?	38.90	N	75.68	E	33	N	3.3	1.2	5	SOUTHERN XINJIANG, CHINA
26	02	05	27.9?	35.01	S	71.79	W	70	G		0.4	10	CENTRAL CHILE. MD 3.3 (SAN).
26	02	17	20.0&	40.442	N	126.975	W	8				4	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
26	02	19	13.5?	56.32	S	27.69	W	100	G	4.4	0.8	9	SOUTH SANDWICH ISLANDS REGION
26	02	26	28.8?	11.19	N	60.19	W	90	G		0.1	5	WINDWARD ISLANDS. MD 2.8 (TRN).
26	04	19	04.2*	59.128	S	26.475	W	87	D	4.2	0.8	11	SOUTH SANDWICH ISLANDS REGION
26	04	48	12.5?	10.32	N	61.37	W	40	G		0.1	4	TRINIDAD. MD 2.3 (TRN).
26	06	23	19.3&	40.280	N	124.402	W	22				74	NEAR COAST OF NORTHERN CALIF. <GM-P>. Mw 5.2 (BRK). MD 4.1 (GM). ML 3.9 (GS). Scalar Moment (BRK): Mo=6.4*10**16 Nm.
26	06	35	10.9*	4.855	N	126.523	E	100	G	4.4	1.3	20	TALAUD ISLANDS, INDONESIA
26	06	43	45.3?	19.70	S	177.80	W	500	G	4.0	0.8	11	FIJI ISLANDS REGION
26	06	58	23.1*	12.063	N	41.794	E	10	G	4.7 4.3	1.3	66	ETHIOPIA
26	07	44	46.0%	47.066	N	0.307	E	5	G		1.3	10	FRANCE. ML 2.3 (LDG).
26	07	53	44.6	23.114	N	102.645	W	10	G		0.3	8	CENTRAL MEXICO
26	08	21	41.5?	29.50	N	34.67	E	10	G		0.4	8	EGYPT. ML 4.0 (JER).
26	08	32	31.2*	43.741	N	147.201	E	59	D	4.0	0.3	11	KURIL ISLANDS
26	08	48	23.3%	45.043	N	6.166	E	5	G		1.3	8	FRANCE. ML 1.8 (LDG).
26	08	50	00.8*	17.811	S	178.949	W	550	G	4.7	1.1	31	FIJI ISLANDS REGION
26	08	57	43.1*	7.283	S	110.933	E	150	G	4.7	1.0	16	JAWA, INDONESIA
26	09	48	03.7&	38.664	N	119.511	W	0				3	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
26	09	55	19.6&	61.410	N	151.705	W	77				7	SOUTHERN ALASKA. <AEIC>.
26	09	59	33.2&	45.293	N	112.543	W	7				10	MONTANA. <BUT-P>. ML 3.6 (BUT). Felt in the Dillon area. A magnitude 2.2 foreshock occurred 18.5 seconds earlier.
26	10	49	04.2&	40.934	N	123.444	W	28				6	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.2 (BRK).
26	11	19	59.5	8.385	S	156.391	E	24	D	4.9 4.7	1.0	33	SOLOMON ISLANDS
26	11	22	34.6*	29.809	S	71.402	W	33	N		1.0	18	NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN). Felt (IV) at Combarbala, Coquimbo, La Serena, Ovalle, Punitaqui and Vicuna; (III) at Illapel.
26	11	26	15.0*	36.526	N	71.053	E	250	G	3.4	0.5	9	AFGHANISTAN-TAJIKISTAN BORD REG.
26	11	31	59.3%	44.005	N	7.773	E	5	G		0.8	10	NORTHERN ITALY. ML 2.4 (LDG).
26	11	50	51.3?	31.49	S	69.60	W	170	G		0.5	9	SAN JUAN PROVINCE, ARGENTINA
26	12	48	21.1&	34.340	N	116.470	W	5				18	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.7 (PAS).
26	12	50	26.3?	0.79	N	120.10	E	33	N	4.5	0.7	13	MINAHASSA PENINSULA, SULAWESI
26	13	35	00.2*	36.343	N	71.122	E	100	G	4.2	1.1	16	AFGHANISTAN-TAJIKISTAN BORD REG.
26	14	19	11.1	6.085	N	127.072	E	100	G	4.9	1.1	42	PHILIPPINE ISLANDS REGION
26	14	41	16.6	17.181	S	167.768	E	38	D	5.0 4.9	1.0	71	VANUATU ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:41:20.5; Lat 17.28 S; Lon 167.67 E; Dep 19.2; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.44, Plg=66, Azm=49; (N) Val=-0.06, Plg=11, Azm=163; (P) Val=-1.38, Plg=22, Azm=257; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=7, Dip=25, Slip=116; NP2: Strike=159, Dip=67, Slip=78.
26	15	26	38.9	35.654	N	140.123	E	70		4.7	1.0	41	NEAR EAST COAST OF HONSHU, JAPAN
26	15	28	47.4?	34.58	N	32.28	E	33	N	3.9	1.4	17	CYPRUS REGION
26	15	32	51.9*	4.847	S	154.022	E	118	D	4.5	1.2	11	SOLOMON ISLANDS
26	15	40	25.8*	51.678	N	16.246	E	5	G		1.6	7	POLAND
26	17	27	54.7&	63.356	N	145.217	W	8				26	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
26	18	06	12.6%	43.774	N	6.452	E	5	G		0.3	6	NEAR SOUTH COAST OF FRANCE. ML 1.6 (LDG).
26	18	25	18.5*	3.823	S	127.841	E	33	N	3.8	0.7	10	SERAM, INDONESIA
26	18	36	34.2*	7.480	S	106.542	E	50	G	4.5	1.2	26	JAWA, INDONESIA
26	18	48	54.7?	17.98	N	65.91	W	20	G		0.7	6	PUERTO RICO REGION
26	19	17	58.8*	24.035	N	121.878	E	33	N	4.5	1.0	14	TAIWAN
26	19	46	54.2%	10.494	N	61.580	W	33	N		0.3	5	TRINIDAD. MD 3.1 (TRN).
26	20	24	07.6*	17.697	S	178.571	W	550	G	4.7	1.1	30	FIJI ISLANDS REGION
26	21	19	34.5?	32.42	S	70.33	W	100	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
26	21	33	31.0&	40.283	N	124.407	W	22				6	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK).
26	21	48	24.9&	61.536	N	151.375	W	66				79	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
26	22	54	27.9*	9.481	N	126.666	E	52	D	4.5	0.5	12	MINDANAO, PHILIPPINE ISLANDS
26	23	15	27.2%	48.799	N	1.973	W	10	G		0.5	6	FRANCE. ML 2.0 (LDG).
26	23	16	52.6%	48.786	N	1.927	W	10	G		0.1	5	FRANCE. ML 1.5 (LDG).
27	00	19	41.1*	24.888	S	68.740	W	118	D	4.5	1.1	25	CHILE-ARGENTINA BORDER REGION
27	00	32	03.5*	50.236	N	12.445	E	10	G		0.2	5	GERMANY. ML 1.6 (GRF).
27	00	40	56.3%	45.431	N	6.139	E	10	G		0.9	7	FRANCE. ML 2.1 (LDG).
27	00	46	16.8	45.224	N	16.194	E	10	G	4.2	1.3	120	NORTHWESTERN BALKAN REGION. ML 4.3 (VIE), 4.0 (FUR), 3.8 (ROM). Felt at Glina and Sisak, Croatia and at Bihac, Bosnia and Herzegovina.
27	00	49	54.0?	26.89	S	176.93	W	33	N		1.2	10	SOUTH OF FIJI ISLANDS
27	01	12	38.2?	17.91	S	167.38	E	200	G	4.3	1.0	15	VANUATU ISLANDS
27	01	34	59.4*	38.013	N	73.396	E	200	G	3.7	1.1	13	TAJIKISTAN-XINJIANG BORDER REG.
27	02	06	44.6%	36.731	N	134.749	E	366	*		0.8	10	SEA OF JAPAN
27	02	39	24.3*	6.805	N	73.101	W	150	G	3.6	0.5	9	NORTHERN COLOMBIA
27	03	27	09.5*	10.592	N	125.168	E	223	?	4.7	1.4	21	LEYTE, PHILIPPINE ISLANDS
27	03	46	15.7&	61.520	N	152.052	W	3				45	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
27	03	46	59.6&	59.657	N	146.242	W	0				40	GULF OF ALASKA. <AEIC>. ML 3.4 (AEIC).
27	05	22	37.8&	60.283	N	146.099	W	3				56	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
27	05	28	00.2%	37.143	N	72.033	E	250	G		0.5	11	TAJIKISTAN
27	05	38	31.4*	1.245	S	100.622	E	33	N		1.2	12	SOUTHERN SUMATERA, INDONESIA
27	06	31	36.6*	5.523	S	147.085	E	200	G	4.7	0.9	12	EASTERN NEW GUINEA REG., P.N.G.
27	06	41	39.4%	33.621	N	131.812	E	75	D		0.8	8	KYUSHU, JAPAN
27	06	44	50.4	44.971	N	6.631	E	5	G		0.7	22	FRANCE. ML 2.4 (GEN), 2.3 (LDG).
27	07	22	16.1?	32.78	S	70.30	W	100	G		0.5	6	CHILE-ARGENTINA BORDER REGION
27	07	28	47.7*	12.064	S	74.388	W	33	N		0.5	6	CENTRAL PERU

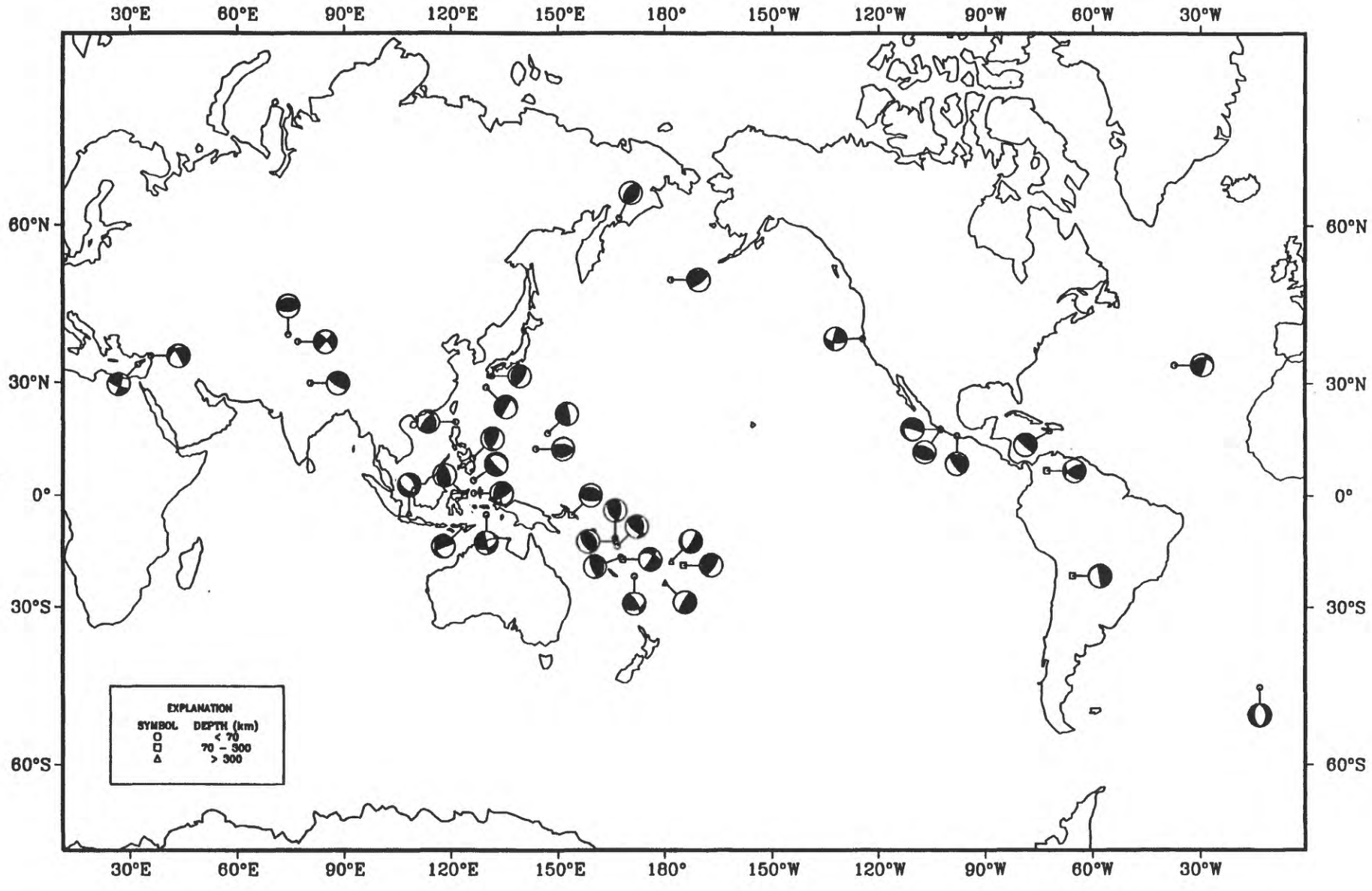
27	09	13	12.3&	39.472	N	122.992	W	9				6	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.1 (BRK).
27	09	56	24.3%	32.747	N	139.585	E	200	G		0.5	6	SOUTH OF HONSHU, JAPAN
27	10	32	13.3*	55.981	S	26.605	W	33	N	4.9	1.0	18	SOUTH SANDWICH ISLANDS REGION
27	11	58	54.3*	58.718	N	141.362	W	10	G		0.6	15	OFF COAST OF SOUTHEASTERN ALASKA. ML 3.2 (AEIC).
27	12	12	01.9	51.991	N	169.108	W	33	N	4.7 4.7	1.0	66	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
27	12	59	03.5*	9.565	N	126.317	E	33	N	4.7	0.9	22	MINDANAO, PHILIPPINE ISLANDS
27	14	20	36.2%	34.521	S	70.389	W	5	G		0.4	9	CHILE-ARGENTINA BORDER REGION
27	14	44	12.4&	59.103	N	154.114	W	109				34	SOUTHERN ALASKA. <AEIC>.
27	15	25	53.8?	2.79	N	124.96	E	400	G	4.4	0.7	8	CELEBES SEA
27	16	07	02.6	24.072	S	70.425	W	33	N	4.9	1.0	29	NEAR COAST OF NORTHERN CHILE
27	16	18	33.2*	51.087	N	179.287	E	33	N	4.5	1.4	23	RAT ISLANDS, ALEUTIAN ISLANDS
27	16	19	18.0*	51.196	N	179.488	E	33	N	4.4	1.1	26	RAT ISLANDS, ALEUTIAN ISLANDS
27	16	47	32.7	17.846	N	102.725	W	26	D	5.0 4.4	1.0	81	NEAR COAST OF MICHOACAN, MEXICO
27	18	49	40.9?	31.78	S	69.94	W	150	G		0.3	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
27	19	42	23.7*	0.610	S	136.530	E	24	D	4.5	0.8	11	IRIAN JAYA REGION, INDONESIA
27	20	25	27.0?	41.69	S	84.75	E	10	G	4.2	0.6	10	SOUTHEAST INDIAN RIDGE
27	20	27	29.4?	21.09	S	174.18	W	33	N		0.8	9	TONGA ISLANDS
27	21	16	40.8?	20.19	S	177.34	W	500	G	4.0	0.9	9	FIJI ISLANDS REGION
27	21	59	18.1*	4.183	S	127.773	E	33	N	4.5	1.3	13	BANDA SEA
27	22	09	39.3?	22.51	S	169.82	E	33	N		1.7	11	LOYALTY ISLANDS REGION
27	23	10	01.7&	65.820	N	146.620	W	5				13	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
28	00	21	45.8&	63.243	N	151.189	W	4				51	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.4 (PMR).
28	01	55	06.4	5.904	S	129.505	E	150	G	5.0	1.3	32	BANDA SEA
28	04	19	31.6*	10.505	N	92.798	E	33	N	4.2	0.9	13	ANDAMAN ISLANDS, INDIA
28	05	04	36.6*	7.492	S	120.902	E	600	G	4.8	0.7	18	FLORES SEA
28	05	26	22.6	47.530	N	14.882	E	5	G		1.1	10	AUSTRIA. ML 3.0 (GRF), 2.9 (VIE).
28	07	27	18.9*	48.793	N	155.904	E	33	N	3.2	1.1	13	KURIL ISLANDS
28	08	20	59.7*	5.380	N	126.300	E	68	*		1.1	12	MINDANAO, PHILIPPINE ISLANDS
28	08	21	12.4*	17.674	N	97.378	W	109	D		1.6	10	OAXACA, MEXICO
28	09	03	37.4?	34.93	S	70.62	W	120	G		0.2	7	CHILE-ARGENTINA BORDER REGION
28	09	18	42.7&	63.360	N	149.229	W	101				59	CENTRAL ALASKA. <AEIC>.
28	09	20	41.7	12.398	N	125.458	E	33	N	4.9	0.9	21	SAMAR, PHILIPPINE ISLANDS
28	10	17	01.4*	37.337	N	71.294	E	100	G	3.1	0.5	9	AFGHANISTAN-TAJIKISTAN BORD REG.
28	10	40	08.9%	44.383	N	7.346	E	10	G		0.5	10	NORTHERN ITALY. ML 2.0 (GEN).
28	10	44	17.6*	10.645	N	85.008	W	200	G	3.7	0.9	14	COSTA RICA
28	10	56	53.7	42.393	N	48.489	E	33	N	4.6	1.3	38	CASPIAN SEA
28	12	28	40.9?	11.27	N	61.71	W	10	G		0.1	5	WINDWARD ISLANDS. MD 3.0 (TRN).
28	14	11	37.2*	26.794	S	177.099	W	100	G	4.6	1.1	28	SOUTH OF FIJI ISLANDS
28	16	20	06.4?	24.35	S	179.85	E	600	G	4.3	1.1	18	SOUTH OF FIJI ISLANDS
28	16	30	18.2	27.629	S	136.155	W	10	G	5.2 4.5	1.0	107	SOUTH PACIFIC OCEAN
28	16	44	35.2*	49.992	N	178.297	E	33	N		0.6	11	SOUTH OF ALEUTIAN ISLANDS
28	17	39	47.4*	48.154	N	7.537	E	5	G		1.3	6	FRANCE. ML 2.3 (LDG).
28	17	41	49.5%	32.889	S	71.454	W	50	G		0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
28	18	05	32.3*	20.747	S	67.279	W	200	G	4.3	1.2	17	SOUTHERN BOLIVIA
28	18	52	02.1*	37.740	N	20.559	E	58	*		0.7	9	IONIAN SEA
28	20	02	18.8*	15.132	N	119.337	E	31	D	4.2	0.8	10	LUZON, PHILIPPINE ISLANDS
28	20	14	18.9	44.157	N	7.010	E	10	G		0.5	16	NORTHERN ITALY. ML 1.5 (LDG).
28	20	45	25.4&	61.522	N	152.032	W	7				68	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.0 (PMR).
28	20	51	01.9?	5.49	N	126.43	E	71	?		1.1	12	MINDANAO, PHILIPPINE ISLANDS
28	21	16	35.9?	18.62	S	178.15	W	600	G	3.2	1.6	7	FIJI ISLANDS REGION
28	21	23	13.9*	26.339	N	96.592	E	33	N		0.7	10	MYANMAR
28	21	33	07.3?	37.19	N	5.25	E	10	G		0.7	23	WESTERN MEDITERRANEAN SEA. mbLg 3.3 (MDD).
28	22	37	34.4*	6.072	N	126.584	E	72	*	4.1	1.0	19	MINDANAO, PHILIPPINE ISLANDS
28	22	37	48.9	35.051	N	87.454	E	33	N	4.7	1.1	28	XIZANG
28	23	08	09.2*	10.914	N	43.357	W	10	G	4.5	1.2	18	NORTHERN MID-ATLANTIC RIDGE
28	23	53	35.4	44.796	N	6.753	E	10	G		0.6	7	FRANCE. ML 1.5 (GEN).
29	00	12	52.0%	47.760	N	7.141	E	5	G		0.2	5	SWITZERLAND. ML 2.3 (LDG).
29	00	39	34.4&	59.964	N	153.115	W	128				49	SOUTHERN ALASKA. <AEIC>.
29	01	17	57.5*	36.560	S	71.316	W	150	G		0.4	11	CENTRAL CHILE. MD 3.8 (SAN).
29	01	48	10.1&	62.449	N	151.224	W	82				76	CENTRAL ALASKA. <AEIC>.
29	01	58	46.0	42.918	N	7.156	W	10	G		1.3	23	SPAIN. mbLg 3.6 (MDD). Felt (III) in the Sarria-Becerrea area.
29	02	36	20.6	36.543	N	141.571	E	33	N		0.8	18	NEAR EAST COAST OF HONSHU, JAPAN
29	02	49	30.8%	36.867	N	3.981	W	5	G		0.6	11	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
29	02	56	51.2*	4.216	S	152.825	E	68	*	4.5	1.1	24	NEW BRITAIN REGION, P.N.G.
29	03	26	27.2*	15.344	S	75.678	W	33	N	3.7	0.8	14	NEAR COAST OF PERU
29	03	50	34.8	39.717	N	73.089	E	33	N	3.6	0.8	16	TAJIKISTAN-XINJIANG BORDER REG.
29	04	17	57.8%	47.848	N	7.236	E	5	G		1.7	8	SWITZERLAND. ML 2.6 (LDG).
29	04	42	31.9%	37.351	N	4.508	W	20	G		1.0	14	SPAIN. mbLg 3.1 (MDD).
29	05	28	05.4?	32.50	N	132.14	E	10	G		0.5	4	SHIKOKU, JAPAN
29	06	43	38.9*	22.645	N	121.675	E	33	N		1.4	6	TAIWAN REGION
29	07	02	29.6*	15.695	S	179.584	E	100	G	4.8	1.5	48	FIJI ISLANDS. Felt strongly at Labasa and on Cikobia.
29	07	40	36.9?	13.27	S	178.17	E	33	N	4.3	1.2	11	FIJI ISLANDS REGION
29	08	00	05.6?	54.01	N	102.98	E	10	G		1.5	6	LAKE BAYKAL REGION, RUSSIA
29	08	05	28.4	17.536	N	61.488	W	33	N	4.0	1.5	26	LEEWARD ISLANDS. MD 4.3 (TRN).
29	08	20	18.4*	39.315	N	77.412	E	33	N	4.5 4.7	1.5	20	SOUTHERN XINJIANG, CHINA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:20:17.9; Lat 38.97 N; Lon 77.42 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.71, Plg=37, Azm=251; (N) Val=0.89, Plg=42, Azm=118; (P) Val=-7.60, Plg=26, Azm=3; Best double couple: Mo=7.2*10**16 Nm; NP1: Strike=42, Dip=43, Slip=10; NP2: Strike=304, Dip=83, Slip=132.
29	08	45	25.8?	53.85	N	168.01	E	33	N		0.9	5	KOMANDORSKY ISLANDS REGION
29	09	06	17.3?	11.69	N	125.75	E	33	N		0.4	7	SAMAR, PHILIPPINE ISLANDS
29	12	02	29.4*	17.076	N	101.512	W	33	N	3.4	1.4	10	NEAR COAST OF GUERRERO, MEXICO
29	12	13	55.9*	4.749	S	138.745	E	50	G	3.9	1.3	10	IRIAN JAYA, INDONESIA
29	13	05	44.1?	51.66	N	176.69	E	33	N		1.1	5	RAT ISLANDS, ALEUTIAN ISLANDS
29	13	12	39.6&	59.391	N	152.275	W	66				46	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
29	13	26	22.3*	43.383	N	144.504	E	100	G	4.2	0.9	11	HOKKAIDO, JAPAN REGION
29	14	17	32.9?	49.64	S	109.86	E	10	G	4.3	0.3	8	SOUTHEAST INDIAN RIDGE
29	14	34	29.7?	32.39	S	72.10	W	33	N		0.6	10	OFF COAST OF CENTRAL CHILE. MD 3.5 (SAN).
29	16	03	26.0&	60.603	N	150.791	W	41				84	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.4 (AEIC), 3.7 (PMR).

29	17	06	13.4*	2.954	S	129.422	E	33	N	4.6	1.1	25	SERAM, INDONESIA
29	17	16	16.8*	22.940	S	169.301	E	33	N	4.6	1.3	23	LOYALTY ISLANDS REGION
29	17	54	46.2	14.832	N	60.511	W	50	G		0.4	15	WINDWARD ISLANDS. MD 4.0 (TRN). Felt (II) on Martinique.
29	18	19	33.6	23.995	S	178.647	E	600	G	5.1	0.8	68	SOUTH OF FIJI ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:19:34.7; Lat 23.84 S; Lon 178.85 E; Dep 584.2; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.69, Plg=27, Azm=241; (N) Val=0.48, Plg=2, Azm=150; (P) Val=-1.16, Plg=63, Azm=55; Best double couple: Mo=9.2*10**16 Nm; NP1: Strike=337, Dip=18, Slip=-82; NP2: Strike=149, Dip=72, Slip=-93.
29	18	45	13.6&	61.002	N	150.808	W	44				55	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
29	19	37	31.3	26.481	N	126.757	E	100	G	4.3	0.9	27	RYUKYU ISLANDS
29	19	40	55.5*	7.516	N	95.590	E	150	G	4.2	1.2	9	NICOBAR ISLANDS, INDIA
29	19	52	42.4&	30.940	N	141.892	E	33	N		1.0	7	SOUTH OF HONSHU, JAPAN
29	20	16	39.0&	59.814	N	153.226	W	119		3.0		63	SOUTHERN ALASKA. <AEIC>.
29	20	21	35.9*	46.654	N	150.267	E	100	G	4.4	0.9	40	KURIL ISLANDS
29	20	29	29.2*	24.243	S	178.637	E	650	G	4.3	1.2	18	SOUTH OF FIJI ISLANDS
29	21	41	17.7*	29.539	N	138.889	E	450	G	3.6	0.7	14	SOUTH OF HONSHU, JAPAN
29	22	33	44.7?	23.17	S	111.69	W	10	G	3.9	0.9	7	EASTER ISLAND REGION
29	23	08	47.0&	61.358	N	147.494	W	20				67	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 2.9 (PMR).
29	23	15	31.2?	24.50	S	179.59	E	550	G	4.2	1.2	14	SOUTH OF FIJI ISLANDS
29	23	19	20.8	12.904	S	166.376	E	33	N	5.5 6.0	1.3	116	SANTA CRUZ ISLANDS. Mw 6.2 (HRV), 6.0 (GS). Moment Tensor (GS): Dep 28; Principal axes (scale 10**18 Nm): (T) Val=1.31, Plg=83, Azm=43; (N) Val=-0.05, Plg=2, Azm=147; (P) Val=-1.26, Plg=7, Azm=238; Best double couple: Mo=1.3*10**18 Nm; NP1: Strike=330, Dip=38, Slip=93; NP2: Strike=146, Dip=52, Slip=88. Centroid, Moment Tensor (HRV): Centroid origin time 23:19:27.7; Lat 12.87 S; Lon 166.26 E; Dep 36.0 Bdy; Half-duration 3.1 sec; Principal axes (scale 10**18 Nm): (T) Val=2.13, Plg=77, Azm=348; (N) Val=0.05, Plg=13, Azm=162; (P) Val=-2.18, Plg=1, Azm=253; Best double couple: Mo=2.2*10**18 Nm; NP1: Strike=355, Dip=45, Slip=108; NP2: Strike=150, Dip=48, Slip=73.
29	23	31	11.0*	12.899	S	166.588	E	33	N	4.7	1.0	21	SANTA CRUZ ISLANDS
29	23	40	46.1*	26.203	N	124.820	E	200	G	4.1	0.7	18	NORTHEAST OF TAIWAN
30	00	38	53.8*	1.228	N	126.053	E	33	N	4.7	0.8	20	NORTHERN MOLUCCA SEA
30	03	14	40.7*	31.715	S	68.837	W	200	G	4.0	1.2	14	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).
30	03	20	54.9	34.821	N	136.089	E	356		4.4	0.9	68	WESTERN HONSHU, JAPAN
30	03	26	20.7?	24.86	S	179.25	E	650	G	4.5	0.9	17	SOUTH OF FIJI ISLANDS
30	03	32	50.4?	24.09	S	67.19	W	200	G	4.5	1.1	7	CHILE-ARGENTINA BORDER REGION
30	03	40	51.9?	13.02	S	166.49	E	100	G		1.5	6	VANUATU ISLANDS
30	03	56	56.4*	65.026	N	132.591	W	10	G		1.2	6	NORTHERN YUKON TERRITORY, CANADA
30	05	28	23.3	59.380	N	145.049	W	33	N	5.0 4.5	0.9	183	GULF OF ALASKA. ML 4.9 (AEIC), 4.8 (PMR).
30	05	38	06.8*	18.375	S	178.263	W	650	G	4.3	0.7	18	FIJI ISLANDS REGION
30	08	32	13.5*	51.149	N	179.724	E	33	N	4.1	0.8	22	RAT ISLANDS, ALEUTIAN ISLANDS
30	08	50	56.6*	8.348	N	145.549	E	33	N	4.4	1.2	21	E. CAROLINE ISLANDS, MICRONESIA
30	09	22	32.8?	6.14	S	155.71	E	100	G	3.5	0.5	6	SOLOMON ISLANDS
30	09	59	01.8	22.504	N	101.322	E	10	G	5.0 4.7	1.3	65	MYANMAR-CHINA BORDER REGION. Felt strongly at Jiangcheng, Mengla, Puer and Yunjinghong, China.
30	10	34	00.0?	51.08	N	179.49	E	33	N	3.5	0.9	6	RAT ISLANDS, ALEUTIAN ISLANDS
30	10	37	04.5?	50.90	N	179.40	E	33	N	3.4	0.9	5	RAT ISLANDS, ALEUTIAN ISLANDS
30	10	42	07.3*	3.510	S	149.758	E	33	N	4.3	1.3	12	BISMARCK SEA
30	11	10	47.8&	40.213	N	124.165	W	11				4	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
30	11	47	21.1&	60.174	N	147.246	W	7				47	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
30	12	09	18.7	51.599	N	16.442	E	5	G		0.9	8	POLAND. MG 3.1 (WAR).
30	12	57	56.9*	54.084	S	5.343	E	10	G	4.8	0.5	8	BOUVET ISLAND REGION
30	13	06	52.9&	35.749	N	117.638	W	5				26	CENTRAL CALIFORNIA. <PAS-P>. MD 3.0 (PAS). ML 3.0 (GS).
30	13	54	32.7*	15.268	S	178.618	W	400	G	4.1	0.8	36	FIJI ISLANDS REGION
30	14	15	53.7*	54.284	N	169.437	W	281	*	4.1	1.1	19	FOX ISLANDS, ALEUTIAN ISLANDS
30	14	35	53.3&	44.912	N	6.373	E	5	G		0.7	9	FRANCE. ML 2.2 (GEN).
30	14	36	20.7*	84.974	N	5.965	E	10	G	4.5	0.9	12	NORTH OF SVALBARD
30	15	11	59.0?	1.72	N	128.54	E	100	G	3.8	1.1	8	HALMAHERA, INDONESIA
30	15	55	04.1*	24.941	N	94.385	E	100	G	4.1	1.1	13	MYANMAR-INDIA BORDER REGION
30	16	13	18.1*	79.232	N	3.693	E	10	G		0.9	7	GREENLAND SEA
30	16	17	45.3	44.410	N	4.858	E	10	G		0.9	11	FRANCE. ML 2.8 (STR).
30	17	20	10.0?	3.60	S	103.68	E	150	G	3.6	1.1	8	SOUTHERN SUMATERA, INDONESIA
30	17	44	20.6*	37.179	N	71.642	E	133	D	4.2	1.1	20	AFGHANISTAN-TAJIKISTAN BORD REG.
30	18	01	31.6?	36.54	N	71.35	E	150	G	3.5	0.8	9	AFGHANISTAN-TAJIKISTAN BORD REG.
30	18	16	49.2*	44.877	N	144.406	E	238	*	4.4	1.0	26	HOKKAIDO, JAPAN REGION
30	18	25	56.8?	6.24	S	141.85	E	33	N	3.7	1.2	7	NEW GUINEA, PAPUA NEW GUINEA
30	18	32	33.4*	10.258	N	121.675	E	33	N	4.8	1.1	19	PANAY, PHILIPPINE ISLANDS
30	18	37	58.1	36.861	N	28.312	E	38	*	3.8	1.2	23	DODECANESE ISLANDS
30	18	48	21.0&	36.082	N	117.634	W	1				25	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 3.2 (PAS). ML 3.1 (GS).
30	20	53	22.8?	0.68	S	131.53	E	33	N	4.3	1.3	10	IRIAN JAYA REGION, INDONESIA
30	21	21	48.2*	50.446	N	18.978	E	10	G		1.4	7	POLAND. MG 2.9 (WAR).
30	21	31	52.0	23.820	N	141.686	E	118	D	4.6	1.2	51	VOLCANO ISLANDS REGION
30	21	33	46.6?	33.03	S	72.48	W	10	G		0.5	11	OFF COAST OF CENTRAL CHILE. MD 3.4 (SAN).
30	21	40	51.8*	5.911	N	125.733	E	176	*	4.3	1.0	15	MINDANAO, PHILIPPINE ISLANDS
30	21	42	46.4	17.679	N	120.247	E	53	D	4.9	0.8	88	LUZON, PHILIPPINE ISLANDS
30	21	49	58.4*	43.140	N	145.295	E	100	G		0.6	5	HOKKAIDO, JAPAN REGION
30	21	57	46.4	39.520	N	76.938	E	80	D	4.2	0.8	23	SOUTHERN XINJIANG, CHINA
30	23	46	29.7	7.505	N	36.290	W	10	G	4.8 4.4	0.7	77	CENTRAL MID-ATLANTIC RIDGE
31	00	12	51.5*	2.846	S	138.592	E	33	N	4.0	1.5	9	IRIAN JAYA, INDONESIA
31	01	43	25.4?	12.21	N	85.99	W	100	G	3.6	0.7	9	NICARAGUA
31	02	56	53.3*	29.515	N	68.094	E	33	N	3.8	0.6	9	PAKISTAN
31	03	17	29.4*	16.817	N	96.502	W	76	*		1.4	12	OAXACA, MEXICO
31	03	51	49.9	18.656	S	169.060	E	200	G	5.0	1.1	132	VANUATU ISLANDS
31	04	05	42.6*	43.708	N	147.379	E	60	?	4.2	1.3	35	KURIL ISLANDS
31	04	48	41.9?	12.43	N	125.57	E	33	N		1.3	6	SAMAR, PHILIPPINE ISLANDS
31	05	02	56.7?	14.70	S	176.35	W	200	G	4.2	1.1	13	FIJI ISLANDS REGION

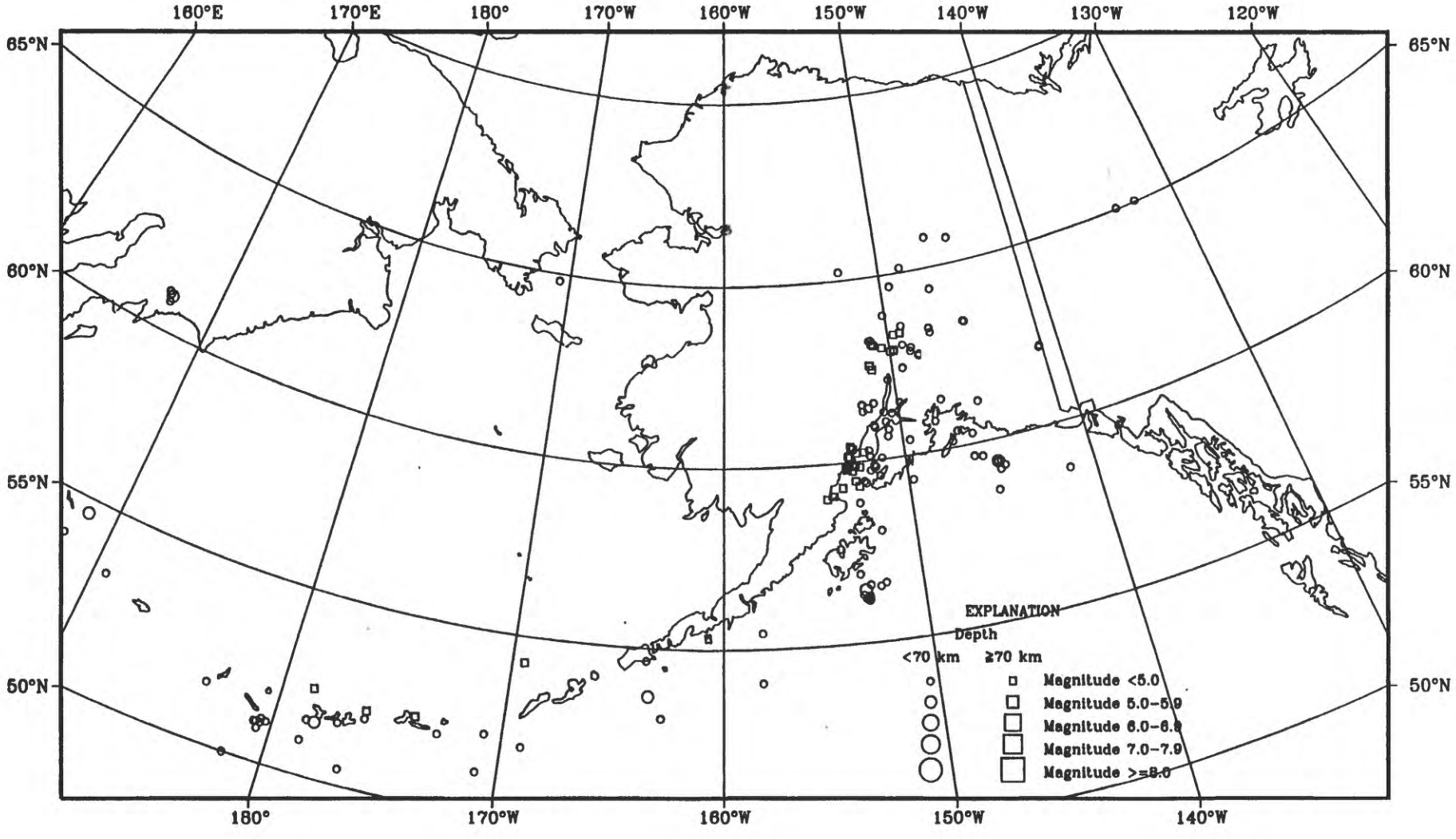
31	06	00	01.3?	43.30	N	146.78	E	33	N		1.1	6	KURIL ISLANDS
31	08	21	20.3*	11.767	N	143.572	E	33	N	4.2	0.8	13	SOUTH OF MARIANA ISLANDS
31	09	25	57.9?	24.96	N	45.97	W	10	G	4.6	0.6	6	NORTHERN MID-ATLANTIC RIDGE
31	09	55	20.0	10.966	N	84.775	W	155	D	4.6	0.8	61	COSTA RICA
31	10	39	57.8*	12.633	N	142.735	E	137	*	4.6	1.1	30	SOUTH OF MARIANA ISLANDS
31	10	43	00.7%	36.107	N	139.902	E	33	N		0.8	5	EASTERN HONSHU, JAPAN
31	12	25	41.0&	33.911	N	117.785	W	9				29	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.5 (PAS). ML 3.5 (GS). Felt in Los Angeles, Orange, Riverside and San Bernardino Counties.
31	12	48	31.7	45.188	N	5.932	E	10	G		1.3	14	FRANCE. ML 2.5 (STR).
31	13	28	03.5%	27.853	N	129.807	E	33	N		0.4	6	RYUKYU ISLANDS
31	13	55	47.8*	24.858	N	46.434	W	10	G	3.4	1.0	9	NORTHERN MID-ATLANTIC RIDGE
31	14	22	38.9*	31.188	N	138.428	E	371	*		1.3	15	SOUTH OF HONSHU, JAPAN
31	16	14	02.6?	22.86	S	170.35	E	50	G	4.2	1.4	13	LOYALTY ISLANDS REGION
31	17	09	15.9	27.998	N	85.218	E	10	G	4.4	1.1	28	NEPAL. Felt at Kathmandu.
31	18	02	29.4*	5.245	S	129.941	E	200	G	4.7	0.5	14	BANDA SEA
31	18	06	44.5	8.595	S	114.847	E	76		4.8	1.2	33	BALI REGION, INDONESIA. Felt at Denpasar. Also felt (II) at Kahang-Kahang.
31	18	24	46.4&	62.817	N	148.770	W	11				70	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.4 (PMR).
31	19	21	20.9*	33.080	N	139.333	E	21	*	3.3	1.4	15	SOUTH OF HONSHU, JAPAN
31	19	28	43.5*	18.343	S	67.925	W	250	G	3.2	0.7	11	CENTRAL BOLIVIA
31	20	02	16.6	27.946	N	85.127	E	22	D	5.2 4.8	1.0	167	NEPAL. Some damage to buildings in the Dhunche area. Felt at Kathmandu.
31	20	16	32.7%	32.665	S	71.080	W	10	G		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).
31	20	22	56.0&	65.691	N	145.163	W	14				24	NORTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
31	20	53	00.7?	25.35	S	112.66	W	10	G	4.2	0.9	5	EASTER ISLAND REGION
31	20	55	53.1*	27.904	N	85.120	E	10	G	3.9	0.8	13	NEPAL. Felt at Kathmandu.
31	21	05	28.9*	27.146	N	142.960	E	33	N	4.4	0.5	7	BONIN ISLANDS REGION
31	21	19	44.5	43.355	N	0.647	W	10	G		1.4	8	PYRENEES. ML 2.6 (LDG). mbLg 2.4 (MDD).
31	21	28	00.4*	4.691	S	134.251	E	27	D	4.2	1.2	12	IRIAN JAYA REGION, INDONESIA
31	21	37	00.0%	46.116	N	1.317	W	5	G		0.6	5	FRANCE. ML 2.2 (LDG).
31	23	18	39.6	26.144	N	140.859	E	524	D	5.3	0.9	239	BONIN ISLANDS REGION
31	23	44	58.5&	63.146	N	151.058	W	111				5	CENTRAL ALASKA. <AEIC>.
31	23	46	40.6?	35.07	S	70.72	W	120	G		0.3	9	CHILE-ARGENTINA BORDER REGION

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

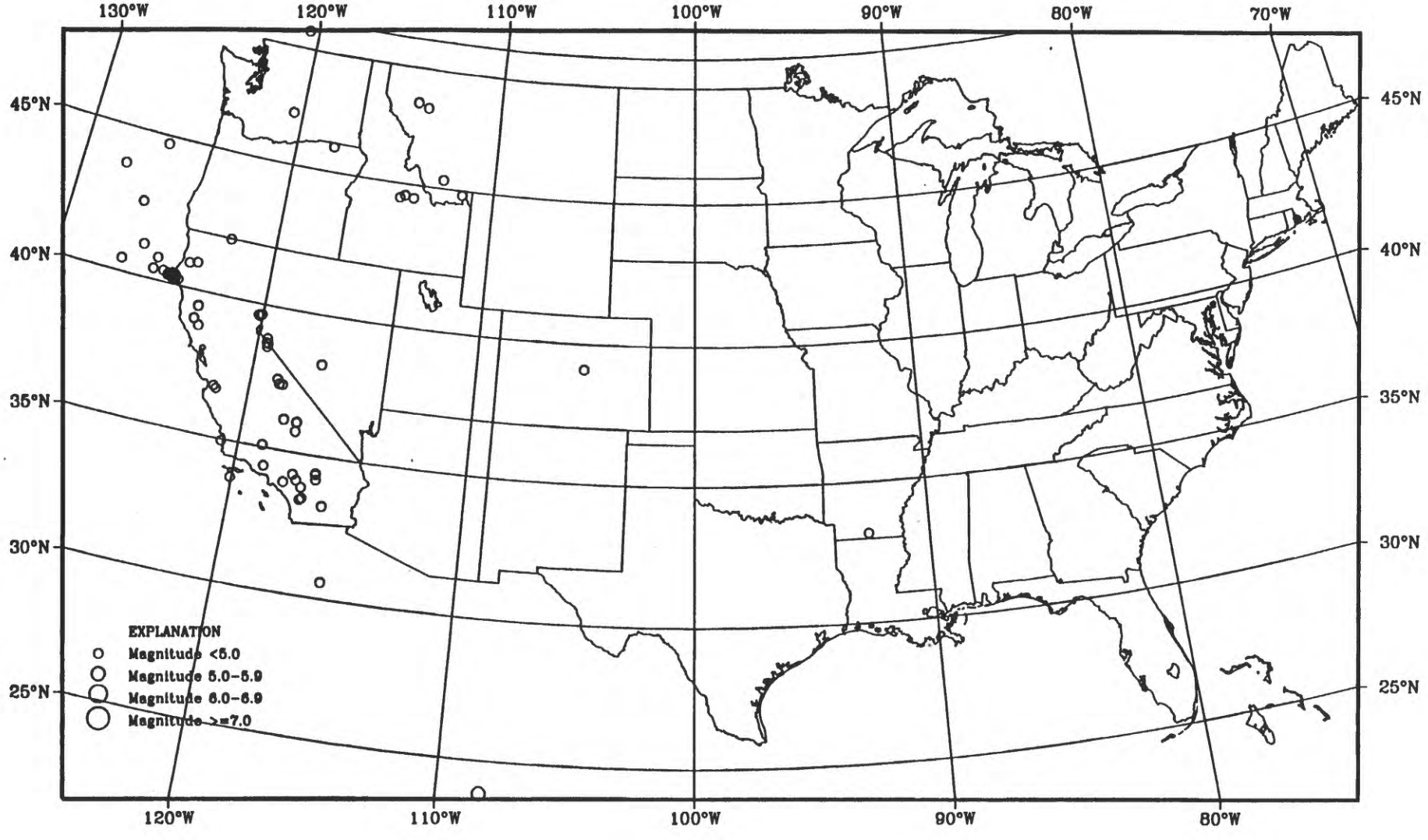
Earthquake Focal Mechanisms for January 1997



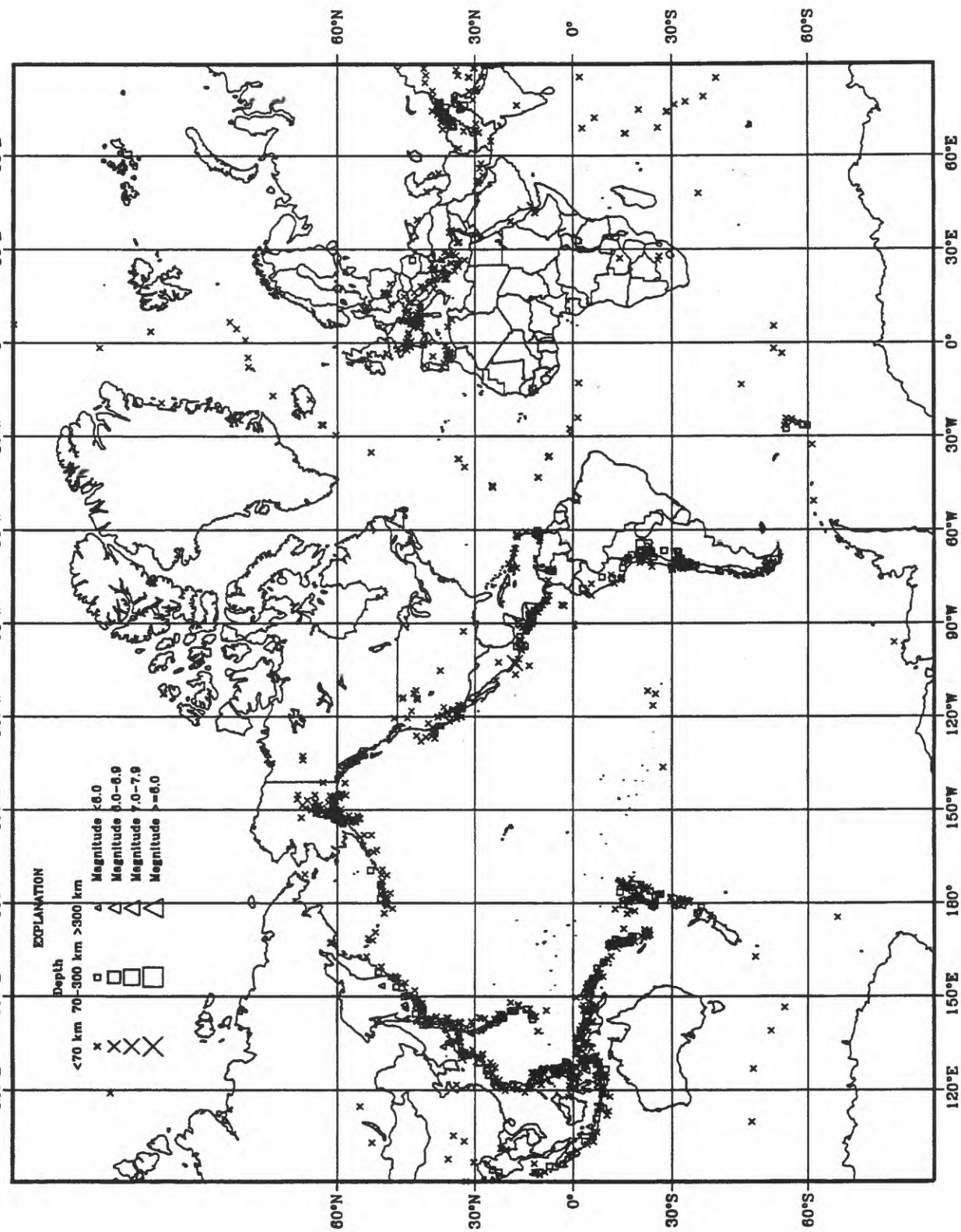
Earthquake epicenters in Alaska and adjacent regions for January 1997



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



Earthquakes located worldwide in January 1997



SIGNIFICANT EARTHQUAKES OF THE WORLD, 1996

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

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
JAN 01	08 05 10.8	0.729 N	119.931 E	24 G	6.3	7.6	1.2	368	MINAHASSA PENINSULA, SULAWESI. Mw 7.8 (GS), 7.9 (HRV). Me 7.4 (GS). Ms 7.6 (BRK). Mo=5.1*10**20 Nm (GS). Mo=7.8*10**20 Nm (HRV). Mo=2.6*10**20 Nm (PPT). At least eight people killed, one person missing and more than 350 buildings damaged in the Bangkir-Tolitoli area. A local tsunami with estimated runup heights of one to five meters contributed to the damage in the epicentral area. Two events about 2.4 seconds apart.
JAN 01	09 57 51.4	53.826 N	159.586 E	33 N	5.9	6.6	1.4	316	NEAR EAST COAST OF KAMCHATKA. Ms 6.6 (BRK). Felt (IV) at Petropavlovsk-Kamchatskiy.
JAN 08	10 04 47.8	53.304 N	142.738 E	8 G	5.6	5.3	0.9	453	SAKHALIN ISLAND. Mw 5.6 (GS), 5.6 (HRV). Ms 5.1 (BRK) Mo=3.1*10**17 Nm (GS). Mo=3.0*10**17 Nm (HRV). Fourteen houses damaged at Okha. Felt (VII) at Russa; (VI) at Okha and Tungor; (V) at Moskalvo, Nogliki and Vostochnyy; (IV) at Nekrasovka and Rybnoye.
JAN 30	22 29 57.1	32.921 S	178.298 W	33 N	5.6	6.7	1.0	137	SOUTH OF KERMADEC ISLANDS. Mw 6.4 (HRV). Ms 6.9 (BRK). Mo=4.4*10**18 Nm (HRV). Mo=6.2*10**18 Nm (PPT).
FEB 03	11 14 20.1	27.291 N	100.276 E	11 G	6.4	6.5	1.2	604	YUNNAN, CHINA. Mw 6.2 (GS), 6.6 (HRV). Me 6.6 (GS). Mo=2.1*10**18 Nm (GS). Mo=9.9*10**18 Nm (HRV). At least 322 people killed, 3,925 seriously injured and 13,000 slightly injured. About 358,000 housing units collapsed and 654,000 others were damaged. More than 320,000 people were left homeless. Maximum intensity (IX) at Lijiang. Complex event. Depth from broadband displacement seismograms.
FEB 07	21 36 46.3	45.324 N	149.892 E	43 G	6.3	7.0	1.1	642	KURIL ISLANDS. Mw 7.1 (GS), 7.2 (HRV). Mo=4.8*10**19 Nm (GS). Mo=6.4*10**19 Nm (HRV). Minor damage (V) on Iturup. Felt (V) at Yuzhno-Kurilsk, Kunashir. Also felt (V) on Simushir and Urup.
FEB 16	09 44 58.4	1.496 S	15.279 W	11 G	6.2	6.4	1.1	465	NORTH OF ASCENSION ISLAND. Mw 6.5 (GS), 6.6 (HRV). Me 6.9 (GS). Mo=7.3*10**18 Nm (GS). Mo=8.3*10**18 Nm (HRV). Mo=6.3*10**18 Nm (PPT).
FEB 16	15 22 58.8	37.353 N	142.380	41 G	6.3	6.2	1.1	627	OFF EAST COAST OF HONSHU, JAPAN. Mw 6.7 (GS), 6.7 (HRV). Me 6.7 (GS). Ms 5.8 (BRK). Mo=1.1*10**19 Nm (GS). Mo=1.3*10**19 Nm (HRV). Mo=1.2*10**19 Nm (PPT). Several people slightly injured in the epicentral area. Felt (IV JMA) at Fukushima, Ichinoseki, Ishinomaki, Mito, Morioka, Ofunato, Sendai and Shirakawa. Felt at Tokyo. Also felt on the Izu Peninsula and on Hokkaido.
FEB 17	05 59 30.5	0.891 S	136.952 E	33 N	6.5	8.1	1.3	370	IRIAN JAYA REGION, INDONESIA. Mw 8.1 (GS), 8.2 (HRV). Me 7.7 (GS). Ms 7.8 (BRK). Mo=1.8*10**21 Nm (GS). Mo=2.4*10**21 Nm (HRV). Mo=9.0*10**20 Nm (PPT). At least 108 people killed, 423 injured, 58 missing, 5,043 houses destroyed or damaged in the epicentral area. Extensive damage on Biak and Supiori from the tsunami, which reached heights of 7 meters in many areas. Also damage along the north coast of Irian Jaya from Manokwari to Sarmi.
FEB 17	14 21 22.3	0.567 S	135.840 E	19 G	5.8	6.5	1.1	294	IRIAN JAYA REGION, INDONESIA. Mw 6.5 (GS), 6.5 (HRV). Me 6.5 (GS). Mo=6.4*10**18 Nm (GS). Mo=6.6*10**18 Nm (HRV).
FEB 17	20 18 07.0	0.917 S	136.225 E	32 G	6.0	6.6	1.3	127	IRIAN JAYA REGION, INDONESIA. Mw 6.4 (GS), 6.5 (HRV). Me 6.5 (GS). Ms 6.6 (BRK). Mo=4.8*10**18 Nm (GS). Mo=7.2*10**18 Nm (HRV). Mo=8.9*10**18 Nm (PPT).
FEB 18	02 25 33.3	1.336 S	136.464 E	10 G	5.9	6.3	1.4	244	IRIAN JAYA REGION, INDONESIA. Mw 6.0 (GS), 6.4 (HRV). Me 6.6 (GS). Mo=1.3*10**18 Nm (GS). Mo=4.3*10**18 Nm (HRV). Mo=9.0*10**18 Nm (PPT).
FEB 18	23 49 28.1	1.266 S	14.273 W	10 G	6.3	6.5	1.1	534	NORTH OF ASCENSION ISLAND. Mw 6.5 (GS), 6.6 (HRV). Me 7.0 (GS). Mo=7.3*10**18 Nm (GS). Mo=9.7*10**18 Nm (HRV). Mo=6.8*10**18 Nm (PPT).
FEB 21	12 51 01.3	9.593 S	79.587 W	10 G	5.8	6.6	1.2	238	OFF COAST OF NORTHERN PERU. Mw 7.4 (GS), 7.5 (HRV). Ms 6.4 (BRK). Mo=1.5*10**20 Nm (GS). Mo=2.2*10**20 Nm (HRV). Mo=3.0*10**20 Nm (PPT). Four fishermen killed near Chimbote and three others missing near Callao from a regional tsunami. Two people injured at Coishco. About 150 beach huts, some homes and small boats were destroyed by waves in the Chimbote area. Felt (IV) at Chimbote and Huarmey; (III) at Casma; (II) at Huacho and Huaraz.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
FEB 22	13 40 53.4	33.672 S	71.671 W	43 G	5.9	5.5	1.1	335	NEAR COAST OF CENTRAL CHILE. Mw 6.0 (GS), 5.9 (HRV). Me 5.7 (GS). MD 5.7 (SAN). Mo=1.1*10**18 Nm (GS). Mo=7.9*10**17 Nm (HRV). One person injured at Santiago. Minor damage (VII) at Papudo. Felt (V) at Coquimbo, Rancagua, Santiago and Valparaiso; (IV) in Maule Province. Mud walls collapsed at Las Cabras and Melipilla. Mudslides blocked roads in the San Antonio area.
FEB 25	03 08 15.8	15.978 N	98.070 W	21 G	6.1	6.9	1.2	403	OFF COAST OF GUERRERO, MEXICO. Mw 7.1 (GS), 7.1 (HRV). Me 6.5 (GS). Ms 6.6 (BRK). Mo=5.4*10**19 Nm (GS). Mo=3.5*10**19 Nm (HRV). Felt along the Guerrero and Oaxaca coasts. Also felt at Mexico City.
MAR 03	14 55 11.8	11.657 N	86.856 W	33 N	5.7	6.5	1.3	307	NEAR COAST OF NICARAGUA. Mw 6.6 (GS), 6.6 (HRV). Me 5.9 (GS). Ms 6.4 (BRK). Mo=8.6*10**18 Nm (GS). Mo=9.0*10**18 Nm (HRV). Mo=1.1*10**19 Nm (PPT).
MAR 03	16 37 31.5	11.905 N	86.772 W	33 N	5.7	6.7	1.2	293	NEAR COAST OF NICARAGUA. Mw 6.7 (GS), 6.7 (HRV). Me 6.0 (GS). Ms 6.7 (BRK). Mo=1.4*10**19 Nm (GS). Mo=1.3*10**19 Nm (HRV). Mo=1.5*10**19 Nm (PPT). Some damage at Chinandega and Granada. Felt strongly at Managua.
MAR 05	14 52 28.6	24.092 N	122.215 E	30	6.1	6.4	1.0	360	TAIWAN REGION. Mw 6.3 (GS), 6.3 (HRV). Me 6.0 (GS). Ms 5.9 (BRK). Mo=3.5*10**18 Nm (GS). Mo=3.6*10**18 Nm (HRV). Felt strongly at Taipei. Felt in many parts of Taiwan.
MAR 16	22 04 06.2	28.983 N	138.944 E	477 D	5.9		0.9	348	BONIN ISLANDS REGION. Mw 6.7 (GS), 6.7 (HRV). Me 6.4 (GS). mb 6.1 (BRK). Mo=1.2*10**19 Nm (GS). Mo=1.1*10**19 Nm (HRV). Mo=5.6*10**18 Nm (PPT).
MAR 17	14 48 56.7	14.705 S	167.297 E	164 D	5.8	6.0	0.9	162	VANUATU ISLANDS. Mw 6.7 (GS), 6.7 (HRV). Me 6.4 (GS). Mo=1.2*10**19 Nm (GS). Mo=1.2*10**19 Nm (HRV). Mo=1.7*10**19 Nm (PPT).
MAR 19	15 00 26.0	39.993 N	76.696 E	28 D	5.7	6.0	1.0	273	SOUTHERN XINJIANG, CHINA. Mw 6.1 (GS), 6.3 (HRV). Me 5.7 (GS). Mo=1.5*10**18 Nm (GS). Mo=3.6*10**18 Nm (HRV). At least twenty-four people killed, 128 injured and more than 15,314 houses destroyed in the Artux-Jiashi area. Also felt in the Bachu, Kashi, Wuqia and Yecheng areas.
MAR 22	03 24 20.0	51.221 N	178.695 E	20 G	5.7	6.6	1.2	477	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 6.8 (GS), 6.7 (HRV). Me 6.3 (GS). ML 6.6 (PMR). Ms 6.5 (BRK). Mo=1.7*10**19 Nm (GS). Mo=1.4*10**19 Nm (HRV). Mo=2.0*10**19 Nm (PPT). Felt on Adak.
MAR 28	23 03 49.8	1.036 S	78.737 W	33 N	5.8	5.2	0.8	296	ECUADOR. Mw 6.0 (GS), 5.9 (HRV). Me 5.6 (GS). Ms 5.1 (BRK). Mo=9.6*10**17 Nm (GS). Mo=8.4*10**17 Nm (HRV). At least 27 people killed, 100 injured, several thousand homeless and considerable damage and destruction to homes, bridges and water pipes in Cotopaxi, Pastaza and Tungurahua Provinces. Landslides blocked several roads in the epicentral area. Minor damage (VI) at Ambato, Latacunga and San Miguel de Salcedo. Felt (IV) at Quito; (III) at Ibarra; (II) at Cuenca and Guayaquil. Felt in many parts of Ecuador.
APR 16	00 30 54.6	24.061 S	177.036 W	111 D	6.4	6.8	1.0	376	SOUTH OF FIJI ISLANDS. Mw 7.2 (GS), 7.2 (HRV). Me 6.9 (GS). Mo=6.5*10**19 Nm (GS). Mo=6.4*10**19 Nm (HRV). Mo=9.5*10**19 Nm (PPT).
APR 19	00 19 31.1	23.944 S	70.093 W	50 D	6.0	6.1	1.0	295	NEAR COAST OF NORTHERN CHILE. Mw 6.6 (GS), 6.6 (HRV). Me 6.5 (GS). Mo=7.5*10**18 Nm (GS). Mo=8.4*10**18 Nm (HRV). Mo=1.4*10**19 Nm (PPT). Felt (V-VI) at Calama; (V) at Antofagasta, Maria Elena and Tocopilla; (IV) at Taltal.
APR 29	14 40 41.0	6.518 S	154.999 E	44 G	6.3	7.5	1.0	301	SOLOMON ISLANDS. Mw 7.2 (GS), 7.2 (HRV). Me 6.9 (GS). Mo=6.9*10**19 Nm (GS). Mo=7.6*10**19 Nm (HRV). Mo=4.7*10**19 Nm (PPT). One person killed and several dozen houses collapsed in Bougainville.
MAY 02	06 30 24.8	16.130 N	120.600 E	33 N	5.2	5.0	1.0	113	LUZON, PHILIPPINE ISLANDS. Mw 5.5 (HRV). Mo=1.8*10**17 Nm (HRV). Three people injured at Dagupan. Felt (V RF) at Dagupan; (IV RF) at Baguio and Manila; (III RF) at Quezon.
MAY 02	13 34 28.9	4.548 S	154.833 E	500 G	5.6		1.0	242	SOLOMON ISLANDS. Mw 6.6 (GS), 6.6 (HRV), Me 6.0 (GS). Mo=9.3*10**18 Nm (GS). Mo=1.0*10**19 Nm (HRV). Mo=9.2*10**18 Nm (PPT).
MAY 03	03 32 47.1	40.774 N	109.661 E	26 D	5.5	6.0	1.0	268	WESTERN NEI MONGOL, CHINA. Mw 6.0 (GS), 6.0 (HRV). Mo=1.0*10**18 Nm (GS). Mo=1.1*10**18 Nm (HRV). At least 18 people killed, 300 injured and extensive damage in the Baotou area. Felt at Beijing, Hohhot, Taiyuan, Xian and Yinchuan.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
MAY 03	04 04 22.6&	47.760 N	121.876 W	4	5.2			307	WASHINGTON. <SEA-P>. MD 5.3 (SEA). ML 5.5 (PGC). Two people injured and slight damage in the epicentral area. Felt (V) at Baring, Bothell, Bremerton, Burlington, Carnation, Clinton, Hansville, Kenmore, Kingston, Kirkland, Lake Stevens, Maple Valley, Marblemount, Marysville, Mount Vernon, Pacific, Peshastin, Port Hadlock, Preston, Redmond, Redondo, Ronald, Seattle, Silverdale, Snoqualmie and Woodinville. Felt throughout western Washington, east as far as Wenatchee and south as far as Astoria and Portland, Oregon. Felt at Castlegar, Kelowna, Mission, Nelson, Penticton, Victoria and Vancouver, British Columbia, Canada.
MAY 24	06 35 58.7	27.847 N	53.594 E	33 N	4.9	4.7	0.9	116	SOUTHERN IRAN. Mw 5.2 (HRV). Mo=7.8*10**16 Nm (HRV). Twenty people injured and some damage in the Khonj area.
JUN 02	02 52 09.5	10.797 N	42.254 W	10 G	6.1	6.9	1.1	383	NORTHERN MID-ATLANTIC RIDGE. Mw 6.8 (GS), 7.0 (HRV). Me 7.1 (GS). Es=8.6*10**14 Nm (GS). Mo=2.1*10**19 Nm (GS). Mo=3.0*10**19 Nm (HRV). Mo=4.3*10**19 Nm (PPT).
JUN 08	02 55 57.9	41.657 N	88.690 E	0 G	5.9	4.3	0.9	368	SOUTHERN XINJIANG, CHINA. Probable underground nuclear explosion.
JUN 08	23 19 15.1	51.491 N	178.128 W	33 N	5.9	6.3	0.9	328	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 6.4 (GS), 6.5 (HRV). Me 6.1 (GS). Ms 6.1 (BRK). ML 5.6 (PMR). Es=2.7*10**13 Nm (GS). Mo=4.0*10**18 Nm (GS). Mo=6.8*10**18 Nm (HRV). Felt strongly on Adak.
JUN 09	01 12 16.7	17.444 N	145.458 E	149 D	6.0	5.9	1.0	220	MARIANA ISLANDS. Mw 6.4 (GS), 6.5 (HRV). Me 6.6 (GS). Es=2.0*10**14 Nm (GS). Mo=4.8*10**18 Nm (GS). Mo=7.1*10**18 Nm (HRV). Felt strongly on Saipan.
JUN 10	01 04 46.9	13.481 S	167.130 E	200 D	5.8	5.9	1.0	301	VANUATU ISLANDS. Mw 6.7 (GS), 6.7 (HRV). Me 6.0 (GS). Ms 6.0 (BRK). Es=2.4*10**13 Nm (GS). Mo=1.2*10**19 Nm (GS). Mo=1.2*10**19 Nm (HRV).
JUN 10	04 03 35.4	51.564 N	177.632 W	33 N	6.6	7.6	0.9	508	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 7.6 (GS), 7.9 (HRV), 7.5 (OBN). Me 7.4 (GS). Ms 7.4 (BRK). Es=3.2*10**15 Nm (GS). Mo=2.5*10**20 Nm (GS). Mo=8.1*10**20 Nm (HRV). Mo=2.3*10**20 Nm (OBN). Mo=8.6*10**20 Nm (PPT). Felt (VI) on Adak and Atka. Tsunami generated with wave heights (peak-to-trough) recorded at the following selected tide stations: 102 cm on Adak, 15 cm on Shemya, 12.5 cm at Kodiak and 10.2 cm at Sand Point, Alaska; 46 cm on Midway; 55 cm at Kahului, 38 cm at Hilo, 33 cm at Nawiliwili and 10 cm at Honolulu, Hawaii; 30 cm at Crescent City, California; 10 cm at Port Angeles, Washington.
JUN 10	15 24 56.0	51.478 N	176.847 W	26 G	5.9	7.1	1.0	333	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 7.2 (GS), 7.3 (HRV), 7.3 (OBN). Me 6.9 (GS). Ms 6.9 (BRK). Es=5.1*10**14 Nm (GS). Mo=7.4*10**19 Nm (GS). Mo=8.5*10**19 Nm (HRV). Mo=1.1*10**20 Nm (OBN). Mo=1.1*10**20 Nm (PPT). Felt strongly on Adak.
JUN 11	18 22 55.7	12.614 N	125.154 E	33 N	6.0	7.0	0.9	307	SAMAR, PHILIPPINE ISLANDS. Mw 7.0 (GS), 7.1 (HRV), 7.1 (OBN). Me 6.6 (GS). Ms 7.2 (BRK). Es=2.0*10**14 Nm (GS). Mo=3.2*10**19 Nm (GS). Mo=4.9*10**19 Nm (HRV). Mo=5.4*10**19 Nm (OBN). Mo=5.7*10**19 Nm (PPT). Felt (V RF) at Catarman; (IV RF) at Bulusan, Luzon and Palo, Leyte; (III RF) at Legaspi, Luzon; (I RF) at Quezon, Luzon.
JUN 17	11 22 18.5	7.137 S	122.589 E	587 D	6.6		1.2	476	FLORES SEA. Mw 7.7 (GS), 7.9 (HRV). Me 7.9 (GS). Es=1.8*10**16 Nm (GS). Mo=4.7*10**20 Nm (GS). Mo=7.3*10**20 Nm (HRV). Mo=5.6*10**20 Nm (PPT). Some damage at Kupang, Indonesia. Felt at Larantuka and Maumere, Indonesia. Also felt at Putatan, Malaysia.
JUN 21	13 57 10.0	51.568 N	159.119 E	20 G	6.0	6.6	1.1	350	OFF EAST COAST OF KAMCHATKA. Mw 6.7 (GS), 6.8 (HRV), 7.0 (OBN). Me 6.5 (GS). Ms 6.5 (BRK). Es=1.1*10**14 Nm (GS). Mo=1.1*10**19 Nm (GS). Mo=1.5*10**19 Nm (HRV). Mo=4.0*10**19 Nm (OBN). Mo=2.4*10**19 Nm (PPT). Felt (IV) in the Petropavlovsk-Kamchatskiy area.
JUL 15	00 13 28.6	46.015 N	5.977 E	5 G	4.5	4.5	1.2	111	FRANCE. mbLg 4.3 (MDD). One person slightly injured and minor damage (VI) at Cruseilles. Felt strongly at Annecy. Also felt at Lyon. Widely felt in the French Alps and southwestern Switzerland.
JUL 15	21 23 34.0	17.600 N	100.965 W	18 G	5.7	6.5	1.2	165	GUERRERO, MEXICO. Mw 6.8 (GS), 6.6 (HRV). Me 6.1 (GS). Ms 6.4 (BRK). Es=3.3*10**13 Nm (GS). Mo=1.7*10**19 Nm (GS). Mo=9.9*10**18 Nm (HRV). Felt strongly at Acapulco, Ixtapa and Mexico City. Also felt in Oaxaca.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
JUL 16	03 48 28.3	56.084 N	164.998 E	33 N	5.8	6.4	1.2	205	KOMANDORSKY ISLANDS REGION. Mw 6.5 (GS), 6.5 (HRV), 6.6 (OBN). Me 6.8 (GS). Es=3.2*10**14 Nm (GS). Mo=5.4*10**18 Nm (GS). Mo=7.2*10**18 Nm (HRV). Mo=9.3*10**18 Nm (OBN). Mo=1.2*10**19 Nm (PPT).
JUL 16	10 07 36.6	1.016 N	120.254 E	33 N	6.0	6.4	1.0	145	MINAHASSA PENINSULA, SULAWESI. Mw 6.6 (GS), 6.6 (HRV). Me 6.4 (GS). Ms 6.4 (BRK). Es=1.0*10**14 Nm (GS). Mo=8.9*10**18 Nm (GS). Mo=8.4*10**18 Nm (HRV). Some damage in Tolitoli area. Felt widely in northwestern Sulawesi.
JUL 22	14 19 35.7	1.000 N	120.450 E	33 N	6.0	6.9	1.2	214	MINAHASSA PENINSULA, SULAWESI. Mw 7.0 (GS), 7.0 (HRV). Me 6.6 (GS). Ms 6.9 (BRK). Es=1.6*10**14 Nm (GS). Mo=3.2*10**19 Nm (GS). Mo=3.6*10**19 Nm (HRV). Mo=3.7*10**19 Nm (PPT). Some damage (VIII) in the Tolitoli area. Felt (V) in the Palu area.
JUL 23	03 32 12.6	26.753 S	177.199 W	33 N	5.8	6.4	1.1	208	SOUTH OF FIJI ISLANDS. Mw 6.3 (GS), 6.5 (HRV). Me 6.7 (GS). Ms 6.4 (BRK). Es=2.6*10**14 Nm (GS) Mo=3.0*10**18 Nm (GS). Mo=5.9*10**18 Nm (HRV). Mo=1.1*10**19 Nm (PPT). Felt (III) on Raoul, Kermadek Islands.
JUL 29	01 48 57.8	41.824 N	88.420 E	0 G	4.9		0.7	97	SOUTHERN XINJIANG, CHINA. Probable underground nuclear explosion.
AUG 02	12 55 29.3	10.769 S	161.445 E	33 N	6.2	7.1	1.1	271	SOLOMON ISLANDS. Mw 6.8 (GS), 6.9 (HRV). Me 6.8 (GS). Ms 7.1 (BRK). Es=4.1*10**14 Nm (GS). Mo=1.6*10**19 Nm (GS). Mo=2.8*10**19 Nm (HRV). Mo=4.3*10**19 Nm (PPT). Felt (IV) at Honiara.
AUG 05	02 08 58.2	15.267 S	173.126 W	41 G	6.0	6.7	1.4	319	TONGA ISLANDS. Mw 6.6 (GS), 6.7 (HRV). Me 6.0 (GS). Ms 6.8 (BRK). Es=2.3*10**13 Nm (GS). Mo=1.0*10**19 Nm (GS). Mo=1.1*10**19 Nm (HRV). Mo=1.2*10**19 Nm (PPT). Felt (III) at Apia, Western Samoa.
AUG 05	22 38 22.0	20.690 S	178.310 W	550 D	6.4		0.9	508	FIJI ISLANDS REGION. Mw 7.3 (GS), 7.4 (HRV). Me 7.0 (GS). mb 6.8 (BRK). Es=7.4*10**14 Nm (GS). Mo=9.7*10**19 Nm (GS). Mo=1.4*10**20 Nm (HRV). Mo=1.5*10**20 Nm (PPT). Felt (II) on Raoul, Kermadec Islands.
AUG 10	18 12 17.3	38.909 N	140.530 E	10 G	6.0	5.7	0.9	369	EASTERN HONSHU, JAPAN. Mw 6.0 (GS), 6.0 (HRV). Me 5.9 (GS). Ms 5.5 (BRK). Es=1.7*10**13 Nm (GS). Mo=1.0*10**18 Nm (GS). Mo=9.5*10**17 Nm (HRV). Six people injured in north-eastern Yamagata Prefecture. Four people injured and fifteen houses damaged in Miyagi Prefecture. Felt (V JMA) in the Kurikoma area, (IV JMA) at Shinjo and (III JMA) at Ichinoseki and Oga.
AUG 14	01 55 02.5	40.754 N	35.340 E	10 G	5.3	5.6	1.1	316	TURKEY. Mw 5.8 (GS), 5.7 (HRV). Ms 5.6 (BRK). Mo=6.6*10**17 Nm (GS). Mo=4.6*10**17 Nm (HRV). Nine people injured by a landslide at Oymaagac. Some damage in Amasya. Felt strongly in Cankiri, Kastamonu, Samsun, Sivas and Tokat.
AUG 25	14 09 03.2	1.084 S	78.674 W	51	5.1	4.2	0.8	158	ECUADOR. Mw 5.5 (HRV). Mo=1.8*10**17 Nm (HRV). Two people injured and several houses destroyed in the Ambato area. Also felt at Latacunga and Pelileo.
SEP 05	08 14 14.4	22.118 S	113.436 W	10 G	6.2	7.0	1.1	360	EASTER ISLAND REGION. Mw 6.7 (GS), 6.9 (HRV). Me 6.4 (GS). Ms 7.0 (BRK). Es=9.8*10**13 Nm (GS). Mo=1.4*10**19 Nm (GS). Mo=2.2*10**19 Nm (HRV). Mo=1.7*10**19 Nm (PPT). Local tsunami generated with maximum recorded wave heights (peak-to-trough) of 18 cm on Easter Island.
SEP 05	20 44 09.2	42.803 N	17.936 E	10 G	5.6	6.0	1.3	360	ADRIATIC SEA. Mw 5.7 (GS), 6.0 (HRV). Me 5.7 (GS). Ms 6.1 (BRK). Es=8.2*10**12 Nm (GS). Mo=3.4*10**17 Nm (GS). Mo=1.2*10**18 Nm (HRV). Several people injured, 2,000 left homeless and extensive damage (VIII) in the Ston-Slano area, Croatia. Felt (VI) at Herceg-Novi, Kotor and Tivat; (V) at Bar, Budva, Niksic and Podgorica, Yugoslavia. Felt (V) in the Shkoder area, Albania and (IV) at Skopje, former Yugoslav Republic of Macedonia. Felt in many parts of Bosnia and Herzegovina, Croatia and Yugoslavia.
SEP 05	23 42 06.1	21.898 N	121.498 E	20 G	6.4	6.6	1.0	372	TAIWAN REGION. Mw 6.6 (GS), 6.8 (HRV). Me 6.9 (GS). Ms 6.4 (BRK). Es=4.9*10**14 Nm (GS). Mo=1.1*10**19 Nm (GS). Mo=1.9*10**19 Nm (HRV). Mo=4.5*10**19 Nm (PPT). Felt on Taiwan. Also felt (III RF) at Pasuquin, Luzon, Philippines.
SEP 20	04 10 27.6	9.463 N	126.284 E	33 N	5.8	6.4	1.1	199	MINDANAO, PHILIPPINE ISLANDS. Mw 6.5 (GS), 6.6 (HRV). Me 5.9 (GS). Ms 6.4 (BRK). Es=1.6*10**13 Nm (GS). Mo=5.4*10**18 Nm (GS). Mo=7.5*10**18 Nm (HRV). Mo=1.3*10**19 Nm (PPT). Felt at Butuan and Surigao. Also felt on Leyte.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
OCT 09	13 10 52.1	34.556 N	32.126 E	33 N	6.4	6.8	1.0	482	CYPRUS REGION. Mw 6.8 (GS), 6.8 (HRV). Me 6.9 (GS). Ms 6.9 (BRK). Es=4.5*10**14 Nm (GS). Mo=1.7*10**19 Nm (GS). Mo=1.9*10**19 Nm (HRV). Mo=5.2*10**19 Nm (PPT). One person died of a heart attack and twenty others injured on Cyprus. One person killed in Egypt. Felt in Egypt, Israel, Jordan, Lebanon and Syria.
OCT 14	23 26 20.0	7.133 S	155.568 E	24 G	5.9	6.9	1.1	263	SOLOMON ISLANDS. Mw 6.6 (GS), 6.8 (HRV). Me 6.3 (GS). Ms 6.9 (BRK). Es=7.0*10**13 Nm (GS). Mo=9.8*10**18 Nm (GS). Mo=1.7*10**19 Nm (HRV). Mo=1.3*10**19 Nm (PPT). Felt strongly on the Shortland Islands and on the western Solomon Islands.
OCT 18	10 50 20.8	30.568 N	131.093 E	10 G	6.0	6.6	1.2	308	KYUSHU, JAPAN. Mw 6.6 (GS), 6.6 (HRV). Me 6.3 (GS). Ms 6.3 (BRK). Es=7.1*10**13 Nm (GS). Mo=8.1*10**18 Nm (GS). Mo=1.0*10**19 Nm (HRV). Mo=1.7*10**19 Nm (PPT). Felt (IV JMA) in eastern Kagoshima Prefecture; (III JMA) in Miyazaki and western Kagoshima Prefectures. Also felt (III JMA) on Tanega-shima. Local tsunami generated with wave heights up to 17 cm recorded on Tanega-shima.
OCT 19	14 44 40.7	31.885 N	131.468 E	22 G	6.3	6.6	1.0	396	KYUSHU, JAPAN. Mw 6.6 (GS), 6.7 (HRV), 7.0 (OBN). Me 6.6 (GS). Ms 6.4 (BRK). Es=2.1*10**14 Nm (GS). Mo=1.0*10**19 Nm (GS). Mo=1.4*10**19 Nm (HRV). Mo=4.0*10**19 Nm (OBN). Mo=2.1*10**19 Nm (PPT). Some damage (V JMA) at Kanoya and Miyazaki. Felt (IV JMA) at Kumamoto, Kurume and Oita. Tsunami generated with recorded wave heights of 110 cm at Miyazaki, 40 cm at Nichinan and 14 cm on Tanega-shima. Minor tsunami also observed on Shikoku.
OCT 19	14 53 48.7	20.412 S	178.510 W	591 D	6.1		0.8	558	FIJI ISLANDS REGION. Mw 6.9 (GS), 6.9 (HRV). Me 6.7 (GS). Es=2.6*10**14 Nm (GS). Mo=2.4*10**19 Nm (GS). Mo=2.6*10**19 Nm (HRV). Mo=3.5*10**19 Nm (PPT).
OCT 24	19 31 53.9	66.986 N	173.229 W	20 G	6.0	5.9	1.0	411	NEAR N. COAST OF EASTERN SIBERIA. Mw 6.0 (GS), 6.1 (HRV), 6.1 (OBN). Me 6.0 (GS). Ms 5.7 (BRK). Es=2.2*10**13 Nm (GS). Mo=1.2*10**18 Nm (GS). Mo=1.5*10**18 Nm (HRV). Mo=1.8*10**18 Nm (OBN). Mo=2.2*10**18 Nm (PPT). Felt (III) at Egvekinot and Provideniya.
NOV 05	09 41 34.7	31.160 S	179.998 E	369 D	5.9		1.0	356	KERMADEC ISLANDS REGION. Mw 6.8 (GS), 6.8 (HRV). Me 6.3 (GS). Es=6.6*10**13 Nm (GS). Mo=1.7*10**19 Nm (GS). Mo=1.5*10**19 Nm (HRV). Mo=2.7*10**19 Nm (PPT).
NOV 06	20 00 58.8	27.999 N	143.538 E	9 G	6.4	6.5	0.8	388	BONIN ISLANDS REGION. Mw 6.3 (GS), 6.6 (HRV). Me 6.6 (GS). Ms 6.5 (BRK). Es=2.1*10**14 Nm (GS). Mo=3.6*10**18 Nm (GS). Mo=7.9*10**18 Nm (HRV). Mo=1.3*10**19 Nm (PPT).
NOV 12	16 59 44.0	14.993 S	75.675 W	33 N	6.5	7.3	1.1	365	NEAR COAST OF PERU. Mw 7.5 (GS), 7.7 (HRV). Me 7.3 (GS). Ms 7.0 (BRK). Es=2.2*10**15 Nm (GS). Mo=2.0*10**20 Nm (GS). Mo=4.6*10**20 Nm (HRV). Mo=7.7*10**20 Nm (PPT). At least 14 people killed, 560 injured and 12,000 homeless from Chincha Alta to Acari. Over 4,000 houses damaged or destroyed (VIII) at Nazca. Felt (VII) in the Marcona area; (VI at Ica and Palpa; (IV) at Arequipa and Camana; (III) at Lima and Tacna; (II) at Huancayo and Pucallpa. Felt by people in high-rise buildings at Guayaquil, Ecuador and La Paz, Bolivia. Tsunami generated with maximum recorded wave heights (peak-to-trough) of 25 cm at Callao, Peru; 35 cm at Arica and 21 cm at Caldera, Chile. This thrust earthquake is associated with the subduction of the Nazca Ridge (a major feature of the Nazca plate) beneath the South American plate. Complex earthquake with at least two larger events occurring about 18 and 30 seconds after the onset. It originated near the southern end of a seismic gap between the large Peruvian earthquakes of August 24, 1942 and October 3, 1974, with the aftershock sequence progressing southward into the zone of the 1942 event.
NOV 19	10 44 46.0	35.345 N	78.133 E	33 N	6.1	7.1	1.1	339	EASTERN KASHMIR. Mw 6.9 (GS), 6.9 (HRV), 6.8 (OBN). Me 7.1 (GS). Ms 6.9 (BRK). Es=1.1*10**15 Nm (GS). Mo=2.5*10**19 Nm (GS). Mo=2.4*10**19 Nm (HRV). Mo=1.9*10**19 Nm (OBN). Mo=2.5*10**19 Nm (PPT). Complex earthquake with two events occurring about 6 seconds apart. Felt at Hotan, Shule, Wushi and Yecheng, China.
DEC 02	22 17 59.2	31.789 N	131.314 E	49	6.0	6.6	1.0	332	KYUSHU, JAPAN. Mw 6.7 (GS), 6.8 (HRV), 6.9 (OBN). Me 6.3 (GS). Es=2.2*10**13 Nm (GS). Mo=1.1*10**19 Nm (GS). Mo=1.2*10**19 Nm (HRV). Mo=2.6*10**19 Nm (OBN). Mo=1.7*10**19 Nm (PPT). Felt (V JMA) in southern Miyazaki Prefecture. Felt from Fukuoka to Kagoshima. Local tsunami observed with maximum recorded wave heights (peak-to-trough) of 21 cm in the Nichinan-Aburatsu area and 4 cm in the Hyuga-Hososhima area.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
DEC 10	08 36 18.7	0.870 N	30.039 W	10 G	6.0	6.2	0.9	209	CENTRAL MID-ATLANTIC RIDGE. Mw 6.6 (GS), 6.7 (HRV). Me 7.0 (GS). Ms 6.1 (BRK). Es=6.6*10**14 Nm (GS). Mo=8.6*10**18 Nm (GS). Mo=1.1*10**19 Nm (HRV). Mo=1.8*10**19 Nm (PPT). Two events about 3.5 seconds apart. Depth based on first event.
DEC 22	14 53 27.6	43.207 N	138.920 E	227 D	6.0		0.9	442	EASTERN SEA OF JAPAN. Mw 6.5 (GS), 6.5 (HRV). Me 6.5 (GS). mb 6.3 (BRK). Es=1.2*10**14 Nm (GS). Mo=6.6*10**18 Nm (GS). Mo=6.8*10**18 Nm (HRV).

Compiled by Waverly J. Person

Corrections to Previous Monthly Listings

1. Delete event at 05:20:58.6 UTC on August 13, 1994. Data belong to event at 05:20:58.9 UTC on August 14.

2. Event in Hokkaido, Japan Region at 19:05:24.8 UTC on August 28, 1994, has been relocated to East of Kuril Islands at 19:05:09 UTC, by ISC.

3. Delete event at 19:14:23.5 UTC on September 20, 1994. Data belong to event at 19:13:55.5 UTC, located by ISC.

4. Event in Southeast Asia at 04:02:50.6 UTC on September 23, 1994, has been relocated to Myanmar at 04:03:44.0 UTC, by ISC.

5. Event in India-Bangladesh Border Region at 16:46:06.4 UTC on September 28, 1994, has been relocated to the Java Sea at 16:39:51.6 UTC.

6. Delete event at 02:55:53.1 UTC on September 29, 1994. Data belong to event at 02:56:16.5 UTC on September 30.

7. Delete event at 02:57:16.3 UTC on September 30, 1994. Data belong to event at 02:56:16.5 UTC.

8. Delete event at 16:44:31.7 UTC on October 1, 1994. Data belong to event at 16:35:20.7 UTC.

9. Delete event at 02:13:24.2 UTC on October 7, 1994. Data belong to event at 02:13:03 UTC, located by ISC.

10. Delete event at 21:55:34.7 UTC on October 8, 1994. Data belong to event at 21:44:07.2 UTC.

11. Delete event at 07:52:16.7 UTC on October 20, 1994. Data belong to event at 07:52:24.7 UTC, located by ISC.

12. Event in Sea of Okhotsk at 16:09:44.7 UTC on November 4, 1994, has been relocated to Kuril Islands at 16:09:13 UTC, by ISC.

13. Delete event at 14:41:23.0 UTC on November 9, 1994. Data belong to events at 14:40:50.1 UTC and 14:41:41.9 UTC.

14. Delete event at 12:36:21.3 UTC on November 11, 1994.

15. Delete event at 12:43:48.5 UTC on November 11, 1994.

16. Delete event at 13:30:10.2 UTC on November 11, 1994.

17. Delete event at 16:05:48.2 UTC on November 11, 1994.

18. Delete event at 03:15:16.9 UTC on December 28, 1994. Data belong to event at 03:15:35.7 UTC.

19. Delete event at 00:47:02.8 UTC on January 1, 1995. Data belong to event at 00:47:02.0 UTC on January 4.

20. Delete misassociated phase readings from EDR: Pdiff from stations ULM and SCHQ and P from ACX for event at 06:39:26.2 UTC on February 6, 1995.

21. Delete event at 06:24:31.4 UTC on March 6, 1995. Data belong to event at 06:23:42.0 UTC. The three closest stations (FBA, PMR and TOA) are secondary phases (PKP) for event at 06:11:39.0 UTC.

22. Event in Halmahera, Indonesia at 13:26:55.1 UTC on March 9, 1995, has been relocated to Minahassa Peninsula, Sulawesi at 13:26:36 UTC, by ISC.

23. Delete event at 17:16:19.1 UTC on March 26, 1995. Data belong to event at 17:13:15.8 UTC.

24. Delete event at 04:15:06.6 UTC on March 30, 1995. Data belong to event at 04:15:08.7 UTC on March 31.

25. Delete event at 08:02:53.9 UTC on April 24, 1995. Data belong to event at 08:02:56.6 UTC on April 21.

26. For event at 01:45:43.2 UTC on February 18, 1996, please remove the felt comment "as far east as Briancon". This information is supplied by Pierre Stahl.

27. Please add the felt comment "Felt (IV) at Briancon and soutwestern Switzerland" to event at 04:16:32.9 UTC on February 18, 1996. This information is supplied by Pierre Stahl.

28. Please remove the felt comment "Felt at Ojai" from event at 11:51:32.1 UTC on October 25, 1996.

The corrections shown above (except for numbers 26, 27 & 28) are based on information supplied by R.J. Mittag, W.P. Richardson and D.A. Storchak from the International Seismological Centre.

EXPLANATION OF ABBREVIATIONS AND SYMBOLS APPEARING IN THIS PUBLICATION

Abbreviations in Heading

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

Symbols and Abbreviations Used in Comments

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

Roman Numerals Used to indicate intensity (when not followed by RF or JMA they refer to the Modified Mercalli Scale or any 12-point intensity scale closely related to it).

` ' " Geographic degrees, minutes, seconds.
-P Supplied hypocenter is a preliminary computation.

Any additional 3 to 5 letter codes enclosed in parentheses or angle brackets refer to individual station codes. These codes may be found in Geological Survey Open File Report 85-714, Seismograph Station Codes and Coordinates (1985). Addenda to OF 85-714 are printed at the end of the Earthquake Data Report for this month.

Symbols Following Depth

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

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

G Indicates the depth was restrained by a geophysicist.

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

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

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

Symbols Following Origin Time

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

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

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

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

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

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

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

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

TRAVEL-TIME TABLES

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

MACROSEISMIC INFORMATION

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

GEOGRAPHIC REGIONS

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

DEPTHS FROM BROADBAND DISPLACEMENT SEISMOGRAMS

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

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

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

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

BROADBAND FAULT PLANE SOLUTIONS

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

FOCAL MECHANISM MAPS

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

NEIS MAGNITUDES

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

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

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

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

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

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

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

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

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

where:

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

T is the period in seconds.

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

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

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

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

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

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

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

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

$$mbLg = 3.75 + 0.90 \text{ Log } D + \text{Log } (A/T) \text{ for } 1° \leq D \leq 4°$$

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

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

ML These local magnitudes are computed according to the formula:

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

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

CONTRIBUTED MAGNITUDES

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

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

REFERENCES

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

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

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

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

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

USGS RADIATED ENERGY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

4. BEST DOUBLE COUPLE: If the eigenvalue (T) is σ_1 and (P) is $-\sigma_2$, then the scalar seismic moment is defined as $Mo = 1/2(\sigma_1 + \sigma_2)$. The strike, dip and slip of the first (NP1) and second (NP2) nodal planes are calculated from the directions of the P, T, and N axes. The remainder is a linear-vector dipole; in most cases the magnitude of LVD is small. Although all such decompositions are highly non-unique, this particular one is the best in estimating the starting solution for the non-linear, constrained double couple inverse problem. The strike, dip, and slip angles are defined using the convention of Aki and Richards (1980, p. 106) and are the angles designated there as ϕ_S, δ, λ, respectively.

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

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

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OTHER SEISMIC MOMENTS

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

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PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

FEBRUARY 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	37	14.3?	37.54	N	20.23	E	10 G			1.0	8	IONIAN SEA
01	01	05	53.3	42.588	N	33.694	E	33 N	4.0		1.1	39	BLACK SEA. MD 3.7 (ISK).
01	01	20	54.4	50.332	N	176.036	W	33 N	4.7	4.2	1.0	68	ANDREANOF ISLANDS, ALEUTIAN IS.
01	02	50	15.8*	57.351	S	25.444	W	33 N	4.7		0.7	13	SOUTH SANDWICH ISLANDS REGION
01	03	30	06.4?	23.05	S	111.06	W	10 G	4.4		1.1	5	EASTER ISLAND REGION
01	04	26	18.2?	32.15	S	70.59	W	90 G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
01	05	05	12.7&	59.212	N	152.180	W	64				43	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
01	05	12	59.7*	34.540	N	78.708	E	33 N	3.5		1.2	10	KASHMIR-XIZANG BORDER REGION
01	05	26	16.2&	33.872	S	70.321	W	110 G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
01	05	55	12.6?	27.90	N	85.01	E	10 G			0.6	7	NEPAL. Felt at Kathmandu.
01	06	57	01.5	8.971	S	124.152	E	33 N	4.7		1.1	24	TIMOR REGION, INDONESIA
01	08	17	48.9*	9.966	N	127.171	E	33 N	4.2		1.4	13	PHILIPPINE ISLANDS REGION
01	08	22	28.0&	62.760	N	150.259	W	84	2.8			101	CENTRAL ALASKA. <AEIC>.
01	08	46	44.8*	34.374	N	36.773	W	10 G			1.1	9	NORTHERN MID-ATLANTIC RIDGE
01	09	35	44.7&	61.580	N	152.275	W	120				45	SOUTHERN ALASKA. <AEIC>.
01	09	36	03.6?	27.80	N	100.53	E	33 N			0.8	6	YUNNAN, CHINA. ML 3.6 (BJI).
01	10	08	22.4*	43.443	N	146.267	E	95 ?	3.8		0.5	13	KURIL ISLANDS
01	10	11	37.3*	57.909	S	25.536	W	54 D	4.4		1.0	17	SOUTH SANDWICH ISLANDS REGION
01	10	26	51.1*	17.014	S	178.929	W	500 G	3.8		0.8	11	FIJI ISLANDS REGION
01	10	39	03.9&	40.491	N	29.290	E	10 G			0.6	8	TURKEY. MD 3.4 (ISK).
01	10	45	49.7?	40.29	N	36.53	W	10 G	3.4		0.6	6	NORTH ATLANTIC OCEAN
01	12	22	58.6*	51.537	N	16.236	E	5 G			0.4	9	POLAND. ML 2.3 (CLL).
01	12	59	32.9&	32.703	N	129.958	E	10 G			0.6	6	KYUSHU, JAPAN
01	13	26	42.0?	34.04	S	71.93	W	33 N			0.6	8	NEAR COAST OF CENTRAL CHILE
01	13	58	57.5?	16.87	S	178.44	W	500 G	3.6		1.4	9	FIJI ISLANDS REGION
01	14	01	57.3	47.633	N	7.300	E	10 G			1.2	70	SWITZERLAND. ML 3.7 (LDG), 3.6 (STR), 3.6 (GRF), 3.5 (FUR), 3.4 (VIE).
01	14	02	21.6&	40.432	N	29.365	E	10 G			0.8	6	TURKEY. MD 2.7 (ISK).
01	14	19	39.1&	42.780	N	1.755	W	10 G			1.1	6	PYRENEES. ML 2.2 (LDG).
01	14	55	25.0?	6.42	S	149.83	E	100 G	3.8		1.4	8	NEW BRITAIN REGION, P.N.G.
01	15	06	10.8*	33.595	N	134.339	E	50 *			0.7	8	SHIKOKU, JAPAN
01	15	45	59.5?	23.40	S	170.67	E	33 N			1.4	7	LOYALTY ISLANDS REGION
01	16	04	29.6?	22.29	S	168.86	E	33 N			1.2	7	NEW CALEDONIA
01	16	09	57.3?	22.80	S	170.63	E	33 N			1.4	7	LOYALTY ISLANDS REGION
01	16	16	01.6*	51.095	N	15.768	E	10 G			1.1	6	POLAND. ML 2.1 (CLL).
01	16	20	15.7	44.030	N	7.691	E	10 G			0.6	17	NORTHERN ITALY. ML 2.2 (LDG), 2.2 (GEN).
01	18	10	08.6	14.430	N	147.195	E	33 N	3.4		0.7	15	MARIANA ISLANDS REGION
01	18	31	56.2*	34.316	N	141.458	E	33 N			0.6	10	OFF EAST COAST OF HONSHU, JAPAN
01	18	34	37.1	19.837	S	173.819	W	33 N	5.1	5.3	1.1	77	TONGA ISLANDS. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:34:39.1; Lat 20.05 S; Lon 173.02 W; Dep 15.0 Bdy; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=2.86, Plg=60, Azm=305; (N) Val=-0.05, Plg=6, Azm=203; (P) Val=-2.81, Plg=29, Azm=110; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=182, Dip=17, Slip=67; NP2: Strike=25, Dip=75, Slip=97.
01	18	53	49.9?	2.79	N	129.04	E	33 N	3.9		1.3	6	HALMAHERA, INDONESIA
01	21	33	00.9?	38.20	S	93.35	W	10 G	4.6		1.2	10	WEST CHILE RISE
01	21	52	12.6?	34.43	S	70.45	W	120 G			0.2	9	CHILE-ARGENTINA BORDER REGION
01	22	38	32.0*	38.626	N	26.325	E	10 G			0.4	9	AEGEAN SEA. MD 3.6 (ISK).
01	22	55	38.1&	37.199	N	3.719	W	5 G			0.4	9	SPAIN. mbLg 2.5 (MDD).
01	23	44	14.4*	2.225	N	80.463	W	33 N	4.4		0.9	10	SOUTH OF PANAMA
01	23	48	26.6	38.069	N	23.994	E	33 N	3.9		1.2	30	GREECE. MD 3.7 (ISK).
02	00	19	15.4&	32.622	N	115.918	W	13				23	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. MD 3.5 (PAS). Felt in the El Centro area, California.
02	01	27	54.5?	35.10	N	138.89	E	33 N			0.6	5	EASTERN HONSHU, JAPAN
02	01	46	11.0*	30.559	N	138.557	E	426		3.6	0.7	16	SOUTH OF HONSHU, JAPAN
02	02	20	20.3&	36.192	N	120.293	W	9				32	CENTRAL CALIFORNIA. <GM-P>. Mw 4.0 (BRK). MD 3.9 (GM), 3.9 (PAS). ML 4.1 (BRK), 4.0 (GS). Scalar Moment (BRK): Mo=1.1*10**15 Nm.
02	02	25	47.6?	29.28	N	114.61	W	5 G			1.2	9	BAJA CALIFORNIA, MEXICO

02	03	05	12.7	33.135	S	70.155	W	102	D			0.8	24	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
02	04	09	03.2*	44.742	N	148.035	E	68	*	4.4		0.9	48	KURIL ISLANDS
02	04	12	43.4*	6.879	S	127.559	E	100	G	4.6		1.1	17	BANDA SEA
02	04	56	09.4	0.007	S	123.633	E	150	G	4.9		1.0	101	MINAHASSA PENINSULA, SULAWESI
02	05	16	11.5&	36.939	N	4.809	W	10	G			1.2	15	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD). Felt (II) in the Ardales area, Spain.
02	05	37	50.2?	32.62	S	71.70	W	20	G			0.4	8	NEAR COAST OF CENTRAL CHILE
02	06	28	11.8?	2.50	S	140.40	E	33	N	3.6		0.6	7	NEAR NORTH COAST OF IRIAN JAYA
02	08	07	08.2*	33.695	N	140.045	E	117	*			1.2	18	SOUTH OF HONSHU, JAPAN
02	08	58	07.9?	24.30	S	179.56	E	650	G	3.8		0.3	7	SOUTH OF FIJI ISLANDS
02	08	58	48.9?	36.50	S	177.62	E	150	G	4.8		0.7	12	OFF E. COAST OF N. ISLAND, N.Z.
02	09	42	53.9*	2.091	S	132.643	E	33	N	4.4		1.4	17	IRIAN JAYA REGION, INDONESIA
02	11	06	53.5?	32.47	S	71.90	W	20	G			0.3	9	NEAR COAST OF CENTRAL CHILE
02	12	01	46.4*	17.071	N	147.314	E	49	D	3.9		1.0	13	MARIANA ISLANDS REGION
02	12	37	33.0?	16.24	N	144.97	E	33	N			1.0	7	MARIANA ISLANDS REGION
02	12	45	56.4*	0.938	S	136.725	E	33	N	3.9		0.6	10	IRIAN JAYA REGION, INDONESIA
02	13	13	11.5*	36.875	N	98.632	E	19	D			1.2	16	QINGHAI, CHINA. ML 3.8 (BJI).
02	13	21	54.2?	1.62	S	136.79	E	33	N	3.6		0.7	6	IRIAN JAYA REGION, INDONESIA
02	13	30	01.2*	30.285	S	178.634	W	155	D	4.1		0.5	11	KERMADEC ISLANDS, NEW ZEALAND
02	13	36	04.9?	20.95	S	168.49	E	24	D			0.9	11	LOYALTY ISLANDS
02	13	45	07.6&	42.799	N	7.199	W	10	G			0.7	10	SPAIN. mbLg 3.9 (MDD).
02	14	30	05.9	25.312	N	96.522	E	63	*	3.8		0.8	18	MYANMAR
02	15	07	52.0&	30.423	N	131.273	E	33	N			0.2	6	KYUSHU, JAPAN
02	15	28	07.9*	30.244	S	179.878	W	550	G	4.6		0.9	20	KERMADEC ISLANDS REGION
02	16	22	47.3*	23.931	S	66.597	W	196	*	4.3		0.9	20	JUJUY PROVINCE, ARGENTINA
02	17	10	51.7?	0.94	S	137.51	E	33	N	3.8		0.7	6	IRIAN JAYA REGION, INDONESIA
02	17	18	17.2*	5.214	N	126.692	E	127	*	4.1		0.8	9	MINDANAO, PHILIPPINE ISLANDS
02	18	19	30.0?	17.82	S	177.01	W	33	N	4.6		1.0	10	FIJI ISLANDS REGION
02	18	24	05.3?	36.20	N	28.91	E	10	G	3.8		1.0	16	DODECANESE ISLANDS. MD 3.6 (ISK).
02	18	28	15.0*	5.177	S	146.174	E	53	*			1.1	7	EASTERN NEW GUINEA REG., P.N.G.
02	18	48	42.4*	37.655	N	134.346	E	413	*	3.0		1.0	15	SEA OF JAPAN
02	19	21	30.9*	7.006	N	126.971	E	50	?	4.6		1.1	27	MINDANAO, PHILIPPINE ISLANDS
02	20	14	40.9&	47.818	N	114.220	W	5					12	MONTANA. <BUT-P>. MD 3.6 (BUT). Felt at Rollins, Dayton and along the shore of Big Arm Bay, Flathead Lake. Also felt along the east shore of Flathead Lake about 5 km north of Yellow Bay.
02	20	28	08.3	30.492	N	131.308	E	61	D	4.3		1.2	32	KYUSHU, JAPAN
02	20	32	59.8?	36.15	N	26.83	E	10	G	3.5		0.6	6	DODECANESE ISLANDS
02	20	42	12.4*	0.721	S	134.874	E	78	D	4.1		1.2	14	IRIAN JAYA REGION, INDONESIA
02	21	08	52.0	0.574	S	131.552	E	33	N	4.8		1.0	23	IRIAN JAYA REGION, INDONESIA
02	21	16	28.5?	31.06	S	69.61	W	190	G			0.4	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (SAN).
02	21	37	51.2&	33.464	S	70.378	W	100	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
02	22	16	27.8&	37.119	N	3.723	W	10	G			0.8	7	SPAIN. mbLg 2.7 (MDD).
02	22	57	27.9*	41.801	N	142.373	E	33	N	3.4		1.0	8	HOKKAIDO, JAPAN REGION
02	22	57	37.1?	29.90	S	179.74	E	600	G	4.1		1.2	8	KERMADEC ISLANDS REGION
02	23	10	59.3?	38.58	N	25.92	E	10	G			0.6	5	AEGEAN SEA. MD 3.3 (ISK).
02	23	37	04.0*	6.935	S	128.088	E	100	G	4.5		1.4	11	BANDA SEA
02	23	52	02.1&	33.487	N	116.778	W	8					18	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.8 (PAS).
03	00	43	05.6*	27.976	N	85.049	E	18	D	3.9		1.1	11	NEPAL. Felt strongly in the epicentral area and at Kathmandu.
03	01	23	46.6&	32.459	S	70.467	W	5	G			0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
03	01	56	24.0?	36.51	N	141.83	E	10	G			0.5	5	NEAR EAST COAST OF HONSHU, JAPAN
03	02	43	59.3*	19.160	N	121.409	E	33	N	4.0		1.4	8	PHILIPPINE ISLANDS REGION
03	02	59	50.4&	47.783	N	114.223	W	1					6	MONTANA. <BUT-P>. MD 2.9 (BUT). Felt at Rollins.
03	03	28	40.0	43.290	N	0.918	W	5	G			0.8	19	PYRENEES. mbLg 2.8 (MDD). ML 2.6 (LDG).
03	04	55	42.3&	20.128	N	155.765	W	23					6	HAWAII. <HVO-P>. MD 3.5 (HVO). Felt at Captain Cook, Hawaiian Ocean View Estates, Hawi and Kona Palisades. Also felt in the Hamakua District.
03	05	09	12.0	80.131	N	0.548	E	10	G	4.7	4.3	1.1	60	NORTH OF SVALBARD
03	05	11	59.9*	18.510	S	168.775	E	300	G	4.4		1.0	27	VANUATU ISLANDS
03	05	16	07.9&	34.047	N	116.396	W	1					26	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.0 (PAS). Felt in the Yucca Valley area.
03	05	57	53.8	31.162	N	141.903	E	33	N	4.2		1.2	27	SOUTH OF HONSHU, JAPAN
03	06	37	37.3?	5.56	S	147.49	E	200	G	4.5		0.9	8	EASTERN NEW GUINEA REG., P.N.G.
03	06	46	30.9?	7.20	N	72.24	W	33	N	4.0		0.9	8	NORTHERN COLOMBIA
03	06	58	01.6?	32.86	S	70.20	W	100	G			0.3	7	CHILE-ARGENTINA BORDER REGION
03	07	25	06.7*	21.398	S	177.994	W	372	*	3.8		0.9	18	FIJI ISLANDS REGION
03	07	51	18.6?	39.14	N	26.54	E	10	G			0.3	5	TURKEY. MD 3.2 (ISK).
03	07	53	24.2	50.812	N	155.382	E	158	D	5.1		0.9	178	KURIL ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:53:29.5; Lat 50.66 N; Lon 155.72 E; Dep 169.2; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.14, Plg=33, Azm=126; (N) Val=0.08, Plg=11, Azm=28; (P) Val=-1.22, Plg=55, Azm=282; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=252, Dip=16, Slip=-45; NP2: Strike=26, Dip=78, Slip=-102.
03	08	56	08.0?	4.00	S	128.23	E	33	N	3.8		1.2	8	BANDA SEA
03	08	57	43.4*	27.802	N	143.815	E	33	N	4.0		0.9	10	BONIN ISLANDS REGION
03	09	34	09.8&	33.599	S	71.589	W	33	N			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
03	09	53	20.4?	32.90	S	70.21	W	110	G			0.8	7	CHILE-ARGENTINA BORDER REGION
03	09	56	19.7&	19.751	N	156.142	W	12					3	HAWAII. <HVO-P>. MD 3.7 (HVO). Felt at Kona Palisades.
03	10	17	58.1&	33.802	S	70.687	W	90	G			0.2	11	CHILE-ARGENTINA BORDER REGION
03	10	31	48.6	59.162	N	144.657	W	10	G	3.1		0.8	34	GULF OF ALASKA. ML 2.9 (AEIC).
03	10	38	13.8*	27.758	N	85.023	E	29	D	3.8		1.2	19	NEPAL
03	10	46	33.7*	5.220	S	146.640	E	33	N	4.4		1.3	21	EASTERN NEW GUINEA REG., P.N.G.
03	11	04	14.3&	34.300	N	118.568	W	2					29	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.2 (PAS). Felt in the San Fernando Valley.
03	11	14	55.8*	36.145	N	141.838	E	33	N	3.1		1.3	11	NEAR EAST COAST OF HONSHU, JAPAN
03	13	19	00.6*	47.170	N	153.920	E	33	N	3.5		0.5	13	KURIL ISLANDS
03	13	29	32.5*	9.701	N	126.280	E	99	*	4.6		1.2	32	MINDANAO, PHILIPPINE ISLANDS
03	14	06	48.1&	33.499	S	70.914	W	80	G			0.5	7	CHILE-ARGENTINA BORDER REGION
03	14	55	58.8&	62.036	N	152.731	W	0					62	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.3 (PMR).
03	15	08	07.3?	35.89	S	53.36	E	10	G	4.3		0.9	7	SOUTHWEST INDIAN RIDGE
03	15	25	04.8?	19.75	S	169.58	E	33	N	4.5		1.0	10	VANUATU ISLANDS

03	15	55	57.6*	11.514	N	86.452	W	33	N	4.2		1.0	31	NEAR COAST OF NICARAGUA
03	17	03	36.2*	19.028	S	174.337	W	33	N	4.8		1.1	32	TONGA ISLANDS
03	17	07	07.2&	33.816	S	70.986	W	70	G			0.5	10	CHILE-ARGENTINA BORDER REGION
03	17	46	09.7&	11.415	N	61.351	W	33	N			0.2	6	WINDWARD ISLANDS. MD 3.1 (TRN). Felt (II) on Trinidad.
03	18	21	56.3*	11.801	N	86.175	W	33	N	4.0		1.0	16	NEAR COAST OF NICARAGUA
03	19	10	56.2&	62.761	N	148.949	W	62					80	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.1 (PMR).
03	19	20	58.2&	42.848	N	0.259	E	5	G			0.8	5	PYRENEES. ML 1.8 (LDG).
03	19	29	07.2*	28.258	S	74.133	E	10	G	4.4		0.6	12	MID-INDIAN RIDGE
03	20	04	32.1*	30.505	S	177.613	W	100	G	4.9		1.1	22	KERMADEC ISLANDS, NEW ZEALAND
03	20	10	07.4	44.603	N	149.668	E	33	N	4.7		1.0	63	KURIL ISLANDS
03	20	53	21.1&	36.949	N	4.418	W	33	N			1.0	9	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
03	21	51	33.3&	40.406	N	125.093	W	9					13	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.5 (BRK), 3.3 (GS).
03	22	09	55.4	42.924	N	7.194	W	23	*			1.2	54	SPAIN. ML 4.1 (STR), 3.9 (LDG). mbLg 3.6 (MDD). Felt (V) in the Sarria-Becerrea area.
03	22	20	25.5?	8.23	S	116.72	E	33	N	3.7		1.4	6	SUMBAWA REGION, INDONESIA
03	23	48	06.0?	7.36	S	129.32	E	150	G	4.3		1.1	7	BANDA SEA
04	00	42	28.1?	0.88	S	131.07	E	33	N	4.2		1.2	9	IRIAN JAYA REGION, INDONESIA
04	01	54	58.2&	39.607	N	75.968	E	33	N			1.2	9	SOUTHERN XINJIANG, CHINA
04	01	55	57.9*	7.209	S	125.703	E	500	G	4.8		1.1	16	BANDA SEA
04	02	41	13.0	38.593	N	24.138	E	33	N	4.4	3.7	1.3	128	AEGEAN SEA. MD 4.2 (ISK).
04	03	02	38.7	17.097	N	147.520	E	38	*	4.6		0.9	30	MARIANA ISLANDS REGION
04	04	00	40.4	29.940	S	178.307	W	153	D	5.0		1.1	68	KERMADEC ISLANDS, NEW ZEALAND
04	05	15	04.5*	25.783	N	143.334	E	52	*	4.3		0.6	17	VOLCANO ISLANDS REGION
04	05	46	12.1*	0.521	S	131.526	E	33	N	4.8		1.2	21	IRIAN JAYA REGION, INDONESIA
04	05	53	48.6*	55.694	N	164.169	E	33	N			0.3	9	KOMANDORSKY ISLANDS REGION
04	06	10	27.8*	7.834	S	115.135	E	204		4.6		1.3	24	BALI SEA
04	06	14	00.8&	33.399	S	70.819	W	80	G			0.7	10	CHILE-ARGENTINA BORDER REGION
04	06	35	15.6*	39.620	N	77.096	E	33	N	3.7		1.1	10	SOUTHERN XINJIANG, CHINA
04	06	41	43.1?	32.39	S	70.99	W	70	G			0.2	8	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
04	06	44	38.5	16.403	N	145.490	E	447		4.2		0.9	46	MARIANA ISLANDS
04	07	43	09.4&	44.707	N	6.789	E	5	G			0.3	6	FRANCE. ML 2.0 (GEN).
04	08	59	55.6?	1.48	N	118.14	E	33	N	4.0		0.5	8	BORNEO
04	09	53	55.7	37.564	N	57.295	E	10	G	5.3	5.5	0.9	256	TURKMENISTAN-IRAN BORDER REGION. Mw 5.5 (GS), 5.5 (HRV). Felt at Bojnurd and in many parts of northeastern Iran. Moment Tensor (GS): Dep 10; Principal axes (scale 10**17 Nm): (T) Val=1.89, Plg=12, Azm=300; (N) Val=0.01, Plg=72, Azm=170; (P) Val=-1.91, Plg=13, Azm=33; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=77, Dip=72, Slip=-1; NP2: Strike=167, Dip=89, Slip=-162. Centroid, Moment Tensor (HRV): Centroid origin time 09:54:00.5; Lat 37.99 N; Lon 57.54 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.75, Plg=28, Azm=297; (N) Val=-0.05, Plg=61, Azm=137; (P) Val=-1.70, Plg=9, Azm=32; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=78, Dip=64, Slip=15; NP2: Strike=342, Dip=77, Slip=153.
04	10	36	59.1&	59.838	N	153.631	W	151					58	SOUTHERN ALASKA. <AEIC>.
04	10	37	47.1	37.661	N	57.291	E	10	G	5.9	6.8	1.1	338	TURKMENISTAN-IRAN BORDER REGION. Mw 6.5 (GS), 6.5 (HRV), 6.4 (OBN). Me 7.1 (GS). About 100 people killed, nearly 2,000 injured, about 5,500 houses destroyed and 11,000 houses damaged in the Bojnurd-Shirvan area, Iran. Damage estimated at more than 30 million U.S. dollars. Felt in many parts of northeastern Iran, including Esfarayen, Mashhad, Neyshabur, Quchan and Sabzevar. Broadband Source Parameters (GS): Dep 8; Radiated energy 1.1*10**15 Nm. Moment Tensor (GS): Dep 11; Principal axes (scale 10**18 Nm): (T) Val=5.71, Plg=4, Azm=98; (N) Val=0.92, Plg=86, Azm=259; (P) Val=-6.63, Plg=1, Azm=8; Best double couple: Mo=6.2*10**18 Nm; NP1: Strike=143, Dip=86, Slip=178; NP2: Strike=233, Dip=88, Slip=4. Centroid, Moment Tensor (HRV): Centroid origin time 10:37:52.5; Lat 37.82 N; Lon 57.50 E; Dep 15.0 Bdy; Half-duration 4.5 sec; Principal axes (scale 10**18 Nm): (T) Val=6.64, Plg=0, Azm=282; (N) Val=0.17, Plg=77, Azm=14; (P) Val=-6.81, Plg=13, Azm=192; Best double couple: Mo=6.7*10**18 Nm; NP1: Strike=328, Dip=81, Slip=-171; NP2: Strike=236, Dip=81, Slip=-9. Moment Tensor (OBN); Principal axes: (T) Plg=15, Azm=108; (N) Plg=74, Azm=315; (P) Plg=7, Azm=200; Best double couple: Mo=5.2*10**18 Nm; NP1: Strike=245, Dip=75, Slip=6; NP2: Strike=154, Dip=85, Slip=164.
04	10	52	37.1?	37.94	N	57.11	E	10	G			1.2	9	TURKMENISTAN-IRAN BORDER REGION
04	11	12	46.3	34.388	N	141.201	E	61	D	4.8		0.8	31	OFF EAST COAST OF HONSHU, JAPAN
04	12	26	38.6&	63.119	N	150.514	W	109		2.1			50	CENTRAL ALASKA. <AEIC>.
04	12	34	56.7*	37.776	N	57.270	E	10	G	4.9		0.6	9	TURKMENISTAN-IRAN BORDER REGION. Felt at Bojnurd, Iran.
04	12	41	13.0*	13.947	S	170.215	E	600	G	4.5		0.6	13	VANUATU ISLANDS REGION
04	13	13	22.8?	13.99	N	94.78	W	33	N	3.5		1.3	17	OFF COAST OF CHIAPAS, MEXICO
04	13	13	56.9*	1.799	N	126.492	E	33	N	4.3		0.9	13	NORTHERN MOLUCCA SEA
04	13	14	35.1*	2.610	S	77.822	W	33	N	4.1		0.8	12	PERU-ECUADOR BORDER REGION
04	13	30	10.8&	32.643	S	70.427	W	90	G			0.6	10	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
04	13	45	07.5	42.927	N	7.202	W	22				1.3	60	SPAIN. ML 4.2 (LDG). mbLg 4.2 (MDD). Felt (V) in the Sarria-Becerrea area.
04	13	46	01.1	40.054	N	27.353	E	10	G			0.5	9	TURKEY. MD 3.3 (ISK).
04	13	55	39.7?	42.80	N	7.16	W	20	G			1.2	4	SPAIN. mbLg 3.5 (MDD).
04	14	14	13.5	41.904	N	126.353	W	22	D	3.6		0.8	87	OFF COAST OF NORTHERN CALIFORNIA. ML 4.1 (BRK).
04	14	28	40.6	51.686	N	16.080	E	5	G			0.8	14	POLAND. ML 3.6 (VIE).
04	14	37	33.8	3.537	S	135.619	E	33	N	4.6		1.1	22	IRIAN JAYA REGION, INDONESIA
04	14	39	51.4?	8.76	S	28.72	E	10	G	4.5		1.7	7	ZAIRE
04	14	46	56.8*	38.245	N	57.959	E	10	G	4.2		1.5	17	TURKMENISTAN-IRAN BORDER REGION. Felt at Bojnurd, Iran.
04	15	01	40.3	43.086	N	0.266	E	10	G			1.0	54	FRANCE. ML 3.9 (LDG), 3.7 (STR). mbLg 3.8 (MDD). Felt (IV) in the Bigorre region.

04	15	05	41.7?	28.13	S	64.77	E	10	G		1.5	6	SOUTH INDIAN OCEAN
04	16	21	39.0?	16.53	S	172.38	W	33	N	4.3	1.1	14	SAMOA ISLANDS REGION
04	16	30	33.4	5.500	S	147.356	E	205		5.3	0.7	57	EASTERN NEW GUINEA REG., P.N.G.
04	17	05	05.4	17.027	N	147.198	E	57	*	5.0 4.9	1.0	79	MARIANA ISLANDS REGION
04	17	16	54.8?	32.71	S	70.07	W	120	G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
04	17	21	59.8&	62.914	N	151.323	W	105				8	CENTRAL ALASKA. <AEIC>.
04	17	31	11.8	6.735	N	77.795	W	55		5.0 4.7	0.9	105	NEAR WEST COAST OF COLOMBIA
04	17	41	25.1&	40.303	N	124.511	W	21				5	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
04	18	22	39.7&	45.929	N	6.121	E	5	G		0.6	7	FRANCE. ML 2.3 (LDG).
04	18	24	33.6*	20.200	S	173.646	W	33	N	4.3	1.0	27	TONGA ISLANDS
04	18	46	05.0&	25.082	N	123.268	E	180	?		0.6	8	NORTHEAST OF TAIWAN
04	19	08	15.9?	31.68	S	70.01	W	140	G		0.4	9	CHILE-ARGENTINA BORDER REGION
04	19	08	43.5*	17.047	N	147.354	E	33	N	3.3	1.0	10	MARIANA ISLANDS REGION
04	19	54	05.7*	17.781	N	147.286	E	33	N	3.6	0.9	9	MARIANA ISLANDS REGION
04	20	54	14.2?	12.53	S	14.65	W	10	G	4.4	1.2	11	SOUTHERN MID-ATLANTIC RIDGE
04	21	04	09.5*	37.864	N	57.123	E	10	G	4.2	1.1	29	TURKMENISTAN-IRAN BORDER REGION. Felt at Bojnurd, Iran.
04	22	07	19.1?	0.95	S	132.22	E	33	N	3.9	1.0	8	IRIAN JAYA REGION, INDONESIA
04	23	20	03.9&	62.025	N	148.332	W	15				36	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
04	23	44	14.1	43.935	N	7.647	E	10	G		0.8	20	NEAR SOUTH COAST OF FRANCE. ML 2.7 (GEN), 2.3 (LDG).
04	23	45	45.2&	38.361	N	122.647	W	6				20	NORTHERN CALIFORNIA. <GM-P>. Mw 3.6 (BRK). MD 3.4 (GM). ML 3.4 (BRK), 3.4 (GS). Felt at Cotati, Petaluma, Rohnert Park, San Francisco, Santa Rosa and Sebastopol. Scalar Moment (BRK): Mo=3.3*10**14 Nm.
05	00	15	13.6	28.755	S	139.214	E	10	G	4.3	1.2	19	SOUTH AUSTRALIA
05	00	25	41.0&	38.361	N	122.651	W	7				25	NORTHERN CALIFORNIA. <GM-P>. Mw 3.7 (BRK). MD 3.7 (GM). ML 3.9 (BRK), 3.8 (GS). Felt at Cotati, Oakland, Petaluma, Rohnert Park, San Francisco, Santa Rosa and Sebastopol. Scalar Moment (BRK): Mo=4.7*10**14 Nm.
05	01	07	08.4&	44.625	N	9.346	E	10	G		0.5	14	NORTHERN ITALY. ML 2.7 (GEN).
05	01	34	46.2	86.896	N	57.619	E	10	G	4.6	1.4	30	NORTH OF FRANZ JOSEF LAND
05	01	46	53.6?	34.17	S	70.49	W	15	G		0.3	6	CHILE-ARGENTINA BORDER REGION
05	02	28	20.0	16.998	N	147.275	E	33	N	4.7 4.3	1.2	60	MARIANA ISLANDS REGION
05	02	48	25.7*	37.586	S	70.745	W	196		3.6	1.1	22	SOUTHERN ARGENTINA. MD 3.8 (SAN).
05	03	18	59.6&	33.439	S	70.119	W	115	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
05	03	21	49.3*	20.782	S	67.344	W	200	G	3.5	1.1	12	SOUTHERN BOLIVIA
05	04	54	19.0*	22.625	N	142.996	E	116	*	4.0	0.9	15	VOLCANO ISLANDS REGION
05	06	35	14.5?	24.93	S	179.44	E	650	G	4.1	0.7	11	SOUTH OF FIJI ISLANDS
05	06	56	37.2	42.948	N	0.260	E	5	G		0.7	12	PYRENEES. mbLg 2.9 (MDD). ML 2.6 (STR). Felt (II) in the Bigorre region, France.
05	07	53	45.6	37.629	N	57.594	E	10	G	5.2 5.0	1.0	163	TURKMENISTAN-IRAN BORDER REGION. Mw 5.2 (HRV). Felt at Bojnurd, Iran. Centroid, Moment Tensor (HRV): Centroid origin time 07:53:48.4; Lat 37.84 N; Lon 57.58 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.96, Plg=7, Azm=143; (N) Val=1.64, Plg=78, Azm=267; (P) Val=-8.60, Plg=10, Azm=52; Best double couple: Mo=7.8*10**16 Nm; NP1: Strike=187, Dip=78, Slip=-178; NP2: Strike=97, Dip=88, Slip=-12.
05	08	57	53.1?	37.00	S	96.05	W	10	G	4.4	1.4	15	WEST CHILE RISE
05	10	09	21.8*	36.259	N	23.420	E	50	G	3.5	1.3	18	SOUTHERN GREECE
05	10	35	49.8?	34.48	S	70.39	W	10	G		0.8	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
05	11	06	28.2	48.440	N	154.470	E	48	D	4.5	0.8	31	KURIL ISLANDS
05	11	07	42.2&	59.181	N	152.757	W	66		2.5		52	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
05	11	14	17.0?	22.71	N	143.11	E	150	G	3.0	0.8	7	VOLCANO ISLANDS REGION
05	11	57	07.4?	14.91	S	173.99	W	33	N		0.3	6	SAMOA ISLANDS REGION
05	12	19	22.5&	62.554	N	151.266	W	88				67	CENTRAL ALASKA. <AEIC>.
05	12	30	56.2*	35.790	N	79.928	E	33	N	3.0	1.0	9	KASHMIR-XIZANG BORDER REGION
05	12	54	11.4&	36.480	N	4.434	W	104	*		0.6	17	STRAIT OF GIBRALTAR
05	13	09	18.9	2.546	N	124.466	E	250	G	4.7	1.2	46	CELEBES SEA
05	13	09	35.2?	10.99	N	126.41	E	33	N	4.8 3.9	1.5	8	PHILIPPINE ISLANDS REGION
05	13	25	44.5	17.020	N	147.350	E	33	N	4.6	1.2	49	MARIANA ISLANDS REGION
05	13	58	15.6*	14.243	S	65.850	W	33	N	3.9	1.2	9	CENTRAL BOLIVIA
05	14	22	24.6?	31.41	S	68.83	W	210	G		0.4	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (SAN).
05	14	22	58.0*	13.113	N	88.428	W	100	G	4.3	1.1	25	EL SALVADOR
05	14	29	47.3	16.924	N	147.233	E	33	N	5.0 4.4	1.1	75	MARIANA ISLANDS REGION
05	14	55	53.9	29.938	S	123.237	E	10	G	3.6	0.5	9	WESTERN AUSTRALIA
05	15	09	48.7*	5.162	S	129.306	E	200	G	4.9	1.0	14	BANDA SEA
05	16	06	17.1?	28.95	N	130.55	E	33	N		1.1	8	RYUKYU ISLANDS
05	16	18	22.5?	27.95	S	65.58	E	10	G		0.7	8	SOUTH INDIAN OCEAN
05	16	29	32.7	36.225	N	141.748	E	33	N	4.0	0.8	19	NEAR EAST COAST OF HONSHU, JAPAN
05	17	02	12.7*	25.218	N	98.665	E	33	N		0.8	7	MYANMAR-CHINA BORDER REGION
05	17	36	56.2*	17.016	N	147.478	E	33	N	3.8	0.9	13	MARIANA ISLANDS REGION
05	18	14	52.3?	44.40	N	128.68	W	10	G	2.5	0.3	11	OFF COAST OF OREGON
05	18	49	04.1&	7.635	N	127.863	E	33	N		1.1	6	PHILIPPINE ISLANDS REGION
05	19	27	24.7	51.835	N	131.040	W	10	G	4.6	1.3	48	QUEEN CHARLOTTE ISLANDS REGION
05	19	29	04.1	51.783	N	131.068	W	10	G	5.0 4.7	1.0	121	QUEEN CHARLOTTE ISLANDS REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:29:06.8; Lat 51.46 N; Lon 131.17 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.66, Plg=3, Azm=122; (N) Val=-0.58, Plg=66, Azm=26; (P) Val=-7.07, Plg=24, Azm=213; Best double couple: Mo=7.4*10**16 Nm; NP1: Strike=255, Dip=71, Slip=-16; NP2: Strike=350, Dip=75, Slip=-160.
05	19	30	29.9*	25.079	S	179.207	W	450	G	4.8	1.1	35	SOUTH OF FIJI ISLANDS
05	19	58	01.1?	3.45	S	140.71	E	100	G	3.7	1.1	9	IRIAN JAYA, INDONESIA
05	20	12	46.3?	17.71	S	178.28	W	600	G		0.4	6	FIJI ISLANDS REGION
05	21	19	03.6*	54.112	N	35.127	W	10	G	4.0	1.5	21	NORTH ATLANTIC OCEAN
05	21	22	08.2&	47.568	N	113.940	W	19				15	MONTANA. <BUT-P>. ML 3.0 (BUT).
05	22	17	33.7	34.602	S	70.357	W	112	D	4.9	0.8	69	CHILE-ARGENTINA BORDER REGION
05	22	22	31.0?	34.31	S	70.59	W	110	G		1.6	11	CHILE-ARGENTINA BORDER REGION
05	22	26	10.5&	39.264	N	27.483	E	10	G		0.5	5	TURKEY. MD 3.0 (ISK).
05	22	45	05.0&	46.740	N	152.894	E	100	G		1.3	13	KURIL ISLANDS
05	23	06	36.6?	34.33	S	109.98	W	10	G	4.0	1.4	8	SOUTHERN EAST PACIFIC RISE

05	23	16	15.2*	71.373	N	9.586	W	10	G		1.4	5	JAN MAYEN ISLAND REGION
05	23	46	44.9%	45.917	N	148.675	E	33	N		0.6	9	KURIL ISLANDS
05	23	54	23.8	14.432	N	146.653	E	63	*	4.6 4.2	1.0	37	MARIANA ISLANDS
06	00	46	44.8	28.178	N	143.368	E	35	D	4.4	1.1	37	BONIN ISLANDS REGION
06	01	16	27.6*	17.038	N	147.462	E	50	G	4.1	1.0	21	MARIANA ISLANDS REGION
06	01	27	41.4*	27.612	S	176.255	W	50	G	4.4	0.8	15	KERMADEC ISLANDS REGION
06	01	53	43.4?	34.52	S	70.48	W	120	G		0.1	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
06	01	54	21.8	0.027	N	122.412	E	250	G	4.5	1.1	44	MINAHASSA PENINSULA, SULAWESI
06	02	33	57.0?	52.00	N	168.45	W	33	N	3.1	1.4	7	FOX ISLANDS, ALEUTIAN ISLANDS
06	03	00	09.3	38.181	N	74.466	E	163	D	4.7	0.9	128	TAJIKISTAN-XINJIANG BORDER REG.
06	04	05	25.3*	29.837	N	114.432	W	10	G		0.8	7	BAJA CALIFORNIA, MEXICO
06	04	40	03.9&	60.069	N	139.208	W	0				13	SOUTHEASTERN ALASKA. <AEIC>. ML 2.7 (AEIC).
06	04	40	50.2%	34.587	S	70.289	W	5	G		0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
06	05	26	04.1*	30.665	N	138.774	E	400	G	3.5	0.7	11	SOUTH OF HONSHU, JAPAN
06	05	56	30.0*	31.065	N	41.382	W	10	G	4.3	1.1	18	NORTHERN MID-ATLANTIC RIDGE
06	06	23	37.8	51.670	N	16.339	E	5	G		1.0	8	POLAND
06	06	39	00.1?	36.74	N	21.35	E	33	N		1.0	8	SOUTHERN GREECE
06	08	11	34.4*	36.276	N	141.141	E	50	G	4.0	0.8	7	NEAR EAST COAST OF HONSHU, JAPAN
06	08	24	59.4&	60.351	N	150.765	W	41				79	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.2 (AEIC), 3.3 (PMR).
06	09	14	59.5	40.912	N	141.947	E	74	*	4.0	1.1	27	NEAR EAST COAST OF HONSHU, JAPAN
06	09	52	51.5*	6.974	S	154.058	E	33	N	3.8	0.8	14	SOLOMON ISLANDS
06	10	42	21.4?	44.58	N	149.08	E	50	G	3.7	1.3	7	KURIL ISLANDS
06	11	44	57.1*	38.460	S	91.672	W	10	G	4.6	1.0	24	WEST CHILE RISE
06	11	48	04.0	0.149	N	130.698	E	33	N	4.9	1.1	29	IRIAN JAYA REGION, INDONESIA
06	12	13	40.4?	17.11	S	174.43	W	100	G	3.6	1.2	8	TONGA ISLANDS
06	12	43	16.1*	51.762	N	130.967	W	10	G	3.9	0.9	11	QUEEN CHARLOTTE ISLANDS REGION
06	12	45	36.1*	51.656	N	131.126	W	10	G	4.0	1.3	11	QUEEN CHARLOTTE ISLANDS REGION
06	12	55	17.1*	36.480	N	1.592	E	10	G	3.5	1.0	22	NORTHERN ALGERIA. mbLg 3.0 (MDD).
06	12	56	33.5?	12.64	S	167.33	E	33	N		0.6	5	SANTA CRUZ ISLANDS
06	13	56	13.8?	29.94	S	123.99	E	10	G	3.8	1.7	7	WESTERN AUSTRALIA
06	14	27	17.7*	7.246	S	125.612	E	400	G	4.3	1.0	11	BANDA SEA
06	14	41	51.7*	77.746	N	7.877	E	10	G	5.3	1.3	7	SVALBARD REGION
06	15	22	25.9%	34.483	S	70.445	W	10	G		0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
06	16	01	01.2?	44.51	N	148.03	E	33	N	3.5	0.6	7	KURIL ISLANDS
06	16	03	41.1*	42.926	N	47.232	E	10	G		1.1	14	EASTERN CAUCASUS
06	16	08	58.0	3.220	S	148.474	E	33	N	4.8 4.8	1.0	30	BISMARCK SEA. Mw 5.3 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 16:08:58.4; Lat 3.21 S; Lon 148.71 E; Dep 20.6; Half-duration 1.2 sec; Principal axes (scale 10**16 Nm): (T) Val=7.87, Plg=6, Azm=329; (N) Val=1.53, Plg=78, Azm=211; (P) Val=-9.40, Plg=11, Azm=60; Best double couple: Mo=8.6*10**16 Nm; NP1: Strike=104, Dip=78, Slip=-4; NP2: Strike=195, Dip=87, Slip=-168.
06	16	42	46.7&	59.216	N	151.623	W	47				48	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC).
06	17	00	17.7%	46.328	N	7.085	E	10	G		0.8	7	SWITZERLAND
06	17	07	33.4?	32.54	S	71.85	W	20	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
06	17	11	48.6?	32.52	S	71.89	W	20	G		0.5	11	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
06	17	21	36.5?	32.58	S	71.79	W	20	G		0.5	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
06	17	30	47.4?	32.52	S	71.90	W	20	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
06	17	45	39.2*	3.257	S	134.749	E	33	N	4.6	1.1	22	IRIAN JAYA REGION, INDONESIA
06	17	56	51.0?	11.23	N	145.29	E	33	N	3.4	1.4	7	SOUTH OF MARIANA ISLANDS
06	17	58	35.3?	34.33	S	70.44	W	20	G		0.4	6	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
06	18	08	25.2?	38.26	N	20.33	E	50	G		1.2	7	GREECE
06	18	27	28.2*	52.482	N	160.893	E	33	N	2.9	1.1	14	OFF EAST COAST OF KAMCHATKA
06	19	05	29.0?	34.99	S	70.30	W	150	G		0.1	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
06	19	45	16.3?	52.30	S	21.80	E	10	G		1.2	5	SOUTH OF AFRICA
06	20	03	31.4?	3.63	S	130.07	E	33	N	3.8	1.4	6	SERAM, INDONESIA
06	20	37	43.7*	2.227	N	129.346	E	33	N	4.4	1.0	18	HALMAHERA, INDONESIA
06	20	41	38.1	51.690	N	16.103	E	5	G		1.5	13	POLAND. ML 3.2 (VIE).
06	20	47	48.8?	37.95	N	57.10	E	10	G		1.7	5	TURKMENISTAN-IRAN BORDER REGION
06	20	59	05.0*	52.948	S	21.075	E	10	G	4.7	1.3	29	SOUTH OF AFRICA
06	21	20	38.4*	37.742	N	57.384	E	10	G	3.6	1.3	16	TURKMENISTAN-IRAN BORDER REGION
06	22	56	20.3?	52.89	S	20.68	E	10	G		1.3	12	SOUTH OF AFRICA
06	23	56	35.4?	17.37	S	169.01	E	100	G	4.7	1.2	11	VANUATU ISLANDS
07	00	03	09.2?	31.94	S	70.65	W	110	G		0.6	10	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
07	00	19	05.5	16.909	N	147.372	E	43	*	4.8	1.1	39	MARIANA ISLANDS REGION
07	00	27	40.0%	34.521	S	70.349	W	10	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
07	00	51	23.7	6.150	S	148.783	E	32		4.8	0.9	38	NEW BRITAIN REGION, P.N.G.
07	03	11	27.3%	29.789	N	131.347	E	33	N		0.9	7	SOUTHEAST OF RYUKYU ISLANDS
07	03	55	24.0*	31.236	N	141.991	E	33	N		1.4	16	SOUTH OF HONSHU, JAPAN
07	03	55	27.0	24.052	S	66.763	W	200	G	3.7	1.0	26	SALTA PROVINCE, ARGENTINA
07	04	19	45.5	51.656	N	16.303	E	5	G	3.1	0.9	23	POLAND. ML 3.5 (GRF), 3.3 (VIE).
07	05	29	35.7*	24.957	S	179.509	E	600	G	4.5	1.0	28	SOUTH OF FIJI ISLANDS
07	05	31	17.4&	62.403	N	148.118	W	18		2.6		98	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.4 (PMR).
07	05	38	06.3*	23.811	S	179.864	E	600	G	3.8	1.2	13	SOUTH OF FIJI ISLANDS
07	06	34	47.4%	44.384	N	7.343	E	10	G		0.5	11	NORTHERN ITALY. ML 2.1 (GEN).
07	06	59	49.6&	33.501	N	116.564	W	6				31	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.8 (PAS). ML 3.8 (GS).
07	07	28	10.2*	40.000	N	26.113	E	10	G		0.5	6	TURKEY. MD 3.1 (ISK).
07	08	04	22.9	59.197	N	145.191	W	10	G	3.6	1.1	71	GULF OF ALASKA. ML 3.9 (PMR), 3.6 (AEIC).
07	08	12	57.5*	18.162	S	178.013	W	600	G	4.5	0.9	24	FIJI ISLANDS REGION
07	08	41	13.4	19.859	S	173.289	W	28	G	6.0 6.2	0.9	300	TONGA ISLANDS. Mw 6.4 (GS), 6.4 (HRV). Me 6.1 (GS).
													Broadband Source Parameters (GS): Dep 28; NP1: Strike=164, Dip=64, Slip=55; NP2: Strike=42, Dip=43, Slip=140; Radiated energy 3.6*10**13 Nm.
													Moment Tensor (GS): Dep 29; Principal axes (scale 10**18 Nm): (T) Val=3.99, Plg=70, Azm=40; (N) Val=0.04, Plg=11, Azm=161; (P) Val=-4.03, Plg=17, Azm=254; Best double couple: Mo=4.0*10**18 Nm; NP1: Strike=0, Dip=30, Slip=112; NP2: Strike=155, Dip=63, Slip=78.
													Centroid, Moment Tensor (HRV): Centroid origin time 08:41:21.5; Lat 19.85 S; Lon 172.85 W; Dep 33.0 Bdy; Half-duration 4.0 sec; Principal axes (scale 10**18 Nm): (T) Val=5.03, Plg=65, Azm=11; (N) Val=-0.39, Plg=24, Azm=173;

(P) Val=-4.64, Plg=7, Azm=266; Best double couple: Mo=4.8*10**18 Nm; NP1: Strike=21, Dip=43, Slip=126; NP2: Strike=156, Dip=56, Slip=61.
Scalar Moment (PPT): Mo=1.2*10**19 Nm.

07	08	44	57.4*	8.088	S	119.399	E	100	G	4.8		1.0	14	FLORES REGION, INDONESIA
07	09	02	04.9	40.661	N	27.553	E	10	G			0.4	8	TURKEY. MD 3.4 (ISK).
07	09	09	03.9*	40.631	N	27.295	E	10	G			0.8	6	TURKEY. MD 2.9 (ISK).
07	10	30	22.7?	13.40	N	88.85	W	100	G	3.8		1.5	7	EL SALVADOR
07	11	32	05.4%	33.954	S	70.701	W	100	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.3 (SAN).
07	12	50	01.9*	31.101	N	141.680	E	33	N	3.7		0.6	9	SOUTH OF HONSHU, JAPAN
07	13	19	59.2?	35.27	S	71.45	W	110	G			0.3	8	CENTRAL CHILE
07	13	32	08.9%	33.130	S	70.269	W	10	G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
07	13	33	50.9?	51.16	N	142.41	E	33	N	3.3		0.3	5	SAKHALIN ISLAND
07	13	40	30.0?	44.82	N	25.44	E	10	G			1.5	5	ROMANIA
07	13	51	39.5	42.308	N	143.068	E	68	*	4.2		1.3	29	HOKKAIDO, JAPAN REGION
07	14	30	14.2&	40.394	N	125.054	W	24					2	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM).
07	14	56	59.6*	52.618	N	153.632	E	450	G	3.5		0.8	16	NORTHWEST OF KURIL ISLANDS
07	15	24	56.3?	32.25	S	69.49	W	150	G			0.3	7	MENDOZA PROVINCE, ARGENTINA. MD 2.6 (SAN).
07	18	17	25.3*	5.424	S	154.423	E	33	N	4.3		1.1	11	SOLOMON ISLANDS
07	19	03	18.9*	0.387	N	98.762	E	50	G	4.5		1.2	20	NORTHERN SUMATERA, INDONESIA
07	19	27	40.4	5.294	N	125.410	E	200	G	4.4		0.6	19	MINDANAO, PHILIPPINE ISLANDS
07	19	31	17.5	36.204	N	69.819	E	158	D	4.7		0.9	44	HINDU KUSH REGION, AFGHANISTAN
07	19	40	03.9&	38.647	N	119.554	W	4					1	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
07	20	27	14.0*	3.698	S	139.922	E	33	N	4.7		1.1	12	IRIAN JAYA, INDONESIA
07	20	39	34.1	25.875	N	142.757	E	47	*	4.7		1.0	31	VOLCANO ISLANDS REGION
07	21	28	23.7%	43.868	N	7.403	E	10	G			0.4	8	NEAR SOUTH COAST OF FRANCE. ML 1.9 (GEN).
07	21	28	33.6%	45.621	N	26.450	E	157	?			0.8	11	ROMANIA
07	22	06	33.6?	16.35	S	173.47	W	33	N	4.4		0.1	5	TONGA ISLANDS
07	22	35	25.2*	35.926	N	70.776	E	100	G	4.4		0.8	17	HINDU KUSH REGION, AFGHANISTAN
07	23	22	05.2*	18.103	S	176.578	W	33	N	4.7		1.0	30	FIJI ISLANDS REGION
08	00	07	15.4*	15.495	N	145.970	E	33	N	3.3		0.2	7	MARIANA ISLANDS
08	00	15	02.2*	31.602	N	92.420	E	33	N			0.5	9	XIZANG
08	01	50	48.8*	37.749	N	27.641	E	10	G			1.3	8	TURKEY. MD 3.5 (ISK).
08	01	55	55.7	8.473	S	158.957	E	101	D	5.8		1.0	233	SOLOMON ISLANDS. Mw 5.7 (GS), 5.7 (HRV). Me 5.6 (GS).

Broadband Source Parameters (GS): Dep 93; NP1: Strike=120, Dip=35, Slip=100; NP2: Strike=288, Dip=56, Slip=83; Radiated energy 6.1*10**12 Nm.
Moment Tensor (GS): Dep 92; Principal axes (scale 10**17 Nm): (T) Val=3.43, Plg=66, Azm=152; (N) Val=0.18, Plg=17, Azm=286; (P) Val=-3.61, Plg=16, Azm=21; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=134, Dip=32, Slip=123; NP2: Strike=277, Dip=63, Slip=71.
Centroid, Moment Tensor (HRV): Centroid origin time 01:55:58.4; Lat 8.29 S; Lon 159.00 E; Dep 83.1; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=4.25, Plg=61, Azm=147; (N) Val=-0.40, Plg=20, Azm=276; (P) Val=-3.86, Plg=21, Azm=14; Best double couple: Mo=4.1*10**17 Nm; NP1: Strike=135, Dip=30, Slip=132; NP2: Strike=268, Dip=68, Slip=69.

08	02	23	42.9*	49.887	N	156.017	E	52	D	3.9		1.0	14	KURIL ISLANDS
08	02	35	22.2*	6.356	S	154.850	E	100	G	3.9		0.8	12	SOLOMON ISLANDS
08	02	45	42.1?	5.98	S	150.54	E	33	N	4.2		1.0	9	NEW BRITAIN REGION, P.N.G.
08	03	12	36.7*	25.835	N	142.922	E	33	N	4.2		1.3	16	VOLCANO ISLANDS REGION
08	03	28	23.0	30.947	N	56.791	E	39	D	4.7		1.1	38	NORTHERN IRAN
08	05	19	34.8*	7.856	S	108.146	E	33	N	4.5		1.1	26	JAWA, INDONESIA
08	06	24	18.0?	32.53	S	72.14	W	33	N			0.6	11	OFF COAST OF CENTRAL CHILE. MD 4.5 (SAN).
08	06	34	06.9*	36.525	N	71.398	E	174	*	3.1		0.9	12	AFGHANISTAN-TAJIKISTAN BORD REG.
08	07	15	51.7?	14.84	S	173.91	W	33	N	3.4		0.8	9	SAMOA ISLANDS REGION
08	07	41	00.1*	55.493	N	162.740	E	54	D	4.0		1.0	19	NEAR EAST COAST OF KAMCHATKA
08	08	08	46.1?	27.82	S	65.49	E	10	G			0.6	7	SOUTH INDIAN OCEAN
08	09	39	04.5*	40.696	N	77.317	E	33	N	3.5		1.5	9	KYRGYZSTAN-XINJIANG BORDER REG.
08	10	58	03.2&	58.924	N	154.476	W	115		2.8			60	ALASKA PENINSULA. <AEIC>.
08	12	09	03.1	51.587	N	16.205	E	5	G			1.0	16	POLAND. ML 3.4 (VIE), 2.7 (CLL).
08	12	18	48.7	21.509	S	66.723	W	226	D	4.6		1.1	30	SOUTHERN BOLIVIA
08	12	39	41.8	1.657	N	97.951	E	33	N	5.3	4.6	1.0	148	NORTHERN SUMATERA, INDONESIA. Mw 5.2 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 12:39:47.9; Lat 1.65 N; Lon 98.03 E; Dep 33.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.91, Plg=11, Azm=353; (N) Val=2.59, Plg=4, Azm=262; (P) Val=-8.50, Plg=78, Azm=154; Best double couple: Mo=7.2*10**16 Nm; NP1: Strike=88, Dip=34, Slip=-83; NP2: Strike=260, Dip=57, Slip=-95.

08	16	21	32.2*	56.815	N	33.846	W	10	G	3.9		1.2	21	NORTH ATLANTIC OCEAN
08	16	29	15.9*	23.548	S	67.765	W	150	G	4.5		1.5	10	CHILE-ARGENTINA BORDER REGION
08	16	40	44.1*	31.642	S	69.500	W	150	G	4.2		0.5	10	SAN JUAN PROVINCE, ARGENTINA
08	16	53	05.6*	38.982	N	142.968	E	33	N			0.9	10	NEAR EAST COAST OF HONSHU, JAPAN
08	17	12	09.1*	42.340	N	86.990	E	10	D	4.6		1.1	16	NORTHERN XINJIANG, CHINA
08	17	38	10.2&	62.516	N	149.942	W	65					68	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.0 (PMR).
08	18	08	07.5%	44.090	N	6.971	E	10	G			0.2	9	FRANCE. ML 2.1 (GEN).
08	18	10	09.3%	34.065	S	71.581	W	50	G			0.4	8	NEAR COAST OF CENTRAL CHILE
08	19	06	44.9	54.109	N	163.768	W	40	D	4.4		1.2	44	UNIMAK ISLAND REGION. ML 4.4 (PMR).
08	19	18	43.3	43.619	N	5.611	E	5	G			0.4	17	NEAR SOUTH COAST OF FRANCE. ML 2.9 (STR).
08	19	42	00.0&	59.660	N	152.463	W	80					50	SOUTHERN ALASKA. <AEIC>.
08	19	53	59.9?	20.90	N	122.60	E	200	G			1.6	7	PHILIPPINE ISLANDS REGION
08	19	54	43.1?	21.83	S	168.94	E	33	N			0.9	10	LOYALTY ISLANDS
08	20	12	32.9*	28.198	N	143.467	E	33	N	4.4		1.3	25	BONIN ISLANDS REGION
08	20	28	30.6?	33.05	S	70.28	W	100	G			1.3	8	CHILE-ARGENTINA BORDER REGION
08	21	08	36.4&	36.715	N	121.348	W	3					10	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK).
08	21	20	15.8&	60.059	N	152.262	W	61					51	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
08	22	01	57.7?	52.72	S	18.42	E	10	G	4.4		1.5	14	SOUTHWEST OF AFRICA
08	22	05	22.5*	35.392	N	77.685	E	33	N			1.4	15	EASTERN KASHMIR
08	23	50	44.4*	12.039	N	125.674	E	33	N			1.1	9	SAMAR, PHILIPPINE ISLANDS
09	00	24	01.3*	28.178	N	143.538	E	33	N	4.2		1.3	6	BONIN ISLANDS REGION

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09  00 55 06.5? 38.26  N   29.82  E   10 G          0.2    5  TURKEY. MD 3.4 (ISK).
09  01 16 51.9& 33.070 S   70.354 W  100 G          0.2    9  CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
09  01 39 24.8? 32.64  S   71.76  W   15 G          0.4   10  NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
09  01 54 34.0  10.426 S  123.875 E   33 N  4.7 4.3  1.2   42  TIMOR REGION, INDONESIA
09  01 58 49.5* 18.753 S   69.321 W  150 G  3.7       0.8   13  NORTHERN CHILE
09  02 07 53.5* 64.338 N   17.811 W   10 G          1.2    7  ICELAND
09  02 11 30.7& 61.761 N  151.648 W   91    4.4           132  SOUTHERN ALASKA. <AEIC>. Felt at Anchorage, Skwentna,
                                                              Talkeetna and Willow.
09  02 47 21.8& 62.200 N  149.996 W    8                    19  CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
09  03 00 39.4* 10.319 N   62.431 W   10 G  3.5       1.1   10  NEAR COAST OF VENEZUELA. MD 3.6 (TRN).
09  03 01 04.5* 27.495 N   57.696 E   33 N  3.1       1.1   14  SOUTHERN IRAN
09  03 08 25.9* 52.556 S   18.507 E   10 G  4.8       1.5   33  SOUTHWEST OF AFRICA
09  03 30 00.3& 32.515 S   70.674 W   80 G          0.4   10  CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
09  03 49 35.1  47.738 N  147.906 E  355 *  4.3       0.8   53  NORTHWEST OF KURIL ISLANDS
09  04 33 06.8* 11.180 N  124.790 E   33 N  4.4       1.5   15  LEYTE, PHILIPPINE ISLANDS
09  05 00 34.5& 60.604 N  151.770 W   72    2.8           27  KENAI PENINSULA, ALASKA. <AEIC>.
09  05 37 42.2* 24.238 S  115.821 W   10 G  5.1 4.7  1.1   53  SOUTHERN EAST PACIFIC RISE. Mw 5.3 (HRV).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               05:37:50.6; Lat 24.26 S; Lon 115.85 W; Dep 15.0 Fix; Half-
                                                               duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=1.07, Plg=14, Azm=80; (N) Val=0.01, Plg=35, Azm=340;
                                                               (P) Val=-1.08, Plg=52, Azm=188; Best double couple:
                                                               Mo=1.1*10**17 Nm; NP1: Strike=207, Dip=43, Slip=-34; NP2:
                                                               Strike=323, Dip=67, Slip=-128.
09  05 38 37.7? 34.69  S   70.39  W  130 G          0.1   10  CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
09  05 53 55.3? 24.56  S  116.20  W   10 G  4.1       0.6    7  SOUTHERN EAST PACIFIC RISE
09  05 56 48.5? 24.27  S  115.99  W   10 G  4.0       0.7    6  SOUTHERN EAST PACIFIC RISE
09  06 38 43.3?  4.87  S  131.16  E  100 G  4.1       1.5    6  BANDA SEA
09  07 16 23.3* 21.567 N  121.075 E   33 N  3.9       0.9   15  TAIWAN REGION
09  07 23 47.6* 15.582 S   75.473 W   33 N  4.4       1.0   20  NEAR COAST OF PERU
09  07 44 21.4? 35.50  N    0.87  W   10 G          0.8   15  NORTHERN ALGERIA. mbLg 3.4 (MDD).
09  07 56 59.9  40.362 N   25.817 E   10 G          1.3   12  AEGEAN SEA. MD 3.5 (ISK).
09  09 20 02.9?  6.19  S  155.04  E   33 N  3.9       0.9    8  SOLOMON ISLANDS
09  10 03 41.4* 40.146 N   19.248 E   10 G          0.6    7  ALBANIA. MG 3.0 (SKO).
09  10 26 36.8* 18.849 S  177.733 W  500 G  4.2       0.8   24  FIJI ISLANDS REGION
09  10 54 53.9?  9.20  S  162.91  E   33 N  4.0       0.9    6  SOLOMON ISLANDS
09  11 28 14.8  35.687 N   95.819 E   10 G  4.7 5.2  0.9   69  QINGHAI, CHINA. Mw 5.5 (HRV).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               11:28:22.4; Lat 35.70 N; Lon 95.82 E; Dep 15.0 Fix; Half-
                                                               duration 1.4 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=1.97, Plg=9, Azm=316; (N) Val=0.06, Plg=69, Azm=69; (P)
                                                               Val=-2.03, Plg=19, Azm=223; Best double couple:
                                                               Mo=2.0*10**17 Nm; NP1: Strike=1, Dip=70, Slip=-172; NP2:
                                                               Strike=268, Dip=83, Slip=-20.
09  12 32 36.2  14.486 S   76.276 W   33 N  5.7 5.8  1.0  187  NEAR COAST OF PERU. Mw 6.1 (HRV), 6.0 (GS). Me 5.8 (GS).
                                                              Broadband Source Parameters (GS): Dep 20; NP1: Strike=0,
                                                               Dip=15, Slip=90; NP2: Strike=180, Dip=75, Slip=90; Radiated
                                                               energy 9.7*10**12 Nm.
                                                              Moment Tensor (GS): Dep 19; Principal axes (scale 10**18
                                                               Nm): (T) Val=1.15, Plg=61, Azm=79; (N) Val=-0.04, Plg=1,
                                                               Azm=171; (P) Val=-1.10, Plg=29, Azm=262; Best double
                                                               couple: Mo=1.1*10**18 Nm; NP1: Strike=355, Dip=16, Slip=94;
                                                               NP2: Strike=171, Dip=74, Slip=89.
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               12:32:41.7; Lat 14.41 S; Lon 76.42 W; Dep 20.0 Bdy; Half-
                                                               duration 2.9 sec; Principal axes (scale 10**18 Nm): (T)
                                                               Val=1.67, Plg=61, Azm=92; (N) Val=0.09, Plg=11, Azm=343;
                                                               (P) Val=-1.76, Plg=27, Azm=247; Best double couple:
                                                               Mo=1.7*10**18 Nm; NP1: Strike=313, Dip=21, Slip=59; NP2:
                                                               Strike=166, Dip=72, Slip=101.
                                                              Scalar Moment (PPT): Mo=3.2*10**18 Nm.
09  12 46 04.2* 35.637 N   95.901 E   10 G  3.4       1.4    9  QINGHAI, CHINA
09  12 50 22.4  10.766 S  162.217 E   75 D  4.9       1.1   48  SOLOMON ISLANDS
09  13 56 33.4? 31.66  S   70.62  W  120 G          0.5    9  CHILE-ARGENTINA BORDER REGION
09  14 07 19.6? 24.48  S  115.85  W   10 G  4.4       1.3   21  SOUTHERN EAST PACIFIC RISE
09  14 37 11.5? 15.14  N   93.75  W   33 N  3.8       1.2    8  NEAR COAST OF CHIAPAS, MEXICO
09  14 54 47.6* 23.010 S  169.869 E   22 D  4.7       1.5   25  LOYALTY ISLANDS REGION
09  14 54 51.1? 14.24  S   76.30  W   33 N  4.2       0.7    9  NEAR COAST OF PERU
09  14 57 20.3  14.534 S   76.241 W   33 N  4.9       1.0   72  NEAR COAST OF PERU
09  15 09 17.9  14.466 S   76.197 W   33 N  5.0       0.9   92  NEAR COAST OF PERU
09  15 17 27.4  14.486 S   76.288 W   33 N  4.7       1.0   43  NEAR COAST OF PERU
09  15 43 48.7? 14.52  S   76.33  W   33 N  3.5       1.6    6  NEAR COAST OF PERU
09  15 44 06.0? 34.47  S   70.41  W   10 G          0.2    7  CHILE-ARGENTINA BORDER REGION
09  15 51 39.9  14.421 S   76.161 W   33 N  4.9 5.1  0.8   39  NEAR COAST OF PERU
09  15 59 24.9  40.270 N   27.558 E   10 G          1.3    8  TURKEY. MD 3.2 (ISK).
09  16 28 24.4  34.773 N  135.236 E  388 D  4.6       1.1   88  NEAR S. COAST OF WESTERN HONSHU
09  16 59 17.4? 23.99  S  115.51  W   10 G  4.3       1.0    9  SOUTHERN EAST PACIFIC RISE
09  17 39 38.4*  5.188 N   94.350 E   49 D  4.2       1.0   14  NORTHERN SUMATERA, INDONESIA
09  18 28 05.5? 32.01  S   71.68  W   15 G          0.5   10  NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
09  18 28 36.0  85.324 N   87.713 E   10 G  4.4       1.2   20  NORTH OF SEVERNAYA ZEMLYA
09  18 57 37.8  55.235 N  161.941 E   33 N  5.9 5.3  0.8  365  NEAR EAST COAST OF KAMCHATKA. Mw 5.9 (HRV), 5.7 (GS). Me 5.4
                                                               (GS). Felt (II) at Klyuchi and Petropavlovsk-Kamchatskiy.
                                                              Broadband Source Parameters (GS): Dep 27; NP1: Strike=75,
                                                               Dip=60, Slip=60; NP2: Strike=304, Dip=41, Slip=131;
                                                               Radiated energy 2.5*10**12 Nm.
                                                              Moment Tensor (GS): Dep 32; Principal axes (scale 10**17
                                                               Nm): (T) Val=4.00, Plg=76, Azm=297; (N) Val=0.01, Plg=0,
                                                               Azm=207; (P) Val=-4.01, Plg=14, Azm=117; Best double
                                                               couple: Mo=4.0*10**17 Nm; NP1: Strike=207, Dip=31, Slip=90;
                                                               NP2: Strike=27, Dip=59, Slip=90.
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               18:57:42.8; Lat 54.85 N; Lon 162.86 E; Dep 43.1; Half-
                                                               duration 2.3 sec; Principal axes (scale 10**17 Nm): (T)
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Val=6.37, Plg=72, Azm=350; (N) Val=1.70, Plg=14, Azm=214; (P) Val=-8.07, Plg=12, Azm=121; Best double couple: Mo=7.2*10**17 Nm; NP1: Strike=194, Dip=35, Slip=66; NP2: Strike=43, Dip=59, Slip=106.

09	18	59	53.5	33.166	S	70.326	W	10	G			0.9	8	CHILE-ARGENTINA BORDER REGION
09	20	48	19.7?	52.38	N	170.50	W	33	N	3.1		1.6	8	FOX ISLANDS, ALEUTIAN ISLANDS
09	21	09	20.0*	55.524	N	162.172	E	33	N	3.7		1.2	11	NEAR EAST COAST OF KAMCHATKA
09	21	42	27.0*	23.478	N	121.655	E	100	G	3.8		0.8	12	TAIWAN
09	21	49	13.1	41.413	N	43.894	E	33	N	4.5	3.6	1.2	74	GEORGIA-ARMENIA-TURKEY BORD REG. Felt at Tbilisi, Georgia. Also felt at Yerevan, Armenia.
09	22	27	45.7*	21.358	S	68.616	W	100	G			1.2	7	CHILE-BOLIVIA BORDER REGION
09	22	54	21.0	42.288	N	125.619	W	10	G	2.7		0.3	23	OFF COAST OF OREGON
09	23	11	04.6*	20.235	S	173.629	W	40	D	5.0		1.2	49	TONGA ISLANDS. Mw 5.0 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 23:11:07.7; Lat 20.06 S; Lon 173.08 W; Dep 40.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.16, Plg=78, Azm=299; (N) Val=0.49, Plg=0, Azm=209; (P) Val=-3.66, Plg=12, Azm=119; Best double couple: Mo=3.4*10**16 Nm; NP1: Strike=209, Dip=33, Slip=90; NP2: Strike=29, Dip=57, Slip=90.

09	23	21	53.6?	15.34	S	173.45	W	33	N	3.8		0.4	7	TONGA ISLANDS
09	23	39	38.3?	8.14	S	130.24	E	150	G	3.6		0.1	5	TANIMBAR ISLANDS REG., INDONESIA
09	23	41	23.5*	24.166	N	94.569	E	100	G	4.3		1.0	12	MYANMAR-INDIA BORDER REGION
09	23	47	18.4?	11.27	S	73.63	W	33	N			1.0	6	CENTRAL PERU
10	00	15	02.1	45.490	N	6.650	E	10	G			0.9	20	FRANCE. ML 2.7 (GEN).
10	01	01	31.1&	62.360	N	150.857	W	69					72	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 2.9 (PMR).
10	02	52	14.3%	37.838	N	3.493	W	10	G			0.9	11	SPAIN. mbLg 2.5 (MDD).
10	02	53	35.1?	21.99	S	168.65	E	33	N	4.4		1.3	17	LOYALTY ISLANDS
10	03	12	54.9*	35.249	N	139.939	E	100	*	4.4		0.9	14	NEAR S. COAST OF HONSHU, JAPAN
10	03	33	26.8*	26.378	S	83.641	E	10	G	5.0		0.9	16	SOUTH INDIAN OCEAN
10	03	36	38.0%	33.520	S	70.168	W	110	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.3 (SAN).
10	04	26	57.6&	47.554	N	122.301	W	0					51	WASHINGTON. <SEA-P>. MD 3.5 (SEA). Felt in the Seattle area.
10	04	27	25.3*	31.504	N	49.588	E	33	N	3.8		0.9	19	WESTERN IRAN
10	04	55	40.1*	22.384	N	119.175	E	33	N	4.3		0.5	6	TAIWAN REGION
10	05	00	21.2	7.178	S	106.790	E	33	N	4.6		0.8	35	JAWA, INDONESIA
10	05	24	26.5?	15.36	N	87.15	W	10	G	3.1		0.9	6	HONDURAS
10	05	28	59.1*	1.325	S	15.767	W	10	G	4.3		1.1	20	NORTH OF ASCENSION ISLAND
10	06	09	39.7?	9.99	N	89.55	W	33	N	3.4		1.4	5	OFF COAST OF CENTRAL AMERICA
10	07	01	00.6*	47.439	N	80.892	E	10	G			0.9	12	EASTERN KAZAKHSTAN
10	07	01	33.8*	44.733	N	141.039	E	265	*	3.3		0.9	19	HOKKAIDO, JAPAN REGION
10	07	22	21.0?	31.81	S	70.06	W	140	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
10	07	46	46.2?	24.62	S	179.71	W	500	G	4.5		1.2	11	SOUTH OF FIJI ISLANDS
10	09	23	58.1?	31.44	S	178.80	W	33	N			1.1	10	KERMADEC ISLANDS REGION
10	10	47	23.8?	32.13	S	71.63	W	20	G			0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
10	10	50	50.5?	17.96	S	177.95	W	500	G	3.7		0.9	7	FIJI ISLANDS REGION
10	10	52	09.9	32.926	S	68.755	W	149	D	5.0		0.8	78	MENDOZA PROVINCE, ARGENTINA. Mw 5.3 (HRV). MD 4.9 (SAN).

Centroid, Moment Tensor (HRV): Centroid origin time 10:52:15.4; Lat 32.98 S; Lon 68.31 W; Dep 151.6; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.03, Plg=36, Azm=178; (N) Val=0.05, Plg=13, Azm=79; (P) Val=-1.08, Plg=51, Azm=333; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=317, Dip=15, Slip=-31; NP2: Strike=77, Dip=82, Slip=-103.

10	12	07	53.0?	31.79	S	70.26	W	140	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
10	12	17	50.3*	51.999	N	170.734	W	22	D	3.7		1.2	18	FOX ISLANDS, ALEUTIAN ISLANDS
10	12	22	33.2?	4.63	N	127.46	E	33	N	4.1		1.1	9	TALAUD ISLANDS, INDONESIA
10	12	24	57.7%	33.586	S	71.818	W	25	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
10	13	23	50.8%	44.398	N	7.356	E	10	G			0.6	7	NORTHERN ITALY. ML 1.8 (GEN).
10	13	31	38.7?	56.11	S	28.82	W	10	G	4.5		1.0	10	SOUTH SANDWICH ISLANDS REGION
10	15	46	54.4	34.633	N	141.127	E	33	N	4.1		0.9	27	OFF EAST COAST OF HONSHU, JAPAN
10	16	10	28.6	27.022	S	26.702	E	5	G	5.2		0.9	56	REPUBLIC OF SOUTH AFRICA
10	16	16	11.2?	24.89	S	179.49	W	400	G	3.8		0.4	7	SOUTH OF FIJI ISLANDS
10	16	50	13.4	24.131	N	121.849	E	96	D	4.6		1.0	24	TAIWAN
10	18	33	08.0	36.131	N	139.862	E	81		4.0		1.3	27	EASTERN HONSHU, JAPAN
10	18	44	16.7?	5.12	S	152.77	E	33	N	4.2		0.4	7	NEW BRITAIN REGION, P.N.G.
10	19	00	10.3*	22.311	N	143.490	E	168	?	3.9		1.2	15	VOLCANO ISLANDS REGION
10	19	22	50.6?	15.42	S	173.89	W	100	G	3.6		0.5	7	TONGA ISLANDS
10	19	25	26.9	9.641	S	119.510	E	33	N	5.6	5.6	1.2	112	SUMBA REGION, INDONESIA. Mw 5.9 (HRV), 5.8 (GS). Me 5.6 (GS).

Broadband Source Parameters (GS): Dep 26; Radiated energy 5.0*10**12 Nm. Two events about 1.5 seconds apart. Depth based on first event.

Moment Tensor (GS): Dep 26; Principal axes (scale 10**17 Nm): (T) Val=6.23, Plg=57, Azm=9; (N) Val=-0.27, Plg=1, Azm=277; (P) Val=-5.96, Plg=33, Azm=186; Best double couple: Mo=6.1*10**17 Nm; NP1: Strike=271, Dip=12, Slip=84; NP2: Strike=97, Dip=78, Slip=91.

Centroid, Moment Tensor (HRV): Centroid origin time 19:25:36.3; Lat 9.77 S; Lon 119.55 E; Dep 44.6; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=7.61, Plg=65, Azm=19; (N) Val=2.38, Plg=4, Azm=280; (P) Val=-9.99, Plg=25, Azm=188; Best double couple: Mo=8.8*10**17 Nm; NP1: Strike=268, Dip=20, Slip=77; NP2: Strike=101, Dip=70, Slip=95.

10	19	54	52.2	30.572	N	141.849	E	33	N	4.2		1.0	24	SOUTH OF HONSHU, JAPAN
10	20	17	25.3	24.719	N	109.152	W	10	G	5.0	4.3	1.1	112	GULF OF CALIFORNIA
10	20	28	20.7?	24.71	N	108.94	W	10	G	3.7		0.6	6	GULF OF CALIFORNIA
10	21	13	56.6*	24.441	N	109.011	W	10	G	4.4		1.2	27	GULF OF CALIFORNIA
10	21	26	54.4?	24.68	N	109.04	W	10	G			0.6	5	GULF OF CALIFORNIA
10	21	35	28.2%	9.642	N	126.250	E	33	N			0.3	7	MINDANAO, PHILIPPINE ISLANDS
10	21	45	30.9%	37.019	N	4.176	W	10	G			0.6	9	SPAIN. mbLg 2.8 (MDD).
10	21	45	31.7?	24.90	N	109.09	W	10	G	3.2		0.3	5	GULF OF CALIFORNIA
10	21	48	37.0?	34.61	S	70.65	W	95	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
10	21	57	15.1?	24.91	N	109.07	W	10	G	3.2		1.1	9	GULF OF CALIFORNIA

10	22	22	22.7?	55.24	N	162.15	W	33	N			1.2	7	ALASKA PENINSULA
10	22	41	51.2*	21.593	N	143.178	E	336	?	3.8		0.9	13	MARIANA ISLANDS REGION
10	22	49	39.3?	18.79	S	177.99	W	500	G	4.1		1.2	9	FIJI ISLANDS REGION
10	22	57	17.5	42.749	N	144.426	E	100	G	5.2		0.9	173	HOKKAIDO, JAPAN REGION. Felt (III) at Yuzhno-Kurilsk, Kunashir.
10	23	24	10.8	51.916	N	176.035	W	48	D	4.7	4.5	1.2	48	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PMR). Felt (IV) on Adak.
10	23	26	28.8&	37.565	N	118.861	W	10					60	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 4.2 (BRK). MD 4.2 (GM). ML 4.6 (BRK). Felt at Bishop and Mammoth Lakes, California. Scalar Moment (BRK): Mo=2.1*10**15 Nm.
11	00	18	20.6&	63.075	N	150.949	W	118					17	CENTRAL ALASKA. <AEIC>.
11	00	25	54.8?	59.26	S	26.22	W	33	N			0.8	8	SOUTH SANDWICH ISLANDS REGION
11	00	50	11.7?	27.32	N	53.29	E	33	N			1.4	8	SOUTHERN IRAN
11	01	06	21.6?	16.95	N	147.49	E	42	D	3.4		1.0	8	MARIANA ISLANDS REGION
11	01	22	08.4*	6.837	S	129.951	E	128	?	4.8		1.0	13	BANDA SEA
11	01	24	25.6*	7.213	N	127.507	E	33	N			0.8	9	PHILIPPINE ISLANDS REGION
11	01	32	24.4*	15.025	S	72.741	W	119	D	4.6		1.1	32	SOUTHERN PERU
11	01	58	37.9*	21.305	N	95.265	E	119	*	4.0		1.1	17	MYANMAR
11	02	48	20.9*	7.656	N	126.533	E	33	N			0.5	11	MINDANAO, PHILIPPINE ISLANDS
11	03	24	41.8?	2.10	S	130.94	E	33	N	3.7		0.8	7	SERAM, INDONESIA
11	03	47	02.8*	16.904	N	147.777	E	40	D	3.8		1.1	14	MARIANA ISLANDS REGION
11	03	58	27.5*	11.775	N	86.579	W	33	N	4.6		1.1	48	NEAR COAST OF NICARAGUA
11	04	19	05.3&	40.673	N	29.969	E	10	G			0.6	7	TURKEY. MD 3.0 (ISK).
11	04	55	40.4*	0.924	N	121.452	E	33	N	4.3		1.2	15	MINAHASSA PENINSULA, SULAWESI
11	06	40	43.2?	5.78	S	130.24	E	33	N	3.7		1.4	6	BANDA SEA
11	07	04	11.7	51.490	N	176.094	W	33	N	4.3		1.2	37	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
11	07	13	07.8	51.438	N	176.107	W	33	N	4.4		1.0	39	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
11	07	14	56.5?	34.89	S	71.08	W	100	G			0.1	10	NEAR COAST OF CENTRAL CHILE. MD 3.0 (SAN).
11	07	38	37.9?	2.72	S	29.11	E	10	G	4.7		1.2	11	LAKE TANGANYIKA REGION
11	08	36	41.1?	14.68	N	91.06	W	200	G			1.2	9	GUATEMALA
11	09	08	20.0?	2.58	N	97.08	E	33	N			0.8	7	NORTHERN SUMATERA, INDONESIA
11	09	15	53.5&	58.610	N	136.310	W	1					10	SOUTHEASTERN ALASKA. <AEIC>. ML 3.0 (AEIC).
11	09	47	00.0*	33.869	N	138.857	E	33	N	4.0		1.4	21	SOUTH OF HONSHU, JAPAN
11	11	12	44.5	39.615	N	141.860	E	33	N			0.7	13	EASTERN HONSHU, JAPAN
11	11	21	03.6?	15.69	S	67.20	E	10	G	4.1		1.2	5	MID-INDIAN RIDGE
11	11	32	50.7	12.906	N	143.449	E	156		4.2		0.6	22	SOUTH OF MARIANA ISLANDS
11	11	48	36.6*	24.313	N	124.075	E	33	N	3.8		0.8	7	SOUTHWESTERN RYUKYU ISLANDS
11	11	53	55.8?	24.29	N	108.94	W	10	G			0.7	6	GULF OF CALIFORNIA
11	11	58	52.7?	16.57	S	173.30	W	45	D	4.1		0.9	12	TONGA ISLANDS
11	12	45	40.6&	47.285	N	11.689	E	10	G			0.1	5	AUSTRIA. ML 1.7 (VIE).
11	13	59	14.6*	22.158	S	67.327	W	195	*	3.9		0.7	11	CHILE-BOLIVIA BORDER REGION
11	15	17	08.5	24.489	N	123.993	E	33	N	4.3		0.9	16	SOUTHWESTERN RYUKYU ISLANDS
11	17	06	41.0*	41.961	N	144.639	E	33	N	4.5		1.2	27	HOKKAIDO, JAPAN REGION
11	17	09	02.0?	7.46	S	109.57	E	33	N			0.8	6	JAWA, INDONESIA
11	17	18	14.7?	72.38	N	2.44	E	10	G			1.2	5	NORWEGIAN SEA
11	17	21	16.5&	33.056	S	71.052	W	60	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 2.5 (SAN).
11	17	39	21.3?	40.73	N	30.26	E	10	G			0.6	7	TURKEY. MD 3.3 (ISK).
11	17	53	19.7*	1.088	S	100.574	E	109	?	4.1		1.1	18	SOUTHERN SUMATERA, INDONESIA. Felt at Padang.
11	18	42	26.9	28.170	N	57.638	E	33	N	4.3		1.1	35	SOUTHERN IRAN
11	19	45	43.8*	37.540	N	142.078	E	93	*			0.7	7	OFF EAST COAST OF HONSHU, JAPAN
11	19	55	45.5&	59.806	N	152.755	W	88					60	SOUTHERN ALASKA. <AEIC>.
11	20	21	00.6	39.503	N	76.936	E	33	N	4.7	4.5	0.9	59	SOUTHERN XINJIANG, CHINA. Felt in Jiashi County.
11	21	20	24.1*	21.244	S	179.141	W	600	G	4.3		1.0	31	FIJI ISLANDS REGION
11	22	05	28.3&	38.353	N	122.638	W	6					15	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK). Felt at Rohnert Park.
11	22	07	30.7*	26.483	N	142.033	E	33	N			1.1	9	BONIN ISLANDS REGION
11	22	27	27.4*	37.568	N	27.446	E	10	G			1.4	6	TURKEY. MD 3.6 (ISK).
11	23	40	32.1&	60.346	N	152.270	W	80					92	SOUTHERN ALASKA. <AEIC>.
11	23	46	42.1	31.426	S	71.003	W	59	D	4.7		1.0	34	NEAR COAST OF CENTRAL CHILE. MD 4.9 (SAN).
12	00	01	19.8*	25.751	S	70.649	W	100	G	3.7		1.2	13	NEAR COAST OF NORTHERN CHILE
12	00	46	10.7*	8.516	N	83.049	W	14		3.9		1.3	18	COSTA RICA. MD 4.4 (UPA).
12	00	46	29.5	46.838	N	145.744	E	319	*	4.2		1.1	51	SEA OF OKHOTSK
12	01	46	29.8&	34.059	S	70.842	W	80	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
12	01	51	53.0&	44.844	N	111.535	W	5					10	HEBGEN LAKE REGION. <BUT-P>. ML 1.9 (BUT). Felt at Wade Lake Resort.
12	01	53	03.0	14.369	S	76.303	W	22	D	4.7		0.9	44	NEAR COAST OF PERU
12	01	55	17.1?	18.06	N	93.64	W	33	N	3.3		0.8	6	BAY OF CAMPECHE
12	02	09	07.1&	44.841	N	111.547	W	4					10	HEBGEN LAKE REGION. <BUT-P>. ML 2.3 (BUT). Felt at Wade Lake Resort.
12	02	09	41.2&	59.970	N	153.155	W	105		4.4			148	SOUTHERN ALASKA. <AEIC>. Felt at Anchorage, Palmer, Seward and Wasilla.
12	03	05	01.2&	32.624	N	115.919	W	6					20	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. MD 3.5 (PAS).
12	03	15	46.2&	44.839	N	111.545	W	4					10	HEBGEN LAKE REGION. <BUT-P>. ML 2.5 (BUT). Felt at Wade Lake Resort.
12	03	16	23.5&	59.835	N	153.195	W	119		2.3			58	SOUTHERN ALASKA. <AEIC>.
12	04	05	49.9&	60.082	N	152.997	W	111		2.6			51	SOUTHERN ALASKA. <AEIC>.
12	04	23	48.1&	44.849	N	111.550	W	4					10	HEBGEN LAKE REGION. <BUT-P>. ML 2.6 (BUT). Felt at Wade Lake Resort.
12	04	25	01.7&	18.549	N	66.715	W	25	G			0.3	6	PUERTO RICO REGION. MD 3.0 (MPR).
12	05	19	02.9	52.063	N	171.338	E	33	N	5.1	4.9	0.9	257	NEAR ISLANDS, ALEUTIAN ISLANDS. Mw 5.5 (HRV). ML 4.7 (PMR). Felt on Shemya. Centroid, Moment Tensor (HRV): Centroid origin time 05:19:03.1; Lat 52.21 N; Lon 171.10 E; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.97, Plg=9, Azm=55; (N) Val=0.01, Plg=21, Azm=149; (P) Val=-1.98, Plg=67, Azm=303; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=122, Dip=40, Slip=-123; NP2: Strike=343, Dip=57, Slip=-65.
12	06	20	32.1	6.642	S	131.339	E	33	N	4.6		1.3	29	TANIMBAR ISLANDS REG., INDONESIA
12	06	57	53.4&	59.701	N	152.885	W	97					29	SOUTHERN ALASKA. <AEIC>.
12	07	05	37.7?	54.51	N	35.34	W	10	G			0.8	7	NORTH ATLANTIC OCEAN
12	07	13	18.6	53.458	N	35.397	W	10	G	4.8	4.5	0.9	95	NORTH ATLANTIC OCEAN

12	07	13	45.9%	51.951	N	167.787	W	33	N			0.8	7	FOX ISLANDS, ALEUTIAN ISLANDS
12	08	28	14.2	42.683	N	2.292	E	10	G			1.3	44	PYRENEES. ML 3.5 (LDG), 3.4 (STR). mbLg 3.4 (MDD). Felt (II) in the Fenouillet region, France.
12	10	52	22.4%	42.772	N	2.163	E	5	G			1.3	5	PYRENEES. ML 2.3 (LDG).
12	11	09	45.2	51.705	N	16.137	E	5	G	3.4		1.1	22	POLAND. ML 3.7 (VIE).
12	12	24	55.0&	32.627	N	115.915	W	6	G				20	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. MD 2.6 (PAS).
12	12	28	03.4&	63.445	N	151.082	W	9					63	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.5 (PMR).
12	12	28	32.0	14.443	S	76.210	W	33	N	4.6		0.9	28	NEAR COAST OF PERU
12	12	28	43.9*	52.265	N	171.159	E	33	N	4.5		1.1	28	NEAR ISLANDS, ALEUTIAN ISLANDS
12	12	50	22.6	52.048	N	171.303	E	33	N	5.0	4.6	1.1	110	NEAR ISLANDS, ALEUTIAN ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:50:20.4; Lat 52.24 N; Lon 171.51 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.70, Plg=8, Azm=233; (N) Val=0.72, Plg=26, Azm=328; (P) Val=-5.42, Plg=62, Azm=127; Best double couple: Mo=5.1*10**16 Nm; NP1: Strike=296, Dip=43, Slip=-130; NP2: Strike=165, Dip=58, Slip=-59.
12	12	55	49.7?	22.97	N	142.17	E	33	N			0.7	7	VOLCANO ISLANDS REGION
12	13	08	34.8?	40.71	N	30.05	E	10	G			0.6	7	TURKEY. MD 3.2 (ISK).
12	13	13	52.2?	40.72	N	29.80	E	10	G			0.7	5	TURKEY. MD 2.7 (ISK).
12	13	42	50.1%	27.960	N	143.574	E	33	N			0.9	5	BONIN ISLANDS REGION
12	13	57	44.7	40.688	N	30.125	E	10	G			0.6	11	TURKEY. MD 3.4 (ISK).
12	14	19	07.6?	40.69	N	29.73	E	10	G			0.1	4	TURKEY. MD 2.7 (ISK).
12	14	21	06.1?	40.71	N	30.26	E	10	G			0.2	7	TURKEY. MD 3.1 (ISK).
12	14	42	52.6	28.325	N	55.449	E	33	N	4.5		0.5	33	SOUTHERN IRAN
12	15	27	53.8?	40.76	N	30.18	E	10	G			0.2	7	TURKEY. MD 3.0 (ISK).
12	15	34	53.2?	11.54	N	62.07	W	100	G			0.2	6	WINDWARD ISLANDS. MD 3.4 (TRN).
12	15	37	45.4?	11.90	S	170.29	E	33	N	4.3		1.4	8	SANTA CRUZ ISLANDS REGION
12	15	47	26.1?	40.75	N	30.22	E	10	G			0.4	7	TURKEY. MD 3.0 (ISK).
12	15	49	52.7?	40.72	N	30.20	E	10	G			0.3	7	TURKEY. MD 3.0 (ISK).
12	16	15	12.4?	33.95	S	70.72	W	100	G			0.2	4	CHILE-ARGENTINA BORDER REGION
12	16	37	59.2*	53.450	N	35.415	W	10	G	4.0		0.9	13	NORTH ATLANTIC OCEAN
12	17	00	04.0	28.324	N	55.532	E	33	N	4.3		0.7	24	SOUTHERN IRAN
12	17	18	23.4?	44.22	N	146.95	E	100	G	3.2		1.0	5	KURIL ISLANDS
12	17	21	23.4	10.263	N	121.563	E	33	N	5.2	4.6	0.9	72	PANAY, PHILIPPINE ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:21:22.4; Lat 10.17 N; Lon 121.62 E; Dep 18.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.42, Plg=29, Azm=50; (N) Val=3.01, Plg=5, Azm=143; (P) Val=-8.42, Plg=61, Azm=243; Best double couple: Mo=6.9*10**16 Nm; NP1: Strike=126, Dip=17, Slip=-109; NP2: Strike=325, Dip=74, Slip=-84.
12	18	49	14.6*	51.324	N	5.906	E	10	G			1.3	17	THE NETHERLANDS. ML 3.0 (LDG), 2.6 (DBN), 2.4 (UCC).
12	19	41	46.0&	59.852	N	153.451	W	134		2.7			81	SOUTHERN ALASKA. <AEIC>.
12	19	45	23.0?	40.71	N	29.94	E	10	G			0.5	7	TURKEY. MD 3.0 (ISK).
12	20	08	58.2%	36.082	N	77.353	E	33	N			0.8	5	KASHMIR-XINJIANG BORDER REGION
12	20	19	55.5?	52.17	N	171.15	E	33	N	3.8		0.8	5	NEAR ISLANDS, ALEUTIAN ISLANDS
12	20	44	11.4%	40.700	N	29.713	E	10	G			0.6	7	TURKEY. MD 2.8 (ISK).
12	21	07	11.5%	40.703	N	29.801	E	5	G			0.4	6	TURKEY. MD 3.1 (ISK).
12	21	14	02.7?	4.49	S	139.30	E	33	N	3.5		1.2	7	IRIAN JAYA, INDONESIA
12	21	38	58.3?	16.09	S	173.22	W	33	N	4.2		0.6	8	TONGA ISLANDS
12	22	05	15.9&	59.965	N	139.208	W	0					37	SOUTHEASTERN ALASKA. <AEIC>. ML 3.7 (AEIC).
12	22	55	37.7	38.808	N	21.443	E	33	N	4.3		1.3	47	GREECE
12	23	53	10.7*	34.947	N	100.890	W	5	G			0.8	8	TEXAS PANHANDLE REGION. mbLg 3.0 (GS).
13	00	47	36.9	38.626	N	48.756	E	50	G	3.6		0.5	15	ARMENIA-AZERBAIJAN-IRAN BORD REG. Felt in the Ardabil region, Iran.
13	00	54	51.2?	28.31	S	178.06	W	200	G	4.1		1.4	20	KERMADEC ISLANDS REGION
13	00	57	17.0%	33.393	S	71.665	W	25	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
13	01	29	59.0?	32.50	S	71.75	W	5	G			0.5	11	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
13	01	38	09.2&	62.163	N	150.256	W	20					78	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PMR).
13	01	46	36.8*	42.533	N	2.205	E	5	G			1.7	13	PYRENEES. mbLg 3.0 (MDD). ML 2.9 (LDG).
13	02	16	24.1?	16.95	S	69.96	W	176	*			0.5	6	PERU-BOLIVIA BORDER REGION
13	02	37	03.2%	36.805	N	4.414	W	33	N			0.6	5	STRAIT OF GIBRALTAR. mbLg 2.0 (MDD).
13	02	53	03.4*	24.024	S	66.766	W	200	G			1.0	7	SALTA PROVINCE, ARGENTINA
13	04	48	09.1*	38.911	N	21.361	E	33	N	3.5		1.1	22	GREECE
13	05	40	19.4	51.701	N	16.184	E	5	G			0.8	15	POLAND. ML 3.7 (GRF), 3.3 (VIE).
13	06	01	51.9*	33.135	N	140.871	E	33	N			1.0	6	SOUTH OF HONSHU, JAPAN
13	06	30	14.6?	38.97	N	26.65	E	10	G			1.2	5	AEGEAN SEA. MD 3.1 (ISK).
13	07	19	53.6&	61.506	N	146.705	W	17					79	SOUTHERN ALASKA. <AEIC>. ML 3.7 (AEIC), 3.8 (PMR). Felt at Valdez.
13	08	29	53.6*	23.139	N	121.269	E	33	N	3.8		1.0	15	TAIWAN
13	09	08	45.1%	36.637	N	5.498	W	10	G			0.8	6	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
13	09	26	05.9?	18.88	N	145.54	E	300	G	3.6		1.2	11	MARIANA ISLANDS
13	10	14	53.4?	24.71	N	128.16	E	33	N	4.2		1.3	13	SOUTHEAST OF RYUKYU ISLANDS
13	10	22	22.8	80.208	N	0.711	W	10	G	4.6	4.2	1.0	44	NORTH OF SVALBARD
13	10	27	50.2*	38.649	N	21.707	E	33	N	3.8		1.6	23	GREECE
13	10	28	55.3&	60.096	N	153.486	W	129					52	SOUTHERN ALASKA. <AEIC>.
13	11	11	57.6	38.853	N	21.704	E	33	N	3.8		1.2	32	GREECE
13	11	40	37.0?	36.41	N	70.82	E	227	*	3.0		0.2	7	HINDU KUSH REGION, AFGHANISTAN
13	11	57	38.9?	60.63	S	52.57	W	10	G			0.8	6	SOUTH SHETLAND ISLANDS
13	12	12	33.5	18.053	S	178.370	W	584	D	4.7		1.1	68	FIJI ISLANDS REGION
13	12	18	04.4*	35.721	N	83.253	E	10	G			0.5	6	XIZANG
13	12	18	48.1*	18.067	S	178.410	W	600	G	4.7		1.0	50	FIJI ISLANDS REGION
13	12	25	00.7?	17.94	S	178.59	W	600	G	4.5		1.1	16	FIJI ISLANDS REGION
13	12	51	23.7	38.819	N	21.700	E	33	N	3.7		1.2	27	GREECE
13	12	58	22.6	10.778	S	165.984	E	73	D	5.0		1.0	70	SANTA CRUZ ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:58:26.7; Lat 10.93 S; Lon 165.77 E; Dep 63.8; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.18, Plg=61, Azm=13; (N) Val=-0.14, Plg=26, Azm=222; (P) Val=-1.03, Plg=12, Azm=126; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=187, Dip=39, Slip=47; NP2: Strike=57, Dip=62, Slip=119.

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13  12 58 29.4   8.514 S   74.510 W  148 D  4.8        0.8   48  PERU-BRAZIL BORDER REGION
13  13 17 29.2* 18.296 N   63.359 W   50 G  3.7        1.0    9  LEEWARD ISLANDS
13  13 54 22.0* 39.090 N   21.925 E   33 N              1.4    8  GREECE
13  14 31 43.3% 50.518 N    1.216 E    5 G              1.0   14  FRANCE. ML 3.2 (LDG).
13  15 58 43.5? 33.21  S   69.10  W   10 G              0.3    8  CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
13  16 13 29.7* 31.777 S  178.699 W   33 N  4.3        1.3   23  KERMADEC ISLANDS REGION
13  17 03 30.0? 21.31  S  174.44  W   33 N              0.4    5  TONGA ISLANDS
13  17 11 05.5? 39.01  N   22.34  E   33 N  3.2        1.3    9  GREECE
13  17 42 57.6   9.057 N   82.996 W   10 G              0.5   11  PANAMA-COSTA RICA BORDER REGION. MD 4.4 (UPA).
13  18 36 00.7  44.365 N    7.302 E    5 G              0.7   16  NORTHERN ITALY. ML 2.0 (GEN), 1.8 (LDG).
13  18 54 57.5? 30.14  S  179.10  E  400 G  3.6        0.3    6  KERMADEC ISLANDS REGION
13  19 12 08.6& 44.840 N  111.547 W    5                      12  HEBGEN LAKE REGION. <BUT-P>. ML 3.0 (BUT).
13  19 26 51.5  18.787 N  145.348 E  250 G  4.3        1.2   36  MARIANA ISLANDS
13  20 10 24.1  40.198 N   21.635 E   52 *  4.0        1.0   41  GREECE
13  22 03 17.6  10.242 N  121.625 E   33 N  5.0 4.2     0.8   54  PANAY, PHILIPPINE ISLANDS
13  22 10 07.5? 37.50  N  141.48  E   33 N              0.6    6  NEAR EAST COAST OF HONSHU, JAPAN
13  22 21 26.2  19.797 N  109.323 W   10 G  4.6 4.2     1.1   52  REVILLA GIGEDO ISLANDS REGION
13  22 27 16.5* 10.190 N  121.628 E   33 N  4.3        0.8   21  PANAY, PHILIPPINE ISLANDS
13  22 43 23.0* 43.183 N   10.434 E    5 G              1.2   23  CENTRAL ITALY. ML 2.7 (LDG).
13  22 48 20.1* 19.896 N  121.657 E   33 N  3.9        0.9   10  PHILIPPINE ISLANDS REGION
13  22 55 32.0? 16.72  S  175.81  W  300 G  3.4        0.8    8  TONGA ISLANDS
13  23 31 55.0  53.916 N  160.097 E  100 G  4.8        0.8  102  NEAR EAST COAST OF KAMCHATKA
14  00 42 13.9& 46.714 N  121.132 W    3                      62  WASHINGTON. <SEA-P>. MD 2.7 (SEA).
14  01 04 20.5   0.052 S  125.078 E   50 G  5.3 4.6     1.2   96  SOUTHERN MOLUCCA SEA. Mw 5.4 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   01:04:23.9; Lat 0.02 S; Lon 125.31 E; Dep 37.3; Half-
                                                                   duration 1.0 sec; Principal axes (scale 10**17 Nm): (T)
                                                                   Val=1.35, Plg=63, Azm=314; (N) Val=-0.28, Plg=3, Azm=218;
                                                                   (P) Val=-1.07, Plg=27, Azm=126; Best double couple:
                                                                   Mo=1.2*10**17 Nm; NP1: Strike=208, Dip=19, Slip=80; NP2:
                                                                   Strike=39, Dip=72, Slip=93.
14  02 17 00.1? 37.22  N    3.67  W   10 G              0.1    4  SPAIN. mbLg 2.0 (MDD).
14  02 54 25.5?  6.53  S  150.80  E   33 N  3.9        1.1    9  NEW BRITAIN REGION, P.N.G.
14  03 06 44.3% 33.243 S   70.582 W   60 G              0.9    9  CHILE-ARGENTINA BORDER REGION
14  03 26 46.1? 24.40  S  179.63  E  550 G  4.0        1.1   11  SOUTH OF FIJI ISLANDS
14  03 47 51.8* 19.518 N  109.381 W   10 G  3.7        0.8   17  REVILLA GIGEDO ISLANDS REGION
14  03 51 36.3& 61.103 N  139.769 W    0                     16  SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 2.8 (AEIC).
14  06 14 08.4& 59.362 N  152.478 W   70                     38  SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
14  07 57 39.9  51.725 N   16.163 E    5 G  3.5        1.2   20  POLAND. ML 3.9 (GRF), 3.6 (VIE).
14  07 58 16.0? 31.76  S   70.12  W  150 G              0.2    9  CHILE-ARGENTINA BORDER REGION
14  07 59 45.4*  2.185 N  129.451 E   33 N  4.7        1.5   27  HALMAHERA, INDONESIA
14  08 37 28.6* 32.136 N  123.230 E   33 N  4.0        1.4    8  OFF COAST OF EASTERN CHINA. ML 4.4 (BJI).
14  10 47 32.7* 15.407 N  145.941 E  167     4.3        0.3   13  MARIANA ISLANDS
14  11 03 18.8* 37.675 N   20.756 E   10 G              1.3   13  IONIAN SEA
14  11 46 37.2% 33.755 N  131.085 E   33 N              0.9    5  KYUSHU, JAPAN
14  12 17 04.4& 38.726 N  119.649 W    0                     13  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.0
                                                                   (BRK).
14  13 39 17.2* 21.999 S  179.508 W  600 G  4.2        0.9   16  FIJI ISLANDS REGION
14  13 57 01.3?  4.08  N   84.23  W   33 N  4.1        1.5   12  OFF COAST OF CENTRAL AMERICA
14  14 05 43.0   7.670 S  119.520 E  281     4.8        1.2   67  FLORES SEA
14  14 12 22.5? 44.34  N    7.27  E   10 G              0.0    4  NORTHERN ITALY. ML 1.6 (GEN).
14  14 25 03.1? 31.98  S   70.41  W  120 G              1.1   10  CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
14  15 30 27.3? 45.35  N  146.90  E  100 G  4.0        1.2    7  KURIL ISLANDS
14  16 20 50.5?  1.53  N   86.86  W   10 G  3.8        0.8   15  GALAPAGOS ISLANDS REGION
14  16 23 34.2  34.474 N   36.936 W   10 G  4.7 4.3     1.1   48  NORTHERN MID-ATLANTIC RIDGE
14  16 30 26.5? 17.44  S  178.66  W  600 G  4.2        0.6    9  FIJI ISLANDS REGION
14  16 37 34.6? 11.30  S  166.41  E  100 G  4.1        1.4   12  SANTA CRUZ ISLANDS
14  17 33 34.3% 39.013 N   28.051 E   10 G              0.7    6  TURKEY. MD 3.3 (ISK).
14  17 36 29.5  28.237 S  176.843 W   50 G  5.1 5.1     1.1   84  KERMADEC ISLANDS REGION. Mw 5.4 (HRV).
                                                                  Centroid, Moment Tensor (HRV): Centroid origin time
                                                                   17:36:30.5; Lat 28.14 S; Lon 176.54 W; Dep 33.1; Half-
                                                                   duration 1.4 sec; Principal axes (scale 10**17 Nm): (T)
                                                                   Val=1.50, Plg=62, Azm=300; (N) Val=0.21, Plg=6, Azm=199;
                                                                   (P) Val=-1.71, Plg=27, Azm=107; Best double couple:
                                                                   Mo=1.6*10**17 Nm; NP1: Strike=182, Dip=18, Slip=72; NP2:
                                                                   Strike=21, Dip=73, Slip=96.
14  17 39 30.4? 28.32  S  176.70  W   50 G              1.3   10  KERMADEC ISLANDS REGION
14  17 47 58.6*  4.395 N  126.112 E  150 G  4.0        1.3   10  TALAUD ISLANDS, INDONESIA
14  18 23 02.5? 37.77  N    5.22  E    5 G              0.8   14  WESTERN MEDITERRANEAN SEA. ML 3.6 (LDG).
14  18 35 10.3? 43.27  N  147.26  E  167 ?              0.1    6  KURIL ISLANDS
14  18 50 36.8  27.952 S   66.614 W  155     4.5        0.9   48  CATAMARCA PROVINCE, ARGENTINA
14  19 29 20.8?  0.93  N   87.43  W   10 G  3.8        1.3   10  GALAPAGOS ISLANDS REGION
14  20 09 01.7? 15.00  S  177.77  W  400 G  4.1        0.4   10  FIJI ISLANDS REGION
14  20 13 06.1  38.848 N   21.487 E   33 N  3.6        1.1   24  GREECE
14  20 39 36.4* 10.717 S  162.074 E   50 G  4.6        1.3   18  SOLOMON ISLANDS
14  20 41 28.1& 61.259 N  151.187 W   61                     59  SOUTHERN ALASKA. <AEIC>. ML 2.4 (AEIC).
14  20 46 10.3% 43.990 N    7.454 E    5 G              0.1    5  NEAR SOUTH COAST OF FRANCE. ML 1.2 (STR).
14  21 14 44.4* 10.165 S  116.514 E   33 N  4.2        1.4   12  SOUTH OF SUMBAWA, INDONESIA
14  21 19 35.5% 37.057 N  138.443 E   10 G              0.6    6  NEAR WEST COAST OF HONSHU, JAPAN
14  21 26 26.0* 14.773 S  168.257 E   33 N  4.1        0.7   13  VANUATU ISLANDS
14  22 04 31.2  43.976 N    7.439 E    5 G              0.2   15  NEAR SOUTH COAST OF FRANCE. ML 1.9 (GEN), 1.7 (LDG), 1.3
                                                                   (STR).
14  22 07 17.2  36.967 N  140.270 E  124                1.0   20  NEAR EAST COAST OF HONSHU, JAPAN
14  22 24 27.8?  6.81  S  154.09  E   33 N              0.5    5  SOLOMON ISLANDS
14  22 25 19.2? 34.26  S   70.45  W  115 G              1.1    9  CHILE-ARGENTINA BORDER REGION
14  22 27 38.9* 60.677 S   24.954 W   33 N  4.2        0.8   13  SOUTH SANDWICH ISLANDS REGION
14  23 14 37.2* 80.431 N    1.959 E   10 G  3.3        1.3    7  NORTH OF SVALBARD
14  23 29 07.9?  6.93  N    0.83  W   10 G              1.3    9  NORTHWEST AFRICA
14  23 32 31.8* 19.028 S  169.482 E  250 G  4.5        1.3   50  VANUATU ISLANDS
14  23 43 43.3  56.370 S   27.399 W  143 D  5.4        1.0  127  SOUTH SANDWICH ISLANDS REGION. Mw 5.4 (GS), 5.4 (HRV).
                                                                  Moment Tensor (GS): Dep 142; Principal axes (scale 10**17
                                                                   Nm): (T) Val=1.54, Plg=80, Azm=286; (N) Val=0.02, Plg=4,
                                                                   Azm=172; (P) Val=-1.56, Plg=9, Azm=81; Best double couple:
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													Mo=1.5*10**17 Nm; NP1: Strike=166, Dip=36, Slip=83; NP2: Strike=355, Dip=54, Slip=95.
													Centroid, Moment Tensor (HRV): Centroid origin time 23:43:48.8; Lat 56.51 S; Lon 26.91 W; Dep 141.9; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.36, Plg=70, Azm=296; (N) Val=-0.29, Plg=13, Azm=165; (P) Val=-1.07, Plg=14, Azm=71; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=143, Dip=33, Slip=65; NP2: Strike=352, Dip=61, Slip=105.
15	00	11	20.7	44.003	N	7.446	E	5	G		0.4	21	NORTHERN ITALY. ML 2.2 (GEN), 2.1 (LDG), 1.5 (STR).
15	00	22	49.1	43.984	N	7.448	E	5	G		0.2	17	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN), 1.5 (LDG).
15	00	30	18.8	44.006	N	7.473	E	10	G		0.5	9	NORTHERN ITALY. ML 1.5 (LDG), 1.0 (STR).
15	00	38	25.7?	32.37	S	71.61	W	10	G		0.4	10	NEAR COAST OF CENTRAL CHILE
15	00	48	53.7	43.989	N	7.447	E	5	G		0.8	8	NEAR SOUTH COAST OF FRANCE. ML 1.6 (LDG), 1.1 (STR).
15	01	17	49.0	19.169	N	146.160	E	84	*	4.4	1.1	43	MARIANA ISLANDS REGION
15	01	21	34.8	43.981	N	7.444	E	5	G		0.3	16	NEAR SOUTH COAST OF FRANCE. ML 1.9 (GEN), 1.6 (LDG).
15	01	24	31.5&	36.650	N	140.401	E	33	N		0.7	6	NEAR EAST COAST OF HONSHU, JAPAN
15	01	38	06.9	38.855	N	29.256	E	10	G		0.6	10	TURKEY. MD 3.6 (ISK).
15	01	39	52.2	43.990	N	7.439	E	5	G		0.2	10	NEAR SOUTH COAST OF FRANCE. ML 1.9 (GEN).
15	01	39	59.8	43.988	N	7.436	E	5	G		0.3	11	NEAR SOUTH COAST OF FRANCE. ML 1.7 (GEN), 1.0 (STR).
15	01	40	53.3	38.390	N	40.318	E	33	N		0.9	18	TURKEY. MD 4.2 (ISK).
15	01	57	17.1	43.998	N	7.450	E	5	G		0.3	13	NEAR SOUTH COAST OF FRANCE. ML 1.9 (GEN).
15	02	23	45.1&	36.150	N	139.842	E	33	N		0.4	5	EASTERN HONSHU, JAPAN
15	02	24	02.2?	35.59	S	70.19	W	180	G		0.3	10	CHILE-ARGENTINA BORDER REGION
15	02	40	24.0	55.726	N	161.121	W	179		3.2	1.1	63	ALASKA PENINSULA
15	03	01	16.8&	44.008	N	7.468	E	10	G		0.5	5	NORTHERN ITALY. ML 1.0 (STR).
15	03	32	43.1	14.351	S	76.245	W	33	N	4.6	1.0	37	NEAR COAST OF PERU
15	04	22	10.1&	36.072	N	117.634	W	3				57	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 3.8 (PAS). ML 4.1 (BRK), 3.8 (GS).
15	04	38	46.7&	59.344	N	153.616	W	120		3.4		124	SOUTHERN ALASKA. <AEIC>.
15	04	59	42.8&	36.085	N	117.637	W	5				14	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 2.9 (PAS). ML 3.0 (GS).
15	05	26	09.5	39.593	N	76.935	E	33	N	4.8	0.9	62	SOUTHERN XINJIANG, CHINA
15	05	51	56.3&	44.368	N	7.346	E	5	G		0.4	5	NORTHERN ITALY. ML 1.6 (GEN).
15	06	25	33.1&	60.207	N	153.276	W	141		3.1		96	SOUTHERN ALASKA. <AEIC>.
15	06	28	37.3*	1.521	N	86.532	W	10	G	4.2	1.0	21	GALAPAGOS ISLANDS REGION
15	07	07	20.7	49.161	N	156.105	E	50	D	4.8	1.0	60	KURIL ISLANDS
15	07	17	04.6*	18.537	N	71.385	W	33	N		1.2	19	DOMINICAN REPUBLIC REGION
15	07	22	24.1*	50.596	N	18.891	E	5	G		1.6	10	POLAND. MG 3.2 (WAR).
15	07	32	46.9	22.391	S	68.393	W	120	D	4.2	0.8	22	NORTHERN CHILE
15	08	13	47.9&	36.084	N	117.637	W	4				46	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 3.7 (PAS), 3.5 (GM). ML 3.7 (GS).
15	08	14	04.8?	1.74	N	86.44	W	10	G	4.2	1.1	17	GALAPAGOS ISLANDS REGION
15	08	27	08.4&	36.085	N	117.637	W	4				7	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 2.8 (PAS).
15	09	08	55.4	34.973	N	100.569	W	5	G		1.0	11	TEXAS PANHANDLE REGION. mbLg 3.2 (GS).
15	09	26	17.8?	39.14	N	27.56	E	10	G		0.6	4	TURKEY. MD 2.8 (ISK).
15	09	48	35.7&	40.293	N	124.476	W	21				10	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK).
15	09	58	40.1?	39.16	N	27.53	E	10	G		0.4	4	TURKEY. MD 2.7 (ISK).
15	10	10	49.8*	44.771	S	35.634	E	10	G	4.7	1.2	12	PRINCE EDWARD ISLANDS REGION
15	10	13	55.8	45.395	N	6.663	E	5	G		0.8	12	FRANCE. ML 2.3 (GEN), 2.1 (LDG).
15	10	27	21.2?	32.35	S	71.62	W	10	G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
15	10	33	38.6*	0.970	N	87.044	W	10	G	4.7	1.2	47	GALAPAGOS ISLANDS REGION
15	10	40	46.2	34.849	N	135.940	E	27			0.9	11	NEAR S. COAST OF WESTERN HONSHU
15	10	47	37.0?	0.86	N	87.36	W	10	G	4.0	1.1	14	GALAPAGOS ISLANDS REGION
15	11	01	59.5?	39.17	N	27.45	E	10	G		0.4	4	TURKEY. MD 2.7 (ISK).
15	11	16	48.1*	17.126	N	100.836	W	33	N	3.9	0.8	8	GUERRERO, MEXICO
15	11	27	36.2?	0.33	N	87.88	W	10	G		1.4	10	GALAPAGOS ISLANDS REGION
15	11	34	08.9&	41.087	N	125.568	W	3				67	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. Mw 4.0 (BRK). MD 3.5 (GM). ML 3.8 (BRK).
													Scalar Moment (BRK): Mo=1.1*10**15 Nm.
15	11	55	19.3?	39.15	N	27.70	E	10	G		0.1	4	TURKEY. MD 2.8 (ISK).
15	12	06	23.4*	30.774	N	141.867	E	33	N		1.1	11	SOUTH OF HONSHU, JAPAN
15	12	11	14.7	7.782	S	117.413	E	274	D	5.6	1.2	183	BALI SEA. Mw 5.6 (GS), 5.6 (HRV). Me 5.2 (GS).
													Broadband Source Parameters (GS): Dep 278; Radiated energy 1.2*10**12 Nm.
													Moment Tensor (GS): Dep 276; Principal axes (scale 10**17 Nm): (T) Val=3.13, Plg=64, Azm=345; (N) Val=-0.76, Plg=10, Azm=235; (P) Val=-2.37, Plg=24, Azm=141; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=211, Dip=22, Slip=64; NP2: Strike=59, Dip=70, Slip=100.
													Centroid, Moment Tensor (HRV): Centroid origin time 12:11:20.7; Lat 7.81 S; Lon 117.51 E; Dep 282.9; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.97, Plg=64, Azm=342; (N) Val=-0.34, Plg=3, Azm=79; (P) Val=-2.63, Plg=25, Azm=170; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=267, Dip=20, Slip=99; NP2: Strike=78, Dip=70, Slip=87.
15	12	46	07.2	39.174	N	27.500	E	10	G		0.1	4	TURKEY. MD 2.7 (ISK).
15	13	20	25.3*	46.283	N	13.786	E	10	G		1.4	8	AUSTRIA. ML 2.6 (VIE), 2.5 (LJU). Felt (IV) at Kobarid, Slovenia.
15	13	22	28.9?	54.53	N	166.43	E	33	N	3.2	1.5	7	KOMANDORSKY ISLANDS REGION
15	14	07	20.2&	0.488	N	16.666	W	10	G		0.5	9	NORTH OF ASCENSION ISLAND
15	14	07	33.2	43.975	N	7.444	E	5	G		0.3	9	NEAR SOUTH COAST OF FRANCE. ML 1.9 (LDG), 1.3 (STR).
15	14	11	08.4&	36.082	N	117.633	W	4				35	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 2.6 (PAS).
15	14	12	34.2	43.980	N	7.445	E	5	G		0.4	15	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN), 1.8 (LDG), 1.4 (STR).
15	14	21	09.4	23.861	N	94.402	E	102	D	4.3	1.4	28	MYANMAR-INDIA BORDER REGION
15	14	45	03.8?	32.29	S	70.13	W	130	G		0.4	10	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
15	15	14	54.1&	34.000	N	117.581	W	4				30	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.1 (PAS).
15	15	18	08.7&	36.126	N	139.868	E	33	N		0.2	6	EASTERN HONSHU, JAPAN
15	15	23	31.5	44.577	N	9.420	E	10	G		1.4	25	NORTHERN ITALY. ML 2.8 (GEN), 2.4 (LDG).
15	15	56	11.9?	37.84	N	36.91	E	33	N		1.7	9	TURKEY. MD 4.1 (ISK).

15	16	34	36.5&	62.841	N	150.200	W	92				74	CENTRAL ALASKA. <AEIC>.
15	16	47	45.9*	4.043	N	96.357	E	33	N	4.4	1.3	15	NORTHERN SUMATERA, INDONESIA
15	16	58	32.3*	13.740	S	168.945	E	33	N	4.6 4.5	1.2	24	VANUATU ISLANDS
15	17	50	47.9*	24.189	S	66.992	W	200	G	4.7	1.3	10	SALTA PROVINCE, ARGENTINA
15	18	40	09.5&	38.423	N	142.225	E	33	N		0.7	7	NEAR EAST COAST OF HONSHU, JAPAN
15	19	15	14.6*	8.488	N	137.809	E	33	N	4.0	1.0	8	WESTERN CAROLINE ISLANDS
15	19	47	25.9	28.953	N	52.638	E	33	N	4.8	0.8	88	SOUTHERN IRAN
15	19	52	26.8*	6.391	S	129.989	E	125	?	4.3	1.5	13	BANDA SEA
15	20	38	15.6?	16.16	S	179.18	E	33	N	4.6	1.4	23	FIJI ISLANDS
15	20	44	58.4*	48.696	S	126.761	E	22	D	4.5	1.5	22	SOUTH OF AUSTRALIA
15	20	55	08.4	24.313	N	125.317	E	33	N	4.5 3.7	1.1	35	SOUTHWESTERN RYUKYU ISLANDS
15	21	29	34.4*	29.882	N	131.473	E	33	N		1.5	14	SOUTHEAST OF RYUKYU ISLANDS
15	22	35	26.5*	53.989	N	160.424	E	33	N	4.4	1.0	35	NEAR EAST COAST OF KAMCHATKA
15	22	47	00.1&	32.978	N	132.183	E	33	N		1.1	5	SHIKOKU, JAPAN
15	22	51	59.5*	23.042	S	179.856	E	500	G	4.3	0.8	11	SOUTH OF FIJI ISLANDS
15	23	17	47.8&	46.310	N	7.995	E	10	G		0.9	11	SWITZERLAND. ML 2.1 (LDG).
16	00	12	03.7?	40.47	N	28.13	E	10	G		1.0	4	TURKEY. MD 2.6 (ISK).
16	00	23	26.4&	32.746	S	71.728	W	10	G		0.5	10	NEAR COAST OF CENTRAL CHILE
16	00	50	55.8	42.828	N	0.128	E	5	G		0.9	9	PYRENEES. ML 2.1 (LDG), 1.5 (STR).
16	01	35	09.7?	27.83	N	142.12	E	33	N	4.4	0.5	9	BONIN ISLANDS REGION
16	01	56	00.2&	34.111	S	70.176	W	120	G		0.2	10	CHILE-ARGENTINA BORDER REGION
16	02	16	40.7?	43.36	N	139.07	E	232	?		0.6	10	EASTERN SEA OF JAPAN
16	02	28	45.1&	38.789	N	122.774	W	2				9	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.8 (GS).
16	03	25	37.1&	63.257	N	151.047	W	25				47	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
16	03	49	33.8	9.887	N	122.211	E	77	*	4.9	0.8	47	NEGROS, PHILIPPINE ISLANDS
16	05	13	04.0*	50.386	N	175.844	W	33	N		0.9	8	ANDREANOF ISLANDS, ALEUTIAN IS.
16	05	43	12.4	44.000	N	6.041	E	5	G		0.7	23	FRANCE. ML 2.2 (STR), 2.0 (LDG).
16	05	58	59.2*	5.156	N	125.263	E	192		4.8	0.8	22	MINDANAO, PHILIPPINE ISLANDS
16	06	14	46.4&	60.270	N	152.342	W	82		2.5		87	SOUTHERN ALASKA. <AEIC>.
16	07	12	07.4&	36.778	N	5.596	W	10	G		0.7	5	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
16	07	32	47.4?	32.40	S	69.93	W	120	G		0.2	8	MENDOZA PROVINCE, ARGENTINA
16	10	07	23.2?	37.79	N	72.20	E	33	N		0.6	7	TAJIKISTAN
16	10	23	00.1*	2.949	S	77.844	W	33	N	3.5	1.2	11	PERU-ECUADOR BORDER REGION
16	10	57	28.2*	20.717	S	169.425	E	100	G	4.8	1.0	24	VANUATU ISLANDS
16	11	03	16.2	37.456	N	20.635	E	33	N	4.3	1.4	75	IONIAN SEA
16	11	35	52.0&	28.093	N	103.932	E	33	N		1.2	13	SICHUAN, CHINA
16	12	02	05.7?	34.47	S	71.05	W	70	G		0.1	8	NEAR COAST OF CENTRAL CHILE
16	12	34	52.8?	23.91	S	69.43	E	10	G	4.5	0.5	8	MID-INDIAN RIDGE
16	12	46	59.4*	2.943	S	128.086	E	33	N	4.7	1.0	22	CERAM SEA
16	13	54	56.2&	17.873	N	101.150	W	33	N		1.1	8	NEAR COAST OF GUERRERO, MEXICO
16	14	41	06.6?	36.78	N	5.43	W	10	G		0.3	4	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
16	16	45	11.9*	10.366	N	93.450	E	100	G	4.5	1.4	12	ANDAMAN ISLANDS, INDIA
16	17	22	41.8&	45.281	N	6.598	E	5	G		0.9	6	FRANCE. ML 1.6 (LDG).
16	17	31	43.1?	1.32	S	12.80	W	10	G	4.2	0.2	5	NORTH OF ASCENSION ISLAND
16	18	54	00.1	14.752	S	72.852	W	109	D	4.7	1.2	44	CENTRAL PERU
16	19	09	32.1?	49.74	N	18.48	E	5	G		0.5	4	CZECH AND SLOVAK REPUBLICS
16	19	32	41.3*	40.962	N	23.754	E	5	G		1.0	17	GREECE. MD 3.7 (ISK).
16	19	45	58.0&	59.590	N	153.386	W	108		2.3		56	SOUTHERN ALASKA. <AEIC>.
16	20	22	33.9	35.557	N	140.194	E	68	D	4.6	1.2	50	NEAR EAST COAST OF HONSHU, JAPAN
16	20	49	49.3&	62.915	N	148.819	W	67				72	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.1 (PMR).
16	21	27	06.2	41.738	N	79.817	E	22	D	3.8	0.6	13	KYRGYZSTAN-XINJIANG BORDER REG.
16	21	50	01.0&	63.515	N	150.765	W	8				48	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
16	21	55	06.0&	61.931	N	147.874	W	36				70	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 2.8 (PMR).
16	23	01	03.3*	52.257	N	171.183	W	60	G		0.6	10	FOX ISLANDS, ALEUTIAN ISLANDS
16	23	23	09.8*	25.278	N	125.657	E	74	D	4.9	1.2	13	SOUTHWESTERN RYUKYU ISLANDS
17	00	48	21.7&	53.888	N	153.877	E	500	G		1.2	8	SEA OF OKHOTSK
17	01	05	10.5&	36.890	N	121.354	W	6				9	CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM). ML 2.8 (GS).
17	01	49	22.9*	0.345	S	28.298	W	10	G		0.7	6	CENTRAL MID-ATLANTIC RIDGE
17	02	34	00.2&	37.705	N	3.411	W	10	G		1.0	5	SPAIN. mbLg 2.5 (MDD).
17	03	20	34.6?	13.94	N	91.18	W	33	N	4.0	1.3	14	NEAR COAST OF GUATEMALA
17	03	40	23.1&	66.134	N	150.244	W	29				15	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
17	04	31	26.9	27.441	N	56.110	E	33	N	4.9 4.4	1.0	144	SOUTHERN IRAN. Felt in the Bandar-e Abbas area.
17	04	50	41.3	31.421	N	49.842	E	33	N	4.5	0.8	37	WESTERN IRAN. Felt at Izeh.
17	05	03	39.9	48.681	N	18.669	E	10	G		1.0	6	CZECH AND SLOVAK REPUBLICS. ML 2.6 (BRA).
17	05	25	01.4	44.377	N	7.312	E	10	G		0.7	22	NORTHERN ITALY. ML 2.0 (GEN), 1.6 (LDG), 1.4 (STR).
17	05	26	07.3&	44.381	N	7.300	E	10	G		0.4	6	NORTHERN ITALY. ML 1.8 (GEN).
17	06	04	55.9?	44.08	N	7.88	E	5	G		0.4	6	NORTHERN ITALY. ML 1.6 (LDG), 1.2 (STR).
17	06	13	46.9?	27.12	N	56.21	E	33	N		1.2	9	SOUTHERN IRAN
17	06	14	07.4?	32.63	S	71.68	W	15	G		0.6	10	NEAR COAST OF CENTRAL CHILE
17	08	31	24.3&	61.988	N	149.871	W	48				125	SOUTHERN ALASKA. <AEIC>. ML 4.3 (AEIC), 4.3 (PMR). Felt at Anchorage, Palmer, Talkeetna and Wasilla.
17	09	33	23.5&	61.814	N	149.603	W	47		4.7		160	SOUTHERN ALASKA. <AEIC>. ML 5.0 (AEIC), 4.8 (PMR). Felt in much of southcentral Alaska including Anchorage, Butte, Palmer and Wasilla.
17	09	52	27.6	35.239	N	140.659	E	33	N		0.9	13	NEAR EAST COAST OF HONSHU, JAPAN
17	10	53	40.5	47.699	N	14.295	E	5	G		0.7	15	AUSTRIA. ML 3.4 (VIE), 3.3 (GRF). Felt (IV) at Liezen.
17	11	14	02.2*	7.043	S	155.962	E	33	N	4.7	0.9	27	SOLOMON ISLANDS
17	12	18	09.1?	2.61	S	153.07	E	33	N	3.8	0.5	5	NEW IRELAND REGION, P.N.G.
17	12	23	54.4?	34.30	S	70.38	W	120	G		0.1	7	CHILE-ARGENTINA BORDER REGION
17	13	45	01.3	2.104	S	100.993	E	61	D	4.6	0.9	24	SOUTHERN SUMATERA, INDONESIA
17	14	28	51.8&	44.400	N	7.308	E	10	G		0.4	7	NORTHERN ITALY. ML 1.9 (GEN).
17	14	31	38.3?	34.44	S	70.46	W	120	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
17	14	42	09.9?	1.32	N	128.57	E	33	N	4.3	1.1	12	HALMAHERA, INDONESIA
17	15	12	47.7&	8.527	N	82.615	W	10	G		1.3	7	PANAMA-COSTA RICA BORDER REGION. MD 4.1 (UPA).
17	15	47	40.2*	3.280	S	145.439	E	33	N	4.2	0.6	10	NEAR N COAST OF NEW GUINEA, PNG.
17	16	48	42.3*	24.593	N	91.652	E	33	N		0.9	11	INDIA-BANGLADESH BORDER REGION
17	17	07	32.7	46.816	N	5.906	E	10	G		1.1	23	FRANCE. ML 2.9 (STR), 2.8 (LDG).
17	17	20	04.7	46.172	N	7.730	E	10	G		1.1	14	SWITZERLAND. ML 2.7 (STR), 2.2 (LDG).
17	17	51	49.3	15.061	S	75.559	W	27	D	4.9	1.0	46	NEAR COAST OF PERU
17	18	00	13.9	39.398	N	76.739	E	67		4.6	0.9	38	SOUTHERN XINJIANG, CHINA
17	18	48	54.0?	5.64	S	147.57	E	192	?	4.6	1.1	7	EASTERN NEW GUINEA REG., P.N.G.
17	19	04	45.6&	44.479	N	7.270	E	10	G		0.5	7	NORTHERN ITALY. ML 1.8 (GEN).
17	19	28	54.2*	51.773	N	178.047	W	33	N	3.2	1.2	11	ANDREANOF ISLANDS, ALEUTIAN IS.

17	20	23	23.8?	31.84	S	70.34	W	125	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
17	20	31	53.1	44.781	N	6.649	E	10	G		0.6	16	FRANCE. ML 1.9 (LDG), 1.9 (GEN).
17	20	38	53.6	44.762	N	6.668	E	5	G		0.7	26	FRANCE. ML 2.0 (LDG).
17	20	38	58.1&	44.892	N	6.808	E	5	G		0.8	7	FRANCE. ML 2.4 (LDG).
17	20	50	09.8&	32.800	S	70.926	W	70	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
17	21	15	31.1*	0.778	N	25.073	W	10	G	3.9	0.9	16	CENTRAL MID-ATLANTIC RIDGE
17	21	22	07.4?	5.74	S	154.51	E	400	G	3.7	1.4	8	SOLOMON ISLANDS
17	21	40	37.1*	7.210	S	128.022	E	100	G	4.1	1.3	12	BANDA SEA
17	21	46	37.7&	59.496	N	150.195	W	23				73	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
17	22	15	56.9?	33.96	S	72.20	W	35	G		0.6	9	OFF COAST OF CENTRAL CHILE. MD 3.5 (SAN).
17	22	36	19.0?	14.85	S	167.13	E	33	N	4.3	0.3	6	VANUATU ISLANDS
17	22	51	15.9?	25.58	S	179.90	W	450	G	4.7	0.9	14	SOUTH OF FIJI ISLANDS
17	22	53	50.4	36.811	N	54.670	E	33	N	4.7	0.8	23	NORTHERN IRAN. Felt in the Gorgan area.
17	22	55	28.0*	22.363	S	68.895	W	33	N		0.3	6	NORTHERN CHILE
17	23	04	15.4?	31.70	S	69.83	W	160	G		0.8	10	SAN JUAN PROVINCE, ARGENTINA
17	23	10	44.8&	45.448	N	6.145	E	10	G		0.4	5	FRANCE. ML 1.8 (LDG).
17	23	19	38.5&	65.153	N	148.631	W	10				23	NORTHERN ALASKA. <AEIC>. ML 2.9 (AEIC). Felt in the Hamilton Acres area of Fairbanks.
17	23	41	05.0&	43.974	N	7.966	E	10	G		0.5	6	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN).
18	00	47	03.2	43.258	N	0.950	W	10	G		1.0	53	PYRENEES. ML 3.7 (LDG), 3.5 (STR). mbLg 3.2 (MDD). Felt (IV) in the epicentral area.
18	00	54	40.2*	4.543	N	76.497	W	118		3.8	1.1	17	COLOMBIA. Felt at Cali.
18	02	03	19.5*	80.993	N	0.399	W	10	G		0.7	7	NORTH OF SVALBARD
18	02	15	56.7&	38.793	N	122.744	W	3				7	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.3 (BRK).
18	03	00	52.6?	13.86	N	91.14	W	33	N		1.4	8	NEAR COAST OF GUATEMALA
18	03	37	17.2?	32.10	S	70.85	W	100	G		0.5	9	CHILE-ARGENTINA BORDER REGION
18	04	11	02.6&	34.550	S	70.368	W	5	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
18	04	32	12.1?	32.63	N	93.91	E	33	N		0.8	7	XIZANG
18	05	13	20.0?	21.30	S	175.99	W	33	N	4.4	0.7	9	TONGA ISLANDS
18	05	29	41.5	51.675	N	16.193	E	5	G		0.7	21	POLAND. ML 3.9 (GRF), 3.5 (VIE).
18	06	30	26.2?	32.11	S	70.71	W	100	G		0.3	9	CHILE-ARGENTINA BORDER REGION
18	07	27	38.1?	23.47	S	176.47	W	100	G	4.4	0.6	9	SOUTH OF FIJI ISLANDS
18	08	43	47.4	39.421	N	26.284	E	10	G		1.0	31	TURKEY. MD 3.7 (ISK). Felt at Ayvalik.
18	08	47	44.8&	60.977	N	149.737	W	36				68	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
18	09	21	49.2&	59.955	N	140.943	W	6				19	SOUTHEASTERN ALASKA. <AEIC>. ML 2.8 (AEIC).
18	09	55	09.9	44.528	N	114.801	W	5	G		0.6	51	WESTERN IDAHO. ML 3.6 (GS), 3.8 (BUT). Felt in the epicentral area.
18	11	28	18.9*	7.031	S	129.252	E	100	G	3.9	1.0	9	BANDA SEA
18	11	39	42.2?	33.70	N	32.24	E	33	N		0.5	8	EASTERN MEDITERRANEAN SEA. MD 3.9 (ISK).
18	11	47	39.0&	63.464	N	151.195	W	11				88	CENTRAL ALASKA. <AEIC>. ML 3.8 (AEIC), 4.1 (PMR).
18	12	22	14.5?	24.79	S	179.39	E	500	G		1.0	6	SOUTH OF FIJI ISLANDS
18	12	36	17.0?	18.09	S	178.01	W	550	G	4.5	0.8	14	FIJI ISLANDS REGION
18	13	31	09.4	36.303	N	70.654	E	228	D	4.3	0.9	25	HINDU KUSH REGION, AFGHANISTAN
18	13	33	43.2&	33.468	S	71.314	W	50	G		0.9	8	NEAR COAST OF CENTRAL CHILE. MD 3.0 (SAN).
18	14	38	47.9*	6.723	N	73.055	W	178	*	4.1	0.9	20	NORTHERN COLOMBIA
18	14	44	58.8&	44.849	N	9.168	E	10	G		0.6	11	NORTHERN ITALY. ML 2.1 (GEN).
18	14	48	54.0&	36.601	N	2.926	W	10	G		0.3	5	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
18	14	54	41.5	53.338	N	164.665	W	33	N		0.5	11	UNIMAK ISLAND REGION
18	14	57	29.4?	32.96	S	72.14	W	20	G		0.6	10	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
18	15	26	32.0&	33.149	S	70.268	W	10	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
18	15	39	11.9&	44.827	N	9.083	E	10	G		0.5	12	NORTHERN ITALY. ML 2.1 (GEN).
18	15	55	25.1?	6.53	S	155.13	E	33	N	3.7	1.2	12	SOLOMON ISLANDS
18	16	26	15.9&	63.265	N	151.097	W	8				47	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.2 (PMR).
18	17	01	39.5?	22.73	S	174.91	W	33	N	4.5	0.7	7	TONGA ISLANDS REGION
18	17	51	36.9*	52.716	N	169.836	W	33	N		1.0	8	FOX ISLANDS, ALEUTIAN ISLANDS
18	18	01	34.9*	37.676	N	57.353	E	10	G	4.5	1.2	26	TURKMENISTAN-IRAN BORDER REGION
18	18	23	51.4	30.990	N	138.461	E	405		4.0	0.5	18	SOUTH OF HONSHU, JAPAN
18	18	43	16.4&	38.951	N	123.003	W	7				6	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK).
18	19	22	22.2?	18.53	N	66.12	W	90	G		0.4	8	PUERTO RICO REGION. MD 3.2 (MPR).
18	19	39	16.1*	6.154	S	150.418	E	33	N	4.2	1.2	16	NEW BRITAIN REGION, P.N.G.
18	20	02	51.7&	27.781	N	143.571	E	33	N		1.3	8	BONIN ISLANDS REGION
18	20	11	48.7*	36.390	N	30.819	E	10	G		0.5	5	TURKEY. MD 3.7 (ISK).
18	20	56	22.2&	34.097	N	117.735	W	5				4	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.3 (PAS). Felt in the Claremont area.
18	21	05	10.2*	39.594	N	73.710	E	33	N	3.2	0.6	15	TAJIKISTAN-XINJIANG BORDER REG.
18	21	09	56.6*	51.114	N	15.765	E	5	G		0.9	7	POLAND
18	21	13	47.6	22.846	N	94.929	E	33	N	4.7	0.9	42	MYANMAR
18	21	39	25.5	44.441	N	7.336	E	10	G		0.6	45	NORTHERN ITALY. ML 3.0 (STR), 2.9 (LDG).
18	21	42	38.9	44.572	N	10.110	E	50	G		1.1	139	NORTHERN ITALY. MD 3.6 (ROM).
18	21	43	35.9	30.664	N	70.252	E	33	N	4.3	0.7	18	PAKISTAN
18	22	48	46.2	25.310	S	179.636	E	500	G	5.0	0.9	67	SOUTH OF FIJI ISLANDS
18	23	10	47.5*	51.118	S	138.688	E	10	G	4.3	0.5	11	SOUTH OF AUSTRALIA
18	23	22	59.5	31.310	S	71.504	W	80	*		0.9	26	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
18	23	24	29.4*	6.807	S	154.793	E	33	N	4.1	1.3	23	SOLOMON ISLANDS
18	23	34	03.9?	15.64	N	98.25	W	33	N	3.9	1.3	17	OFF COAST OF GUERRERO, MEXICO
19	01	03	59.9	35.467	N	140.279	E	67	D	4.5	1.0	44	NEAR EAST COAST OF HONSHU, JAPAN. Felt in Chiba Prefecture. Also felt in the Tokyo area.
19	01	35	53.5	22.898	N	94.983	E	33	N	4.8	1.1	33	MYANMAR
19	02	12	48.7&	32.401	N	115.199	W	6				7	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. MD 2.8 (PAS).
19	02	13	37.0*	22.733	S	175.057	W	33	N	4.5	0.3	14	TONGA ISLANDS REGION
19	03	43	35.8&	45.330	N	6.507	E	5	G		1.3	5	FRANCE. ML 1.7 (LDG).
19	05	12	55.0	45.301	N	6.729	E	5	G		1.1	20	FRANCE. ML 2.6 (LDG).
19	05	13	53.1?	45.30	N	6.54	E	5	G		0.0	4	FRANCE. ML 1.8 (LDG).
19	05	59	35.5&	34.073	S	70.492	W	100	G		0.5	10	CHILE-ARGENTINA BORDER REGION
19	06	19	09.4*	51.340	N	156.613	E	115	D	2.9	0.8	17	KAMCHATKA
19	06	26	06.0*	58.082	N	142.725	W	10	G		0.6	21	GULF OF ALASKA. ML 2.5 (AEIC).
19	06	38	41.5?	35.28	N	94.10	E	33	N	3.3	1.4	7	QINGHAI, CHINA
19	07	00	50.5*	35.842	N	23.255	E	50	G	3.3	1.2	9	CRETE
19	07	09	57.3*	45.329	N	55.353	E	33	N	3.3	1.4	5	WESTERN KAZAKHSTAN
19	08	49	09.6	38.899	N	21.506	E	40	*	3.7	1.0	31	GREECE
19	09	49	28.9*	23.806	N	121.824	E	100	G		1.3	9	TAIWAN
19	09	52	54.2?	9.50	N	125.74	E	33	N	4.1	0.9	10	MINDANAO, PHILIPPINE ISLANDS

19	10	09	18.0?	32.81	N	141.87	E	100	G			1.5	5	SOUTH OF HONSHU, JAPAN
19	10	11	38.2&	34.546	S	70.377	W	5	G			0.5	9	CHILE-ARGENTINA BORDER REGION
19	10	15	41.7?	21.81	N	143.16	E	100	G	3.4		1.3	12	MARIANA-ISLANDS REGION
19	10	28	57.2	19.276	N	64.387	W	33	N	4.4		1.1	58	VIRGIN ISLANDS. MD 4.7 (TRN), 4.5 (MPR).
19	10	52	24.7*	30.318	N	138.568	E	400	G	3.8		1.0	17	SOUTH OF HONSHU, JAPAN
19	10	55	12.6*	11.858	N	86.731	W	100	G	3.9		1.1	16	NEAR COAST OF NICARAGUA
19	10	55	36.3&	40.708	N	29.755	E	10	G			0.4	7	TURKEY. MD 3.0 (ISK).
19	10	57	34.7*	40.732	N	30.350	E	10	G			0.6	8	TURKEY. MD 3.4 (ISK).
19	11	13	15.3?	40.71	N	29.66	E	10	G			0.1	4	TURKEY. MD 2.7 (ISK).
19	12	19	15.2?	31.49	S	70.07	W	150	G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
19	12	35	57.4?	16.87	N	93.74	W	150	G	3.0		1.2	7	CHIAPAS, MEXICO
19	12	39	09.2?	40.68	N	29.83	E	15	G			0.3	6	TURKEY. MD 2.9 (ISK).
19	12	52	24.2*	4.694	S	144.378	E	123	?	4.0		1.5	14	NEAR N COAST OF NEW GUINEA, PNG.
19	13	42	25.3	17.685	S	178.924	W	600	G	4.8		0.8	50	FIJI ISLANDS REGION
19	13	49	51.8	14.423	N	120.772	E	100	G	4.4		0.8	20	LUZON, PHILIPPINE ISLANDS
19	13	57	24.5*	10.686	N	41.237	W	10	G	3.3		0.8	9	NORTHERN MID-ATLANTIC RIDGE
19	14	39	37.1?	40.68	N	29.72	E	10	G			0.3	4	TURKEY. MD 2.6 (ISK).
19	15	54	29.6	45.325	N	150.016	E	33	N	4.9		1.0	72	KURIL ISLANDS
19	17	38	28.9*	5.007	S	150.603	E	50	G	4.2		1.0	11	NEW BRITAIN REGION, P.N.G.
19	18	08	50.9?	34.83	S	106.50	W	10	G	4.8		1.3	22	SOUTHERN EAST PACIFIC RISE
19	18	25	12.5	4.564	N	76.494	W	101	D	5.5		0.9	329	COLOMBIA. Mw 5.8 (GS), 5.8 (HRV). MD 5.1 (UPA). Some minor damage to buildings at Armenia and Pereira. Felt in Antioquia, Caldas, Cauca, Quindio, Risaralda and Valle del Cauca Departments. Moment Tensor (GS): Dep 105; Principal axes (scale 10**17 Nm): (T) Val=5.76, Plg=75, Azm=207; (N) Val=1.08, Plg=4, Azm=311; (P) Val=-6.84, Plg=14, Azm=42; Best double couple: Mo=6.3*10**17 Nm; NP1: Strike=137, Dip=31, Slip=97; NP2: Strike=308, Dip=60, Slip=86. Centroid, Moment Tensor (HRV): Centroid origin time 18:25:19.5; Lat 4.78 N; Lon 76.50 W; Dep 118.1; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=5.14, Plg=80, Azm=150; (N) Val=1.32, Plg=10, Azm=307; (P) Val=-6.46, Plg=4, Azm=38; Best double couple: Mo=5.8*10**17 Nm; NP1: Strike=138, Dip=42, Slip=105; NP2: Strike=299, Dip=50, Slip=77.
19	18	38	33.9?	40.76	N	30.23	E	10	G			0.3	6	TURKEY. MD 2.8 (ISK).
19	18	41	55.5	46.206	N	7.746	E	5	G			0.7	41	SWITZERLAND. ML 2.7 (LDG).
19	18	43	24.0?	45.97	N	148.74	E	300	G			1.2	13	KURIL ISLANDS
19	19	45	21.6?	22.99	S	169.37	E	100	G	4.3		0.9	14	LOYALTY ISLANDS REGION
19	19	59	27.1?	36.01	N	141.48	E	33	N			1.0	5	NEAR EAST COAST OF HONSHU, JAPAN
19	20	00	20.4	31.482	S	71.825	W	33	N	4.7		1.1	24	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
19	20	03	50.5?	61.73	S	55.85	W	33	N	4.1		1.2	7	SOUTH SHETLAND ISLANDS
19	20	21	48.0	37.403	N	141.065	E	84	D	5.3		0.9	208	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.5 (HRV). Felt (IV JMA) in eastern Fukushima and northern Tochigi Prefectures. Centroid, Moment Tensor (HRV): Centroid origin time 20:21:49.2; Lat 37.21 N; Lon 141.22 E; Dep 96.1; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.93, Plg=36, Azm=280; (N) Val=0.30, Plg=21, Azm=26; (P) Val=-2.22, Plg=46, Azm=139; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=312, Dip=22, Slip=-165; NP2: Strike=208, Dip=85, Slip=-69.
19	21	53	46.0	52.980	N	6.734	E	5	G			1.3	18	THE NETHERLANDS. ML 3.0 (UCC).
19	23	11	41.1&	62.350	N	151.008	W	75					86	CENTRAL ALASKA. <AEIC>.
19	23	28	42.7&	40.466	N	27.954	E	5	G			0.8	7	TURKEY. MD 3.0 (ISK).
19	23	34	16.0*	7.457	S	128.488	E	100	G	4.2		1.4	11	BANDA SEA
20	00	12	38.7*	44.794	N	146.587	E	150	G	3.4		0.8	15	KURIL ISLANDS
20	01	10	23.3	47.099	N	11.176	E	10	G			0.1	6	AUSTRIA. ML 1.1 (VIE).
20	02	27	39.9?	36.25	N	4.62	W	50	G			1.4	9	STRAIT OF GIBRALTAR
20	03	12	40.8	18.299	N	105.416	W	53	*	4.6		1.0	53	OFF COAST OF JALISCO, MEXICO
20	03	17	59.5?	18.30	S	179.48	W	600	G	4.4		0.8	11	FIJI ISLANDS REGION
20	03	22	10.5	13.494	N	90.335	W	75	D	4.7		1.3	76	NEAR COAST OF GUATEMALA. MD 4.7 (SSS). Felt (IV) at San Salvador, El Salvador.
20	03	29	54.4*	45.388	N	146.349	E	33	N	4.3		1.1	13	KURIL ISLANDS
20	03	36	53.2*	0.990	N	126.373	E	33	N	4.5		0.9	18	NORTHERN MOLUCCA SEA
20	04	18	06.5?	23.22	S	169.93	E	33	N			1.1	7	LOYALTY ISLANDS REGION
20	04	30	03.3*	51.544	N	177.872	W	33	N	3.7		1.0	11	ANDREANOF ISLANDS, ALEUTIAN IS.
20	05	05	36.7?	32.39	S	70.17	W	120	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
20	05	07	31.7&	33.584	S	71.914	W	20	G			0.6	10	NEAR COAST OF CENTRAL CHILE. MD 2.9 (SAN).
20	05	12	24.5?	32.19	S	71.46	W	40	G			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
20	05	15	17.0	43.102	N	0.714	W	15	G			0.4	8	PYRENEES. ML 1.7 (LDG).
20	05	46	12.6&	62.371	N	151.021	W	71					58	CENTRAL ALASKA. <AEIC>.
20	06	30	27.0?	17.05	N	105.22	W	33	N	3.2		1.3	10	OFF COAST OF JALISCO, MEXICO
20	07	04	03.2*	53.880	N	87.651	E	33	N	3.6		0.8	6	SOUTHWESTERN SIBERIA, RUSSIA
20	07	23	10.9?	32.25	S	70.22	W	110	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
20	07	40	42.8&	30.498	N	142.144	E	33	N			0.7	6	SOUTH OF HONSHU, JAPAN
20	07	54	58.4	41.859	N	142.742	E	33	N	5.4	5.5	0.9	304	HOKKAIDO, JAPAN REGION. Mw 6.0 (GS), 6.0 (HRV). Felt (V JMA) at Urakawa, Honshu. Felt in Aomori and Iwate Prefectures, Honshu. Also felt (III) at Yuzhno-Kurilsk, Kunashir. Moment Tensor (GS): Dep 41; Principal axes (scale 10**18 Nm): (T) Val=1.23, Plg=64, Azm=268; (N) Val=-0.07, Plg=12, Azm=24; (P) Val=-1.16, Plg=23, Azm=119; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=232, Dip=25, Slip=120; NP2: Strike=19, Dip=69, Slip=77. Centroid, Moment Tensor (HRV): Centroid origin time 07:55:03.1; Lat 41.70 N; Lon 143.22 E; Dep 51.0 Bdy; Half-duration 2.5 sec; Principal axes (scale 10**18 Nm): (T) Val=1.15, Plg=67, Azm=289; (N) Val=0.07, Plg=4, Azm=28; (P) Val=-1.22, Plg=23, Azm=119; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=217, Dip=23, Slip=100; NP2: Strike=26, Dip=68, Slip=86. Scalar Moment (PPT): Mo=1.8*10**18 Nm.

20	08	11	06.5	24.012	S	179.441	E	600	G	4.3	0.5	9	SOUTH OF FIJI ISLANDS
20	09	49	49.5*	5.702	S	104.872	E	50	G	4.6	1.4	27	SOUTHERN SUMATERA, INDONESIA
20	10	03	37.7?	10.07	N	60.65	W	5	G	3.5	1.3	5	TRINIDAD. MD 4.0 (TRN).
20	10	15	58.2?	9.84	N	60.32	W	10	G		0.6	6	NEAR COAST OF VENEZUELA. MD 3.4 (TRN).
20	10	31	31.5?	10.34	N	60.98	W	15	G		0.7	5	TRINIDAD. MD 3.4 (TRN).
20	10	39	24.9?	6.33	S	103.89	E	50	G		0.1	5	SOUTHWEST OF SUMATERA, INDONESIA
20	10	41	53.3?	24.38	N	121.95	E	50	G	3.4	0.3	5	TAIWAN
20	10	48	43.7?	51.06	N	176.90	W	33	N	4.1	1.1	5	ANDREANOF ISLANDS, ALEUTIAN IS.
20	10	50	08.8*	24.085	N	122.666	E	50	G		0.8	9	TAIWAN REGION
20	11	03	51.6	43.536	N	127.076	W	10	G	3.7	0.6	91	OFF COAST OF OREGON
20	11	24	05.3?	55.62	N	161.08	W	33	N		1.4	5	ALASKA PENINSULA. ML 3.7 (PMR). Felt (III) at Cold Bay.
20	12	24	47.0&	61.381	N	151.911	W	89				82	SOUTHERN ALASKA. <AEIC>.
20	12	37	38.1	43.066	N	0.655	W	5	G		0.7	17	PYRENEES. ML 2.7 (LDG), 2.4 (STR). Felt at Issor, France.
20	13	58	16.3*	42.882	S	82.084	W	10	G	4.7	1.1	16	WEST CHILE RISE
20	14	24	26.9	43.803	N	18.300	E	10	G	3.8	1.3	70	NORTHWESTERN BALKAN REGION. ML 3.9 (VIE). Minor damage at Sarajevo, Bosnia and Herzegovina. Also felt at Tuzla, Bosnia and Herzegovina.
20	14	48	56.8?	19.02	S	177.84	W	550	G		1.0	9	FIJI ISLANDS REGION
20	14	50	20.0	44.357	N	7.264	E	15	G		0.3	14	NORTHERN ITALY. ML 2.1 (GEN), 1.6 (STR).
20	15	01	04.1*	57.025	N	7.446	E	10	G		1.5	5	NORTH SEA
20	15	14	12.3*	2.716	N	128.421	E	219	*	4.4	0.7	17	HALMAHERA, INDONESIA
20	15	39	33.4	47.754	N	7.411	E	20	G		1.2	38	SWITZERLAND. ML 3.2 (LDG), 3.1 (STR), 3.1 (VIE).
20	16	29	47.3*	17.605	N	119.862	E	33	N	3.8	1.0	9	PHILIPPINE ISLANDS REGION
20	18	51	48.9?	15.69	S	67.80	E	10	G		1.4	6	MID-INDIAN RIDGE
20	19	24	21.0?	40.45	N	28.89	E	10	G		1.2	4	TURKEY. MD 2.6 (ISK).
20	19	37	56.7*	30.198	N	96.552	E	33	N		1.1	15	XIZANG
20	19	54	08.4	37.026	N	72.751	E	79	D	4.3	1.0	19	TAJIKISTAN
20	19	54	27.1%	10.591	N	61.331	W	33	N		0.3	6	TRINIDAD. MD 2.7 (TRN).
20	21	18	06.0%	37.552	N	2.776	W	10	G		1.0	12	SPAIN. mbLg 2.7 (MDD).
20	21	18	30.6*	55.640	N	157.147	W	33	N		1.2	10	ALASKA PENINSULA
20	21	21	34.1	23.627	S	179.897	W	550	G	4.9	0.8	40	SOUTH OF FIJI ISLANDS
20	22	20	11.7?	32.81	S	70.15	W	100	G		0.7	9	CHILE-ARGENTINA BORDER REGION
20	23	26	17.0%	36.392	N	70.770	E	250	*		1.0	13	HINDU KUSH REGION, AFGHANISTAN
21	00	03	57.5?	33.11	S	71.86	W	10	G		0.3	8	NEAR COAST OF CENTRAL CHILE
21	01	51	13.1%	44.261	N	7.761	E	5	G		0.3	6	NORTHERN ITALY. ML 1.7 (GEN).
21	02	03	50.9	43.111	N	0.690	W	5	G		0.3	7	PYRENEES. ML 0.9 (STR).
21	02	32	19.8&	61.005	N	146.093	W	28				58	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
21	02	54	34.4	38.891	N	21.491	E	60	*	3.9	1.0	31	GREECE
21	02	59	04.8*	36.371	N	71.036	E	150	G	4.1	0.8	20	AFGHANISTAN-TAJIKISTAN BORD REG.
21	03	29	45.9?	22.96	S	112.02	W	10	G	4.1	1.5	7	EASTER ISLAND REGION
21	03	34	58.1?	52.41	N	171.29	E	33	N		0.4	7	NEAR ISLANDS, ALEUTIAN ISLANDS
21	04	09	05.9%	45.294	N	5.871	E	5	G		1.4	8	FRANCE. ML 2.1 (LDG).
21	04	14	28.1&	34.463	N	115.887	W	6	G			3	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.7 (PAS). Felt.
21	04	33	24.5%	33.726	S	70.403	W	15	G		0.2	5	CHILE-ARGENTINA BORDER REGION
21	04	33	33.7*	15.244	S	167.482	E	100	G		0.9	32	VANUATU ISLANDS
21	04	56	06.9?	43.07	N	0.53	W	5	G		1.7	4	PYRENEES. ML 2.0 (LDG).
21	04	59	52.7%	66.685	N	172.596	W	10	G		0.4	7	NEAR N. COAST OF EASTERN SIBERIA
21	05	08	47.9*	37.261	N	22.722	E	50	G		0.6	11	SOUTHERN GREECE
21	05	22	07.0&	60.843	N	151.775	W	84				59	KENAI PENINSULA, ALASKA. <AEIC>.
21	05	28	28.3?	3.20	S	148.20	E	33	N	4.4	1.1	11	BISMARCK SEA
21	06	07	39.7%	37.587	N	2.755	W	10	G		0.6	15	SPAIN. mbLg 2.9 (MDD). Felt (III) in the Baza area.
21	06	09	09.3?	4.18	N	125.66	E	100	G	4.2	0.4	6	TALAUD ISLANDS, INDONESIA
21	06	23	07.4?	43.08	N	0.12	W	5	G		0.8	4	PYRENEES. ML 1.9 (LDG).
21	07	02	42.8&	61.720	N	151.247	W	69				65	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
21	07	13	02.4%	33.128	S	70.746	W	80	G		0.6	10	CHILE-ARGENTINA BORDER REGION. MD 1.9 (SAN).
21	08	15	53.6	35.641	N	141.122	E	33	N		0.9	14	NEAR EAST COAST OF HONSHU, JAPAN
21	08	30	06.4	51.728	N	177.625	E	49	*	4.9 4.4	1.0	135	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:30:11.0; Lat 51.91 N; Lon 177.29 E; Dep 27.8; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.32, Plg=39, Azm=79; (N) Val=-0.40, Plg=26, Azm=192; (P) Val=-0.92, Plg=39, Azm=306; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=102, Dip=26, Slip=180; NP2: Strike=192, Dip=90, Slip=64.
21	08	38	39.6*	34.357	N	24.725	E	33	N	3.9	1.1	19	CRETE
21	08	54	38.9&	63.975	N	150.557	W	11		2.7		60	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC).
21	09	01	37.7*	43.017	N	141.087	E	170	*	4.1	1.4	20	HOKKAIDO, JAPAN REGION
21	09	30	36.0?	30.84	S	178.85	E	600	G	3.8	0.8	11	KERMADEC ISLANDS REGION
21	09	37	07.0*	38.534	N	73.748	E	100	G		0.8	10	TAJIKISTAN-XINJIANG BORDER REG.
21	10	02	52.4?	0.65	N	25.32	W	10	G	4.3	1.3	7	CENTRAL MID-ATLANTIC RIDGE
21	10	12	53.7*	29.142	N	34.652	E	10	G		0.8	21	EGYPT. ML 4.4 (JER).
21	11	35	10.9?	14.89	S	167.10	E	100	G		0.7	20	VANUATU ISLANDS
21	11	44	04.3?	34.60	S	70.26	W	5	G		0.7	7	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
21	12	31	16.3*	9.590	N	126.417	E	132	*	4.3	0.8	14	MINDANAO, PHILIPPINE ISLANDS
21	12	34	48.8	18.386	N	145.143	E	443		4.5	1.0	67	MARIANA ISLANDS
21	13	18	47.6%	46.860	N	152.738	E	33	N		1.0	9	KURIL ISLANDS
21	13	23	25.0&	34.397	N	119.697	W	2				30	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.6 (PAS). Felt at Santa Barbara.
21	13	37	44.4%	34.386	S	71.353	W	70	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 2.2 (SAN).
21	14	14	31.3*	20.252	S	69.764	W	100	G		1.1	8	NORTHERN CHILE
21	14	21	09.1*	7.512	N	126.804	E	100	G		1.2	12	MINDANAO, PHILIPPINE ISLANDS
21	14	29	15.1*	39.491	N	77.352	E	59	*	4.3	1.3	17	SOUTHERN XINJIANG, CHINA. Felt strongly in the epicentral area.
21	14	55	00.4?	18.00	S	175.37	W	300	G	4.0	0.5	12	TONGA ISLANDS
21	14	55	33.8*	55.363	S	26.445	W	33	N		0.9	12	SOUTH SANDWICH ISLANDS REGION
21	16	01	40.7*	6.936	S	128.092	E	300	G	4.5	1.1	10	BANDA SEA
21	16	07	46.8?	1.68	S	100.42	E	33	N		1.5	6	SOUTHERN SUMATERA, INDONESIA
21	16	20	22.7?	17.57	S	178.50	W	600	G		0.7	5	FIJI ISLANDS REGION
21	17	13	22.3	58.989	N	145.716	W	10	G		0.8	70	GULF OF ALASKA. ML 3.8 (PMR), 3.6 (AEIC).
21	17	16	54.9*	12.284	N	144.189	E	53	*	3.8	0.8	11	SOUTH OF MARIANA ISLANDS
21	17	24	11.0	48.625	N	152.887	E	181	D	4.6	0.8	99	KURIL ISLANDS
21	17	31	12.2%	34.538	S	70.385	W	5	G		0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
21	18	16	49.5?	0.20	S	26.24	W	10	G	3.7	1.0	5	CENTRAL MID-ATLANTIC RIDGE

21	18	36	02.1&	44.793	N	6.698	E	5	G			0.6	8	FRANCE. ML 1.8 (LDG).
21	19	01	08.7?	11.65	N	88.37	W	33	N	4.0		0.9	8	OFF COAST OF CENTRAL AMERICA
21	19	35	58.8*	4.618	S	101.962	E	100	G	4.5		1.1	17	SOUTHERN SUMATERA, INDONESIA
21	19	51	32.9	44.828	N	6.675	E	5	G			0.8	53	FRANCE. ML 2.8 (LDG), 2.7 (GEN), 2.6 (STR).
21	20	01	45.0	44.835	N	6.679	E	5	G			0.8	54	FRANCE. ML 2.8 (LDG), 2.6 (GEN), 2.6 (STR).
21	20	24	13.8*	51.621	N	16.270	E	5	G			0.9	8	POLAND. MG 2.4 (WAR).
21	20	39	43.7?	6.26	S	103.61	E	100	G			0.6	9	SOUTHWEST OF SUMATERA, INDONESIA
21	21	15	44.8*	23.949	N	122.365	E	33	N			1.4	9	TAIWAN REGION
21	22	20	28.2*	23.532	S	68.141	W	100	G	4.2		1.0	9	NORTHERN CHILE
21	22	22	35.1?	37.76	N	20.99	E	33	N			0.6	7	IONIAN SEA
21	22	32	12.5?	19.45	S	178.19	W	550	G	4.0		0.4	8	FIJI ISLANDS REGION
21	23	04	59.5	43.037	N	0.685	W	5	G			0.4	9	PYRENEES. ML 2.2 (LDG), 1.7 (STR).
21	23	05	23.3	43.043	N	0.685	W	5	G			0.4	7	PYRENEES. ML 2.0 (LDG), 1.6 (STR).
21	23	07	17.7	6.673	S	129.117	E	150	G	4.5		0.9	30	BANDA SEA
21	23	40	24.1	43.829	N	149.167	E	33	N	6.1	5.6	0.9	411	EAST OF KURIL ISLANDS. Mw 6.6 (OBN), 6.1 (HRV), 6.0 (GS). Me 6.8 (GS). Felt (II) at Kurilsk. Broadband Source Parameters (GS): NP1: Strike=140, Dip=70, Slip=0; NP2: Strike=230, Dip=90, Slip=-160; Radiated energy 3.1*10**14 Nm. Moment Tensor (GS): Dep 27; Principal axes (scale 10**18 Nm): (T) Val=1.17, Plg=20, Azm=359; (N) Val=0.00, Plg=69, Azm=188; (P) Val=-1.17, Plg=3, Azm=90; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=136, Dip=74, Slip=13; NP2: Strike=43, Dip=78, Slip=163. Centroid, Moment Tensor (HRV): Centroid origin time 23:40:26.9; Lat 43.90 N; Lon 149.22 E; Dep 31.3; Half-duration 2.7 sec; Principal axes (scale 10**18 Nm): (T) Val=1.68, Plg=22, Azm=2; (N) Val=-0.35, Plg=62, Azm=224; (P) Val=-1.33, Plg=17, Azm=99; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=141, Dip=62, Slip=3; NP2: Strike=50, Dip=87, Slip=152. Moment Tensor (OBN): Principal axes: (T) Plg=52, Azm=352; (N) Plg=29, Azm=217; (P) Plg=22, Azm=114; Best double couple: Mo=8.4*10**18 Nm; NP1: Strike=162, Dip=35, Slip=30; NP2: Strike=47, Dip=73, Slip=121.
22	01	17	52.4?	37.23	N	56.90	E	10	G			1.1	7	NORTHERN IRAN
22	01	44	03.2&	45.709	N	26.356	E	10	G			0.2	5	ROMANIA
22	01	48	34.4?	7.60	N	82.42	W	10	G			0.5	5	SOUTH OF PANAMA. MD 3.9 (UPA).
22	02	57	22.7*	0.666	N	25.927	W	10	G	4.4		1.2	18	CENTRAL MID-ATLANTIC RIDGE
22	03	02	08.5*	3.577	N	126.633	E	33	N	4.4		1.1	20	TALAUD ISLANDS, INDONESIA
22	03	03	29.2&	13.054	N	88.999	W	33	N			0.2	10	EL SALVADOR. MD 2.8 (SSS). Felt (II) at San Salvador.
22	03	22	47.1	20.995	S	179.028	W	600	G	4.5		1.0	44	FIJI ISLANDS REGION
22	03	56	14.7&	60.075	N	152.548	W	100					52	SOUTHERN ALASKA. <AEIC>.
22	04	25	45.0	51.629	N	16.214	E	5	G			0.9	18	POLAND. ML 3.5 (GRF), 3.4 (VIE).
22	05	20	23.7&	61.014	N	150.941	W	49					63	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.5 (PMR).
22	05	34	40.6&	62.332	N	151.023	W	78					39	CENTRAL ALASKA. <AEIC>.
22	05	38	04.7*	36.433	N	71.088	E	218	?	3.2		1.5	14	AFGHANISTAN-TAJIKISTAN BORD REG.
22	06	09	15.9*	11.732	S	74.886	W	33	N	3.6		1.1	12	CENTRAL PERU. Felt in the Huancayo area.
22	06	17	47.0&	59.410	N	152.990	W	81					30	SOUTHERN ALASKA. <AEIC>.
22	07	21	44.1&	58.899	N	152.993	W	62					44	KODIAK ISLAND REGION. <AEIC>. ML 2.9 (AEIC).
22	08	20	44.8*	15.772	S	124.669	W	10	G	4.7		0.8	41	SOUTH PACIFIC OCEAN
22	08	48	37.8?	22.09	S	126.48	E	10	G	3.8		1.7	9	WESTERN AUSTRALIA
22	09	19	26.8&	39.640	N	28.711	E	10	G			0.7	8	TURKEY. MD 2.9 (ISK).
22	10	16	37.6	39.166	N	71.652	E	90	D	4.5		0.9	45	TAJIKISTAN
22	10	21	13.1?	51.04	N	178.89	W	33	N	3.3		1.0	7	ANDREANOF ISLANDS, ALEUTIAN IS.
22	10	52	32.7	51.625	N	16.165	E	5	G	3.8		1.0	34	POLAND. ML 4.1 (GRF), 3.9 (FUR), 3.9 (VIE).
22	12	05	03.1?	22.74	S	177.45	W	200	G	4.2		1.0	15	SOUTH OF FIJI ISLANDS
22	12	07	34.4	51.627	N	16.182	E	5	G	3.6		0.9	31	POLAND. ML 3.9 (GRF), 3.5 (VIE).
22	12	19	06.9?	18.24	S	177.30	W	33	N	4.8		1.3	23	FIJI ISLANDS REGION
22	12	29	03.7*	51.648	N	16.335	E	5	G			1.2	8	POLAND
22	13	04	40.1?	51.53	N	177.55	E	82	*	3.6		0.6	9	RAT ISLANDS, ALEUTIAN ISLANDS
22	13	05	56.0?	35.89	N	140.93	E	33	N			0.6	5	NEAR EAST COAST OF HONSHU, JAPAN
22	13	13	48.4*	19.133	S	176.710	W	33	N	4.8		0.9	25	FIJI ISLANDS REGION
22	13	28	43.2*	51.543	N	176.815	W	50	G			1.1	9	ANDREANOF ISLANDS, ALEUTIAN IS.
22	14	31	17.5*	11.783	S	166.505	E	33	N	4.6		1.3	24	SANTA CRUZ ISLANDS
22	15	08	55.4	6.652	S	155.067	E	33	N	4.4		1.0	29	SOLOMON ISLANDS
22	15	22	52.8	0.460	N	122.236	E	164	*	5.0		1.1	50	MINAHASSA PENINSULA, SULAWESI
22	16	38	32.1?	34.46	S	70.53	W	110	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
22	17	03	54.9*	13.932	N	90.748	W	33	N	4.3		1.3	34	NEAR COAST OF GUATEMALA
22	18	31	19.1&	60.275	N	141.616	W	8					18	SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC).
22	18	42	40.3*	37.787	N	72.992	E	200	G	3.4		1.4	11	TAJIKISTAN
22	19	13	05.6?	32.84	S	68.07	W	5	G			0.5	8	MENDOZA PROVINCE, ARGENTINA
22	19	16	03.0&	8.264	N	126.318	E	100	G			1.2	10	MINDANAO, PHILIPPINE ISLANDS
22	19	26	03.9*	38.756	N	26.542	E	10	G			1.0	8	AEGEAN SEA. MD 3.6 (ISK).
22	19	31	18.6	38.423	N	22.035	E	33	N	4.3		1.1	94	GREECE. ML 4.0 (THE). Felt at Aiyion and Patrai.
22	19	39	56.8&	40.695	N	29.680	E	10	G			0.4	5	TURKEY. MD 3.1 (ISK).
22	19	58	56.8&	44.197	N	6.123	E	5	G			0.4	9	FRANCE. ML 1.6 (LDG).
22	20	57	31.6	5.855	S	148.369	E	105	D	5.0		0.8	37	NEW BRITAIN REGION, P.N.G.
22	21	07	29.2&	36.819	N	4.016	W	87	?			0.6	12	STRAIT OF GIBRALTAR
22	22	11	18.3&	59.965	N	153.262	W	124					25	SOUTHERN ALASKA. <AEIC>.
22	22	28	17.9&	38.251	N	22.020	E	10	G			1.3	9	GREECE
22	23	05	11.4&	36.984	N	121.761	W	15					9	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
23	00	23	34.3	56.703	N	158.609	W	95		4.6		1.1	39	ALASKA PENINSULA
23	00	35	47.1	63.908	N	21.972	W	10	G	3.9		1.1	21	ICELAND REGION
23	00	40	37.1	17.597	S	178.751	W	600	G	5.0		0.9	55	FIJI ISLANDS REGION
23	00	54	22.7*	15.739	N	93.035	W	122	*	4.1		1.5	13	NEAR COAST OF CHIAPAS, MEXICO
23	01	39	31.2	5.295	S	34.818	E	10	G	4.6		1.1	38	TANZANIA
23	02	31	01.4?	38.66	N	26.82	E	10	G			0.7	4	AEGEAN SEA. MD 3.0 (ISK).
23	02	45	39.8?	36.91	N	4.11	W	50	G			0.6	6	STRAIT OF GIBRALTAR
23	03	43	33.1&	33.738	N	116.043	W	8					46	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.8 (PAS). ML 3.9 (GS). Felt in the Coachella Valley.
23	03	44	59.2&	33.738	N	116.043	W	7					20	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.5 (PAS). Felt in the Coachella Valley.

23	03	48	51.1&	33.738	N	116.041	W	8				31	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.1 (PAS). ML 3.1 (GS). Felt in the Coachella Valley.
23	04	24	36.8*	20.859	S	68.868	W	113 D	4.1		1.1	9	CHILE-BOLIVIA BORDER REGION
23	04	58	16.4%	32.894	S	71.454	W	70 G			0.8	10	NEAR COAST OF CENTRAL CHILE. MD 2.5 (SAN).
23	05	09	05.5	46.742	N	7.152	E	10 G			0.8	18	SWITZERLAND. ML 2.7 (STR), 2.5 (LDG).
23	05	19	18.0	44.362	N	7.293	E	15			0.3	20	NORTHERN ITALY. ML 2.2 (GEN), 1.8 (LDG).
23	08	23	20.4%	34.441	S	70.696	W	90 G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
23	08	24	33.3?	39.06	N	27.73	E	10 G			0.2	4	TURKEY. MD 2.7 (ISK).
23	08	45	02.4	63.986	N	21.930	W	10 G	4.0		1.0	19	ICELAND REGION
23	09	03	47.4*	16.586	S	69.753	W	182	4.5		1.1	21	PERU-BOLIVIA BORDER REGION
23	09	40	37.5?	24.00	N	122.18	E	33 N	3.5		1.1	6	TAIWAN REGION
23	10	00	52.2&	62.695	N	148.818	W	64				59	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 2.6 (PMR).
23	10	40	35.4?	7.59	S	117.26	E	401 ?	4.1		0.9	9	BALI SEA
23	11	53	50.4*	39.776	N	76.755	E	33 N	3.5		1.2	8	SOUTHERN XINJIANG, CHINA
23	11	54	32.2	46.578	N	9.595	E	10 G			0.3	6	SWITZERLAND. ML 2.2 (VIE).
23	12	08	07.6?	34.49	S	70.38	W	10 G			0.2	6	CHILE-ARGENTINA BORDER REGION
23	12	31	01.4?	40.39	N	28.94	E	10 G			0.9	4	TURKEY. MD 2.6 (ISK).
23	13	20	54.9?	39.08	N	27.72	E	10 G			0.6	4	TURKEY. MD 2.9 (ISK).
23	13	22	44.4*	36.713	N	58.763	E	33 N	3.5		0.7	12	NORTHERN IRAN. Felt at Mashhad.
23	14	09	09.5	50.557	N	18.894	E	5 G			1.1	13	POLAND. ML 3.2 (VIE).
23	14	30	47.8&	39.606	N	120.162	W	4				6	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
23	14	37	51.0%	34.526	S	70.383	W	5 G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
23	15	13	31.4%	42.786	N	6.778	W	10 G			0.3	5	SPAIN. mbLg 2.8 (MDD).
23	16	17	17.8%	43.436	N	4.677	E	10 G			0.6	6	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
23	16	28	45.8?	30.94	N	40.96	W	10 G			1.3	9	NORTHERN MID-ATLANTIC RIDGE
23	17	06	34.0?	37.74	N	3.87	W	10 G			0.1	4	SPAIN. mbLg 2.7 (MDD).
23	17	09	05.8	36.066	N	70.839	E	126 *	4.3		1.0	28	HINDU KUSH REGION, AFGHANISTAN
23	17	09	49.5	43.725	N	6.260	E	10 G			0.9	15	NEAR SOUTH COAST OF FRANCE. ML 1.9 (LDG).
23	17	26	59.8?	37.53	N	56.59	E	10 G	4.6		1.3	6	NORTHERN IRAN
23	18	18	33.9&	39.633	N	120.082	W	5				14	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.1 (BRK).
23	18	28	02.6?	16.35	S	176.67	W	400 G	4.0		1.1	22	FIJI ISLANDS REGION
23	18	32	59.1%	46.507	N	2.475	E	10 G			0.3	5	FRANCE. ML 1.3 (LDG).
23	18	51	51.0*	37.618	N	57.342	E	10 G	4.4		1.3	21	TURKMENISTAN-IRAN BORDER REGION
23	19	46	05.2&	38.654	N	119.610	W	5				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
23	19	54	59.5	21.973	S	179.589	W	612 D	5.0		0.9	128	FIJI ISLANDS REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:55:00.7; Lat 22.12 S; Lon 178.97 W; Dep 619.0; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.76, Plg=42, Azm=80; (N) Val=-0.27, Plg=36, Azm=211; (P) Val=-2.49, Plg=28, Azm=323; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=103, Dip=37, Slip=166; NP2: Strike=205, Dip=82, Slip=54.
23	19	55	44.6*	10.872	N	126.090	E	33 N	4.5		0.9	11	PHILIPPINE ISLANDS REGION
23	20	12	59.5	9.997	N	126.452	E	43 D	5.3	4.8	1.0	91	MINDANAO, PHILIPPINE ISLANDS
23	20	57	09.4	43.163	N	0.650	W	5 G			1.3	35	PYRENEES. ML 3.3 (LDG), 2.7 (STR). mbLg 3.3 (MDD). Felt at Lourdios, France.
23	20	57	28.2%	39.490	N	27.694	E	10 G			0.6	5	TURKEY. MD 2.7 (ISK).
23	21	00	55.1?	32.48	S	68.40	W	150 G			0.5	8	MENDOZA PROVINCE, ARGENTINA
23	21	13	55.0*	10.082	N	127.092	E	33 N	4.7		1.2	34	PHILIPPINE ISLANDS REGION
23	21	49	55.4	59.202	N	145.086	W	10 G			1.1	33	GULF OF ALASKA. ML 2.7 (AEIC).
23	22	22	25.8	59.100	N	145.250	W	10 G	3.1		1.0	54	GULF OF ALASKA. ML 3.3 (PMR), 3.2 (AEIC).
23	23	11	20.2*	65.294	N	167.084	W	10 G			1.1	11	NORTHERN ALASKA. ML 3.7 (PMR).
24	00	22	06.0	44.633	N	9.451	E	10 G			1.0	25	NORTHERN ITALY. ML 2.4 (GEN), 2.2 (LDG).
24	00	42	39.9?	32.23	S	69.94	W	110 G			0.3	8	MENDOZA PROVINCE, ARGENTINA. MD 2.6 (SAN).
24	00	45	01.1*	9.977	S	113.498	E	33 N	4.1		1.0	9	SOUTH OF JAWA, INDONESIA
24	01	04	50.4	58.810	N	136.230	W	10 G	4.5		1.1	93	SOUTHEASTERN ALASKA. ML 4.5 (PMR), 4.2 (AEIC). Felt (IV) at Juneau. Also felt at Gustavus and Haines.
24	01	05	30.6?	12.14	S	72.80	W	33 N			0.9	7	CENTRAL PERU
24	01	32	20.8*	15.360	N	122.146	E	33 N	4.4		0.8	7	PHILIPPINE ISLANDS REGION
24	01	45	32.2?	19.48	S	175.81	W	200 G	3.7		0.9	14	TONGA ISLANDS
24	01	54	21.5&	61.781	N	149.918	W	42				47	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
24	02	17	52.4?	33.47	N	26.30	E	10 G			0.6	7	EASTERN MEDITERRANEAN SEA
24	02	24	49.0*	30.509	N	131.254	E	54 D	4.7		1.3	30	KYUSHU, JAPAN
24	02	51	20.6%	37.848	N	2.586	W	5 G			0.6	6	SPAIN. mbLg 2.5 (MDD).
24	03	18	32.2?	35.22	S	112.54	W	10 G			1.1	6	SOUTHERN EAST PACIFIC RISE
24	03	46	16.7*	11.108	N	86.861	W	100 G	3.9		1.2	12	NEAR COAST OF NICARAGUA
24	03	51	50.7?	34.60	S	70.28	W	5 G			0.2	6	CHILE-ARGENTINA BORDER REGION
24	04	08	28.3	19.320	N	69.229	W	91 *	4.5		0.9	40	DOMINICAN REPUBLIC REGION
24	04	17	02.1	10.816	N	43.612	W	10 G	5.0	5.0	1.1	99	NORTHERN MID-ATLANTIC RIDGE. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:17:08.4; Lat 10.90 N; Lon 43.44 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.44, Plg=10, Azm=43; (N) Val=-0.08, Plg=75, Azm=273; (P) Val=-2.36, Plg=11, Azm=135; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=179, Dip=75, Slip=-1; NP2: Strike=270, Dip=89, Slip=-165.
24	04	42	47.6&	63.323	N	151.335	W	18				30	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.1 (PMR).
24	04	50	53.3%	34.127	S	69.919	W	5 G			0.7	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
24	05	51	56.7?	11.88	N	125.66	E	33 N	4.8		1.3	19	SAMAR, PHILIPPINE ISLANDS
24	06	08	37.1?	40.31	N	25.62	E	10 G			0.5	7	AEGEAN SEA. MD 3.5 (ISK).
24	06	30	59.0?	0.55	N	90.77	W	10 G	3.8		1.1	13	GALAPAGOS ISLANDS
24	07	09	49.7	37.076	N	3.846	W	10 G	4.4		1.1	88	SPAIN. mbLg 4.3 (MDD). Felt (V) in the Ventas de Huelma area.
24	07	16	29.4%	36.985	N	3.837	W	10 G			0.8	9	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD).
24	07	30	40.5?	37.03	N	3.78	W	10 G			0.2	4	SPAIN. mbLg 2.2 (MDD).
24	07	41	41.7%	37.029	N	3.836	W	10 G			0.4	6	SPAIN. mbLg 2.5 (MDD).
24	07	43	46.4%	37.024	N	3.837	W	10 G			0.6	6	SPAIN. mbLg 2.8 (MDD).
24	08	34	44.1?	44.34	N	7.58	E	5 G			0.5	4	NORTHERN ITALY. ML 2.1 (LDG).
24	09	54	03.1?	44.80	N	6.39	E	10 G			0.3	5	FRANCE. ML 2.0 (GEN).
24	11	01	35.6?	37.04	N	3.80	W	10 G			0.0	4	SPAIN. mbLg 2.1 (MDD).
24	11	09	59.4	18.132	S	178.475	W	587		4.5	0.9	34	FIJI ISLANDS REGION
24	11	10	55.2*	3.198	S	129.829	E	150 G	4.5		1.2	11	SERAM, INDONESIA
24	11	58	22.8?	33.14	S	67.10	W	250 G			0.5	11	MENDOZA PROVINCE, ARGENTINA. MD 3.6 (SAN).
24	12	03	35.5%	38.059	N	28.837	E	10 G			0.3	5	TURKEY. MD 3.0 (ISK).

24	12	06	17.1	43.696	N	8.432	E	20	G		1.0	141	CORSICA. ML 4.5 (STR), 4.2 (LDG), 4.1 (GEN), 4.0 (FUR).
24	12	20	16.7&	40.421	N	125.058	W	1				5	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
24	14	26	32.1?	34.36	S	70.46	W	15	G		0.3	6	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
24	15	13	28.5?	10.45	S	123.93	E	33	N	3.8	1.4	10	TIMOR REGION, INDONESIA
24	15	29	47.8*	51.931	N	178.831	E	100	G	3.7	1.0	17	RAT ISLANDS, ALEUTIAN ISLANDS
24	15	39	22.7&	55.876	N	159.828	W	123				60	ALASKA PENINSULA. <AEIC>.
24	16	26	54.8&	37.571	N	118.852	W	10				44	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.6 (GS), 3.6 (BRK). Felt at Mammoth Lakes, California.
24	16	33	48.3	43.658	N	8.537	E	20	G		0.3	14	CORSICA. ML 1.9 (GEN), 1.9 (LDG).
24	16	43	44.5	43.679	N	8.484	E	20	G		0.5	22	CORSICA. ML 2.8 (STR), 2.3 (GEN), 2.3 (LDG).
24	16	50	56.0&	37.568	N	118.853	W	9				14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.3 (GS), 3.3 (BRK).
24	16	58	30.2	11.569	S	165.753	E	33	N	4.8 4.7	1.0	57	SANTA CRUZ ISLANDS. Mw 5.5 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 16:58:35.9; Lat 11.57 S Fix; Lon 165.75 E Fix; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.85, Plg=1, Azm=60; (N) Val=0.10, Plg=21, Azm=150; (P) Val=-1.95, Plg=69, Azm=326; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=129, Dip=47, Slip=-119; NP2: Strike=349, Dip=50, Slip=-62.
24	18	01	19.6	43.674	N	8.488	E	20	G		0.6	20	CORSICA. ML 2.2 (GEN), 2.0 (LDG).
24	18	02	13.1*	39.673	N	25.142	E	10	G		0.4	6	AEGEAN SEA. MD 3.4 (ISK).
24	18	11	58.9&	37.569	N	118.851	W	9				12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK), 3.0 (GS).
24	18	13	25.5&	37.571	N	118.852	W	10				69	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 4.0 (BRK). MD 4.1 (GM). ML 4.5 (GS), 4.5 (BRK). Felt at Mammoth Lakes and Visalia, California.
													Scalar Moment (BRK): Mo=1.2*10**15 Nm.
24	18	19	40.0*	13.096	S	167.083	E	200	G	4.4	1.0	45	VANUATU ISLANDS
24	18	35	23.5*	36.386	N	27.209	E	10	G	4.0	1.4	12	DODECANESE ISLANDS. MD 3.7 (ISK).
24	18	37	00.6?	35.43	S	71.48	W	100	G		0.4	10	CENTRAL CHILE. MD 2.9 (SAN).
24	18	41	48.0&	34.583	N	24.690	E	10	G		0.8	13	CRETE
24	18	43	06.3*	29.364	N	105.565	E	33	N	4.5	0.8	20	SICHUAN, CHINA
24	19	00	44.1	0.511	N	122.207	E	140	D	4.7	1.1	29	MINAHASSA PENINSULA, SULAWESI
24	19	01	52.4?	24.26	S	73.61	E	10	G		0.3	6	MID-INDIAN RIDGE
24	19	08	51.7&	33.158	S	70.337	W	5	G		0.3	7	CHILE-ARGENTINA BORDER REGION
24	21	01	43.3&	33.755	S	71.766	W	20	G		0.4	8	NEAR COAST OF CENTRAL CHILE
24	21	09	27.7&	33.474	S	70.064	W	10	G		0.4	10	CHILE-ARGENTINA BORDER REGION
24	22	40	01.9	51.684	N	16.177	E	5	G		1.3	15	POLAND. ML 3.6 (GRF), 3.6 (VIE).
24	22	59	08.9?	15.07	S	174.86	W	33	N	4.6	0.8	9	TONGA ISLANDS
24	23	06	09.1?	10.66	N	122.77	E	33	N	3.7	0.6	6	PANAY, PHILIPPINE ISLANDS
24	23	17	04.8&	37.032	N	3.809	W	10	G		0.2	5	SPAIN. mbLg 2.2 (MDD).
24	23	39	11.0&	33.145	S	71.666	W	60	G		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 2.5 (SAN).
25	01	59	43.0*	42.402	N	143.059	E	33	N	3.6	0.7	8	HOKKAIDO, JAPAN REGION
25	02	03	41.1	43.683	N	8.484	E	20	G		0.7	33	CORSICA. ML 2.7 (GEN), 2.6 (LDG), 2.6 (STR).
25	02	28	44.8	8.082	S	71.855	W	600	G	4.1	1.1	46	WESTERN BRAZIL
25	02	51	49.5	43.700	N	8.439	E	20	G		0.7	16	CORSICA. ML 2.2 (GEN), 1.8 (LDG).
25	02	53	54.8&	33.934	S	70.375	W	115	G		0.1	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
25	03	58	36.8	3.238	N	126.357	E	47	D	4.8	1.0	54	TALAUD ISLANDS, INDONESIA
25	05	38	52.9&	35.678	N	118.107	W	2				28	CENTRAL CALIFORNIA. <PAS-P>. MD 3.1 (PAS).
25	06	14	10.8*	6.768	S	129.656	E	100	G	4.7	1.2	25	BANDA SEA
25	06	49	08.7?	4.60	S	140.25	E	33	N	4.2	0.7	8	IRIAN JAYA, INDONESIA
25	10	15	35.9?	32.38	S	70.24	W	120	G		0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
25	10	35	48.6*	14.476	S	76.208	W	33	N	4.1	1.0	18	NEAR COAST OF PERU. Felt at Chincha Alta and Ica.
25	11	38	07.0?	23.40	S	68.10	W	100	G	3.8	1.2	10	NORTHERN CHILE
25	11	53	48.5	43.916	N	147.734	E	33	N	4.4	1.3	30	KURIL ISLANDS
25	13	41	37.3*	47.047	N	150.884	E	200	G	3.3	0.8	9	KURIL ISLANDS
25	13	51	16.6&	59.407	N	150.906	W	38				85	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.3 (AEIC), 3.7 (PMR).
25	14	07	47.1*	21.340	S	179.130	W	600	G	4.0	1.1	23	FIJI ISLANDS REGION
25	14	08	44.8?	44.11	N	147.05	E	33	N	3.1	0.9	7	KURIL ISLANDS
25	15	17	54.7&	61.794	N	150.009	W	42				80	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.2 (PMR).
25	15	30	21.7&	61.620	N	151.276	W	3				60	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
25	15	50	02.5*	38.371	N	71.300	E	33	N	3.7	1.3	14	AFGHANISTAN-TAJIKISTAN BORD REG.
25	15	59	18.2	38.319	N	71.324	E	33	N	4.0	0.8	20	AFGHANISTAN-TAJIKISTAN BORD REG.
25	16	02	42.6*	25.466	N	125.789	E	33	N		1.4	8	SOUTHWESTERN RYUKYU ISLANDS
25	16	24	34.5*	17.374	N	46.376	W	10	G	3.8	0.6	13	NORTHERN MID-ATLANTIC RIDGE
25	16	34	47.5	63.162	N	24.648	W	10	G	4.4	1.2	27	ICELAND REGION
25	16	47	55.9&	23.748	N	121.760	E	100	G		1.2	8	TAIWAN
25	16	58	05.5	36.503	N	70.592	E	228	D	4.5	1.1	59	HINDU KUSH REGION, AFGHANISTAN
25	17	45	48.4&	32.993	S	69.996	W	120	G		0.3	10	MENDOZA PROVINCE, ARGENTINA. MD 2.6 (SAN).
25	19	00	03.2*	32.380	N	141.070	E	70	D		1.2	25	SOUTH OF HONSHU, JAPAN
25	19	00	57.9*	8.269	S	127.166	E	33	N	3.9	0.9	9	TIMOR REGION, INDONESIA
25	19	17	05.6*	21.306	S	169.779	E	33	N	4.3	1.1	26	LOYALTY ISLANDS REGION
25	19	40	30.2*	39.638	N	76.506	E	33	N	3.7	1.2	10	SOUTHERN XINJIANG, CHINA
25	19	45	07.0	21.186	S	169.615	E	33	N	5.7 5.2	1.0	144	LOYALTY ISLANDS REGION. Mw 5.7 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 19:45:12.0; Lat 21.16 S; Lon 169.41 E; Dep 32.8; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.82, Plg=9, Azm=291; (N) Val=-0.85, Plg=4, Azm=22; (P) Val=-2.97, Plg=80, Azm=136; Best double couple: Mo=3.4*10**17 Nm; NP1: Strike=16, Dip=36, Slip=-97; NP2: Strike=205, Dip=54, Slip=-85.
25	19	48	46.8&	37.046	N	3.802	W	10	G		0.3	5	SPAIN. mbLg 2.1 (MDD).
25	19	51	03.4?	49.52	S	7.78	W	10	G	4.4	1.0	9	SOUTHERN MID-ATLANTIC RIDGE
25	19	53	10.5*	49.983	S	7.829	W	10	G	4.5	0.7	13	SOUTHERN MID-ATLANTIC RIDGE
25	20	48	44.6*	9.834	N	126.224	E	33	N	4.3	0.9	15	MINDANAO, PHILIPPINE ISLANDS
25	21	17	07.8*	9.760	N	126.172	E	33	N	4.3	0.8	10	MINDANAO, PHILIPPINE ISLANDS
25	21	25	32.1	36.482	N	27.028	E	33	N	4.2	1.3	24	DODECANESE ISLANDS
25	21	46	47.5*	16.704	N	98.295	W	33	N	3.8	1.4	11	NEAR COAST OF GUERRERO, MEXICO
25	21	55	28.2?	37.09	N	3.82	W	10	G		0.6	4	SPAIN. mbLg 1.2 (MDD).
25	21	56	01.8&	32.901	S	71.473	W	10	G		0.4	7	NEAR COAST OF CENTRAL CHILE
25	21	59	52.6&	37.535	N	2.673	W	10	G		0.3	9	SPAIN. mbLg 2.9 (MDD).
25	23	12	27.7&	43.733	N	8.459	E	10	G		0.5	8	CORSICA. ML 2.0 (GEN).

25	23	17	34.7&	61.768	N	149.812	W	39				70	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PMR).
25	23	49	08.5*	39.481	N	15.700	E	291	*		1.3	17	SOUTHERN ITALY
26	00	10	44.4	6.761	N	73.157	W	169	D	4.3	0.9	44	NORTHERN COLOMBIA
26	00	20	42.5*	8.942	S	108.229	W	10	G	4.6	1.0	23	CENTRAL EAST PACIFIC RISE
26	00	29	03.5?	1.41	S	124.27	E	33	N	4.9	0.6	8	SOUTHERN MOLUCCA SEA
26	00	45	43.7*	31.183	N	139.686	E	200	G	4.1	1.2	6	SOUTH OF HONSHU, JAPAN
26	00	52	44.6?	51.40	N	15.97	E	5	G		0.6	5	POLAND
26	01	09	07.8?	9.48	S	108.98	W	10	G	4.2	1.1	18	CENTRAL EAST PACIFIC RISE
26	01	14	08.7*	12.525	N	87.029	W	150	G		0.7	12	NEAR COAST OF NICARAGUA
26	02	03	49.7?	40.15	N	28.25	E	10	G		1.2	4	TURKEY. MD 2.7 (ISK).
26	03	31	34.3*	14.942	S	178.329	W	400	G	4.0	1.0	17	FIJI ISLANDS REGION
26	04	20	17.1%	39.155	N	28.029	E	10	G		0.6	6	TURKEY. MD 3.3 (ISK).
26	04	28	30.2	44.625	N	9.336	E	5	G		0.8	25	NORTHERN ITALY. ML 2.8 (GEN).
26	05	45	06.6?	7.12	S	129.19	E	100	G	3.7	1.1	8	BANDA SEA
26	05	56	45.0*	8.605	S	112.429	E	96		4.5	1.1	21	JAWA, INDONESIA
26	06	11	08.3?	11.12	N	43.64	W	10	G	3.4	1.5	8	NORTHERN MID-ATLANTIC RIDGE
26	06	12	39.8%	18.179	N	67.013	W	33	N		0.1	5	MONA PASSAGE
26	06	41	31.5	44.040	N	18.101	E	10	G	3.7	1.5	101	NORTHWESTERN BALKAN REGION. ML 3.9 (ROM), 3.7 (VIE), 3.4 (BRA). Felt in the Sarajevo area, Bosnia and Herzegovina.
26	06	47	57.5*	3.935	N	94.823	E	48	D	4.4	1.2	10	OFF W COAST OF NORTHERN SUMATERA
26	06	52	24.2*	51.604	N	16.088	E	5	G		0.8	8	POLAND. ML 3.6 (GRF).
26	06	53	40.0&	62.459	N	149.315	W	58				43	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.0 (PMR).
26	07	09	43.0	29.216	N	130.281	E	33	N		0.6	9	RYUKYU ISLANDS
26	07	11	08.0?	24.47	S	179.49	E	600	G	4.2	0.4	8	SOUTH OF FIJI ISLANDS
26	08	04	47.4?	35.42	N	77.28	E	33	N		0.8	7	EASTERN KASHMIR
26	08	19	06.0	44.608	N	9.318	E	5	G		0.9	63	NORTHERN ITALY. ML 3.2 (GEN), 3.2 (LDG), 3.1 (VIE).
26	08	25	06.5*	19.455	N	65.346	W	50	G	3.7	0.9	12	PUERTO RICO REGION
26	08	47	53.9?	8.12	N	125.61	E	70	D	3.8	1.0	11	MINDANAO, PHILIPPINE ISLANDS
26	08	55	10.5&	34.406	N	120.764	W	6	G			28	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.9 (PAS).
26	09	03	03.6&	34.446	N	120.713	W	6	G			33	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.2 (PAS).
26	10	40	09.8?	38.90	N	21.64	E	10	G		1.4	6	GREECE
26	13	35	38.7?	21.38	S	169.67	E	33	N		0.9	6	LOYALTY ISLANDS REGION
26	13	43	55.0	41.816	N	19.012	E	10	G		1.3	42	ALBANIA
26	13	54	14.0%	55.749	S	26.424	W	33	N		0.5	8	SOUTH SANDWICH ISLANDS REGION
26	14	03	44.2?	33.16	S	72.20	W	33	N		0.6	9	OFF COAST OF CENTRAL CHILE
26	14	17	43.4%	47.349	N	145.753	E	450	G		1.1	13	SEA OF OKHOTSK
26	14	27	39.4%	44.652	N	6.762	E	5	G		0.4	8	FRANCE. ML 2.0 (GEN).
26	14	31	36.2*	8.471	N	126.051	E	33	N	4.5	1.2	12	MINDANAO, PHILIPPINE ISLANDS
26	14	57	07.5	41.471	N	142.045	E	85	D	4.5	1.2	51	HOKKAIDO, JAPAN REGION
26	15	09	10.7	39.597	N	76.971	E	33	N	4.4	0.7	17	SOUTHERN XINJIANG, CHINA
26	15	22	27.5	42.804	N	141.688	E	176	*	4.1	0.8	21	HOKKAIDO, JAPAN REGION
26	15	53	42.7*	49.913	N	156.303	E	33	N		1.0	13	KURIL ISLANDS
26	15	57	11.2&	61.918	N	149.462	W	41				68	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
26	16	27	23.4*	8.150	N	126.304	E	33	N	4.4	1.4	14	MINDANAO, PHILIPPINE ISLANDS
26	16	34	09.4?	34.74	S	71.45	W	70	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
26	16	36	33.5&	61.083	N	150.274	W	32				70	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
26	16	37	19.6*	7.225	S	128.721	E	117	?	4.4	0.9	11	BANDA SEA
26	17	31	46.8	43.648	N	8.465	E	10	G		1.0	51	CORSICA. ML 3.7 (STR), 3.3 (GEN), 3.2 (LDG).
26	17	34	24.4	43.690	N	8.433	E	10	G		1.1	64	CORSICA. ML 3.9 (STR), 3.4 (LDG), 3.4 (GEN).
26	17	42	21.4*	5.778	S	154.575	E	92	D	4.5	1.3	25	SOLOMON ISLANDS
26	18	25	42.2*	47.564	S	100.196	E	10	G	5.1	1.4	31	SOUTHEAST INDIAN RIDGE
26	18	27	10.6*	47.497	S	100.282	E	10	G	5.2 6.0	1.3	42	SOUTHEAST INDIAN RIDGE. Mw 6.1 (GS), 6.0 (HRV). Moment Tensor (GS): Dep 12; Principal axes (scale 10**18 Nm): (T) Val=1.37, Plg=3, Azm=176; (N) Val=0.06, Plg=82, Azm=291; (P) Val=-1.43, Plg=7, Azm=86; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=221, Dip=83, Slip=-177; NP2: Strike=131, Dip=87, Slip=-7. Centroid, Moment Tensor (HRV): Centroid origin time 18:27:18.1; Lat 47.33 S; Lon 99.87 E; Dep 15.0 Fix; Half-duration 2.6 sec; Principal axes (scale 10**18 Nm): (T) Val=1.25, Plg=1, Azm=169; (N) Val=-0.01, Plg=85, Azm=273; (P) Val=-1.24, Plg=5, Azm=79; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=214, Dip=86, Slip=-177; NP2: Strike=124, Dip=87, Slip=-4.
26	19	01	10.2	48.925	N	156.050	E	45	D	4.6	1.0	50	EAST OF KURIL ISLANDS
26	19	43	42.3?	24.12	N	122.89	E	55	*		1.5	9	TAIWAN REGION
26	20	02	42.1%	37.023	N	3.782	W	10	G		0.5	5	SPAIN. mbLg 2.2 (MDD).
26	20	14	59.6	43.685	N	8.478	E	10	G		0.8	39	CORSICA. ML 3.4 (STR), 3.1 (GEN), 3.0 (LDG).
26	20	20	22.6?	34.51	S	70.42	W	5	G		0.9	7	CHILE-ARGENTINA BORDER REGION
26	20	38	34.5%	48.695	N	156.421	E	33	N		1.0	10	EAST OF KURIL ISLANDS
26	21	21	51.3	50.649	N	129.548	W	10	G		0.6	26	VANCOUVER ISLAND REGION
26	21	47	58.5*	49.024	N	156.213	E	33	N		0.9	13	KURIL ISLANDS
26	21	49	43.0*	57.088	N	156.250	W	100	G		0.9	38	ALASKA PENINSULA
26	21	53	42.6&	59.848	N	153.265	W	133				27	SOUTHERN ALASKA. <AEIC>.
26	21	57	50.3	8.055	S	118.755	E	181	*	4.8	1.1	41	SUMBAWA REGION, INDONESIA
26	21	58	24.0	43.666	N	8.415	E	10	G		1.1	51	CORSICA. ML 3.8 (STR), 3.5 (LDG), 3.4 (GEN).
26	22	01	37.6?	16.99	S	178.56	W	450	G		0.5	10	FIJI ISLANDS REGION
26	22	04	08.1?	16.89	S	178.57	W	450	G		0.4	6	FIJI ISLANDS REGION
26	22	08	04.6?	49.24	N	155.02	E	33	N		0.7	5	KURIL ISLANDS
26	22	12	00.8?	37.33	N	141.84	E	10	G		0.9	5	NEAR EAST COAST OF HONSHU, JAPAN
26	22	47	52.1	36.268	N	36.163	E	10	G		1.0	24	JORDAN - SYRIA REGION. ML 4.2 (JER). MD 4.0 (ISK). Felt at Antakya, Turkey.
26	23	11	46.0%	43.453	N	141.525	E	33	N		0.9	6	HOKKAIDO, JAPAN REGION
26	23	38	28.8*	26.655	S	64.857	W	50	G		1.2	8	TUCUMAN PROVINCE, ARGENTINA. Felt (III) at San Miguel de Tucuman. Also felt at Trancas and Vipos.
26	23	58	23.6*	4.590	N	96.064	E	50	G	4.6	1.2	22	NORTHERN SUMATERA, INDONESIA
27	01	35	15.7?	45.58	N	26.41	E	200	G		0.5	6	ROMANIA
27	01	54	44.9%	39.417	N	27.922	E	10	G		0.7	8	TURKEY. MD 3.2 (ISK).
27	02	05	20.4%	7.605	N	94.006	E	33	N		0.7	6	NICOBAR ISLANDS, INDIA
27	02	28	44.8*	41.509	N	18.861	E	10	G		1.4	23	ADRIATIC SEA
27	02	46	06.5*	23.970	S	67.015	W	222	*		1.2	13	CHILE-ARGENTINA BORDER REGION
27	03	09	33.6*	5.426	S	153.998	E	100	G	3.7	1.1	10	NEW IRELAND REGION, P.N.G.
27	03	10	02.9%	37.048	N	3.681	W	10	G		0.4	6	SPAIN. mbLg 2.7 (MDD).

27	03	11	13.1%	37.221	N	3.683	W	10	G		0.2	6	SPAIN. mbLg 1.8 (MDD).
27	03	18	06.8%	37.523	N	4.497	W	33	N		0.2	5	SPAIN. mbLg 2.5 (MDD).
27	03	59	52.5%	44.339	N	7.323	E	10	G		0.5	7	NORTHERN ITALY. ML 2.0 (GEN).
27	05	24	43.7?	22.80	S	176.83	W	100	G	4.3	1.3	13	SOUTH OF FIJI ISLANDS
27	05	44	54.3*	13.933	N	89.315	W	201	*	4.0	0.7	14	EL SALVADOR
27	06	50	22.5*	28.076	S	68.987	W	103	*	4.6	1.3	19	LA RIOJA PROVINCE, ARGENTINA
27	07	09	33.2	59.606	S	26.465	W	33	N	4.8	1.0	37	SOUTH SANDWICH ISLANDS REGION
27	07	32	56.2?	8.40	S	131.20	E	33	N	4.0	1.4	6	TANIMBAR ISLANDS REG., INDONESIA
27	08	25	28.3%	40.639	N	29.541	E	10	G		0.3	6	TURKEY. MD 3.1 (ISK).
27	08	38	23.3?	27.52	N	56.64	E	33	N	3.4	1.5	9	SOUTHERN IRAN
27	08	47	27.0*	39.700	N	139.917	E	57	*		1.5	14	NEAR WEST COAST OF HONSHU, JAPAN
27	08	54	06.5*	36.652	N	139.072	E	134			1.5	12	EASTERN HONSHU, JAPAN
27	09	50	00.0?	1.96	N	128.80	E	100	G		0.2	6	HALMAHERA, INDONESIA
27	10	17	20.9?	0.81	S	134.60	E	33	N	3.4	1.4	7	IRIAN JAYA REGION, INDONESIA
27	10	34	53.1*	30.513	N	131.304	E	33	N		0.7	5	KYUSHU, JAPAN
27	11	37	53.8?	7.99	S	158.98	E	33	N	4.1	1.1	6	SOLOMON ISLANDS
27	12	51	11.0	22.481	S	174.872	W	33	N	5.4 5.4	1.1	87	TONGA ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:51:12.4; Lat 22.80 S; Lon 174.13 W; Dep 15.0 Bdy; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.57, Plg=74, Azm=235; (N) Val=0.45, Plg=14, Azm=26; (P) Val=-2.01, Plg=7, Azm=118; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=224, Dip=40, Slip=113; NP2: Strike=16, Dip=54, Slip=72.
27	13	17	44.8?	59.97	N	30.07	W	10	G	3.1	1.0	5	NORTH ATLANTIC OCEAN
27	13	28	40.0?	40.24	N	29.25	E	10	G		0.5	4	TURKEY. MD 2.6 (ISK).
27	13	32	58.9?	39.34	N	28.68	E	10	G		0.0	4	TURKEY. MD 2.7 (ISK).
27	14	22	16.9	41.518	N	142.126	E	73	D	5.0	1.0	143	HOKKAIDO, JAPAN REGION
27	14	53	08.2?	38.63	N	26.33	E	10	G		0.6	5	AEGEAN SEA. MD 3.5 (ISK).
27	14	59	18.0	44.585	N	9.320	E	5	G		1.0	52	NORTHERN ITALY. ML 3.3 (LDG), 3.2 (STR), 3.0 (VIE), 2.9 (GEN).
27	15	16	16.6?	14.29	S	166.43	E	33	N	4.3	1.0	12	VANUATU ISLANDS
27	15	44	43.0*	23.847	N	121.794	E	33	N	4.3	1.3	15	TAIWAN. ML 4.3 (BJI).
27	16	05	35.3*	36.118	N	137.027	E	282		4.0	0.8	14	EASTERN HONSHU, JAPAN
27	17	37	26.1	46.215	N	7.708	E	5	G		1.1	13	SWITZERLAND. ML 2.4 (LDG).
27	17	44	52.5?	12.75	N	88.06	W	100	G	3.7	0.6	7	OFF COAST OF CENTRAL AMERICA
27	17	55	42.0	34.518	N	36.994	W	10	G	4.5	0.7	24	NORTHERN MID-ATLANTIC RIDGE
27	18	02	59.2	36.419	N	26.760	E	131		4.1	0.8	67	DODECANESE ISLANDS. MD 3.9 (ISK).
27	19	09	56.4?	17.81	S	178.42	W	650	G	4.3	0.4	12	FIJI ISLANDS REGION
27	19	23	41.1?	32.60	N	139.13	E	33	N		0.3	5	SOUTH OF HONSHU, JAPAN
27	19	24	03.0%	46.479	N	2.439	E	5	G		0.4	6	FRANCE. ML 1.7 (LDG).
27	19	30	59.2	29.419	N	141.939	E	33	N	4.7 4.4	0.9	46	SOUTH OF HONSHU, JAPAN
27	19	50	55.1	36.808	N	5.333	W	33	N		0.6	4	STRAIT OF GIBRALTAR. mbLg 2.2 (MDD).
27	20	22	55.2*	52.199	S	16.789	E	10	G	4.9	1.2	32	SOUTHWEST OF AFRICA
27	21	08	02.3	29.976	N	68.208	E	33	N	6.3 7.3	1.2	362	PAKISTAN. Mw 7.1 (HRV), 7.0 (GS), 6.8 (OBN). Me 6.7 (GS). At least 57 people killed, hundreds injured, thousands homeless, more than 500 houses damaged or destroyed and hundreds of livestock killed in the Harnai-Sibi area. Roads and railroads in the area blocked by landslides. Three people killed and several injured in the Quetta area. Felt throughout much of central Baluchistan. Broadband Source Parameters (GS): Dep 22; NP1: Strike=345, Dip=30, Slip=150; NP2: Strike=102, Dip=76, Slip=63; Radiated energy 2.8*10**14 Nm. Complex earthquake, with two events occurring about 5 seconds apart. Depth based on first event. Moment Tensor (GS): Dep 7; Principal axes (scale 10**19 Nm): (T) Val=3.97, Plg=48, Azm=3; (N) Val=-0.02, Plg=5, Azm=99; (P) Val=-3.95, Plg=41, Azm=194; Best double couple: Mo=4.0*10**19 Nm; NP1: Strike=334, Dip=7, Slip=145; NP2: Strike=98, Dip=86, Slip=85. Centroid, Moment Tensor (HRV): Centroid origin time 21:08:13.6; Lat 29.74 N; Lon 68.13 E; Dep 15.3; Half-duration 7.9 sec; Principal axes (scale 10**19 Nm): (T) Val=5.16, Plg=57, Azm=344; (N) Val=0.07, Plg=8, Azm=87; (P) Val=-5.23, Plg=31, Azm=182; Best double couple: Mo=5.2*10**19 Nm; NP1: Strike=298, Dip=15, Slip=122; NP2: Strike=85, Dip=77, Slip=82. Scalar Moment (PPT): Mo=3.2*10**19 Nm. Scalar Moment (OBN): Mo=2.0*10**19 Nm.
27	21	17	25.6	29.767	N	68.322	E	33	N	5.1	0.7	71	PAKISTAN
27	21	19	49.2*	29.747	N	68.375	E	33	N	4.6	0.7	26	PAKISTAN
27	21	21	36.2*	29.804	N	68.470	E	33	N		1.1	12	PAKISTAN
27	21	27	34.7*	29.925	N	68.129	E	33	N	4.4	1.0	31	PAKISTAN
27	21	30	36.5	29.985	N	67.977	E	33	N	6.0	1.0	311	PAKISTAN. Felt in the epicentral area.
27	21	42	19.1*	29.624	N	68.204	E	33	N		0.5	9	PAKISTAN
27	21	44	02.1	29.906	N	67.943	E	33	N	4.8	1.0	46	PAKISTAN
27	21	44	25.0*	29.799	N	68.180	E	33	N	4.9	1.4	18	PAKISTAN
27	21	47	27.5	29.824	N	67.891	E	33	N	4.6	0.8	24	PAKISTAN
27	21	51	55.7*	30.105	N	67.921	E	33	N	4.4	1.1	24	PAKISTAN
27	21	53	58.2?	12.78	S	166.62	E	100	G	4.3	1.1	21	SANTA CRUZ ISLANDS
27	21	56	41.9?	30.14	N	67.99	E	33	N		0.6	5	PAKISTAN
27	22	00	39.2*	30.055	N	68.064	E	33	N	4.3	1.3	20	PAKISTAN
27	22	02	41.1?	30.14	N	68.18	E	33	N		1.1	6	PAKISTAN
27	22	09	47.2?	29.80	N	68.52	E	33	N	3.7	0.6	6	PAKISTAN
27	22	12	24.8*	29.938	N	68.121	E	33	N	3.9	0.9	15	PAKISTAN
27	22	17	41.5*	29.958	N	68.064	E	33	N	4.3	1.0	23	PAKISTAN
27	22	20	19.6?	29.98	N	68.24	E	33	N	4.3	1.3	23	PAKISTAN
27	22	21	07.1?	30.50	N	67.63	E	33	N	4.7	1.0	26	PAKISTAN
27	22	31	00.0*	30.046	N	68.036	E	33	N	4.1	1.3	16	PAKISTAN
27	22	36	51.6*	29.639	N	68.084	E	33	N	3.6	1.4	11	PAKISTAN
27	22	39	49.7	29.561	N	68.546	E	33	N	4.7	1.2	42	PAKISTAN
27	22	41	58.7	29.527	N	68.294	E	33	N	4.7	0.8	68	PAKISTAN

27	22	49	13.3	29.654	N	68.248	E	33	N	4.2		0.7	19	PAKISTAN
27	22	50	23.2?	30.40	N	68.02	E	33	N	4.0		1.3	11	PAKISTAN
27	22	55	59.3?	29.99	N	68.14	E	33	N	3.8		1.5	11	PAKISTAN
27	22	56	46.1*	30.162	N	68.062	E	33	N	3.7		1.5	11	PAKISTAN
27	23	02	54.3?	29.55	N	67.64	E	33	N	3.3		1.3	10	PAKISTAN
27	23	35	12.4?	30.01	N	68.05	E	33	N	3.5		0.3	5	PAKISTAN
27	23	36	35.5?	29.02	N	67.67	E	33	N			0.8	10	PAKISTAN
27	23	39	09.4	30.051	N	67.983	E	33	N	4.3		0.9	28	PAKISTAN
27	23	46	08.5*	30.069	N	68.041	E	33	N	3.7		0.9	12	PAKISTAN
27	23	54	14.8*	29.336	N	67.813	E	33	N	3.8		1.2	13	PAKISTAN
28	00	03	52.7	40.730	N	35.375	E	10	G	4.8		1.2	194	TURKEY. MD 4.7 (ISK). Slight damage to houses in Corum. Felt in Amasya, Ankara, Cankiri, Corum, Kastamonu, Kayseri, Samsun, Sinop and Tokat.
28	00	09	21.9?	29.80	N	68.59	E	33	N			1.4	9	PAKISTAN
28	00	12	16.8*	29.631	N	68.402	E	33	N	3.8		1.1	14	PAKISTAN
28	00	18	48.5*	12.592	N	141.450	E	33	N	4.3		1.0	13	SOUTH OF MARIANA ISLANDS
28	00	28	03.3*	29.981	N	68.113	E	33	N	3.8		0.8	17	PAKISTAN
28	00	29	01.0*	19.616	S	177.952	W	600	G	4.3		0.8	19	FIJI ISLANDS REGION
28	00	33	25.0*	29.736	N	68.137	E	33	N			1.0	10	PAKISTAN
28	00	33	50.3	29.904	N	68.137	E	33	N	4.0		0.9	20	PAKISTAN
28	00	36	12.7	29.596	N	68.623	E	33	N	4.3		0.7	20	PAKISTAN
28	00	45	09.3*	29.872	N	67.825	E	33	N	4.0		1.1	10	PAKISTAN
28	00	58	28.6*	29.815	N	68.375	E	33	N	4.5		1.2	18	PAKISTAN
28	01	02	24.6?	29.42	N	68.57	E	33	N			1.0	6	PAKISTAN
28	01	04	10.6	29.674	N	68.565	E	33	N	4.5		1.1	41	PAKISTAN
28	01	13	12.9*	29.623	N	68.258	E	33	N	3.6		1.3	12	PAKISTAN
28	01	14	41.4?	29.70	N	68.37	E	33	N	3.8		0.8	9	PAKISTAN
28	01	26	22.0*	29.933	N	68.202	E	33	N	3.8		0.8	8	PAKISTAN
28	01	46	26.2	29.632	N	68.200	E	33	N	4.7		0.8	67	PAKISTAN
28	01	49	26.6?	29.91	N	67.88	E	33	N			0.9	9	PAKISTAN
28	02	05	28.5?	29.91	N	68.09	E	33	N	3.8		0.9	7	PAKISTAN
28	02	06	43.2?	7.19	S	129.08	E	100	G	3.9		1.4	7	BANDA SEA
28	02	11	13.6	29.493	N	68.323	E	33	N	4.4		0.7	24	PAKISTAN
28	02	22	04.8	29.853	N	67.778	E	33	N	4.1		0.6	13	PAKISTAN
28	02	28	09.2?	29.55	N	68.54	E	33	N	3.6		1.0	9	PAKISTAN
28	02	35	27.1?	29.71	N	68.36	E	33	N			1.1	8	PAKISTAN
28	02	37	27.6?	13.22	N	144.32	E	100	G	3.1		0.8	5	MARIANA ISLANDS
28	02	43	13.0*	29.467	N	68.534	E	33	N	3.9		1.2	13	PAKISTAN
28	02	49	29.8?	14.97	S	173.95	W	33	N	4.2		0.9	10	SAMOA ISLANDS REGION
28	02	51	58.6*	29.556	N	68.625	E	33	N	4.0		0.9	9	PAKISTAN
28	03	03	15.9%	29.668	N	68.618	E	33	N			1.1	7	PAKISTAN
28	03	09	10.3&	60.194	N	151.154	W	41					36	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
28	03	12	09.9	30.095	N	68.164	E	33	N	4.1		0.9	21	PAKISTAN
28	03	17	35.7	29.557	N	68.568	E	33	N	4.7	4.3	1.0	68	PAKISTAN
28	03	20	25.6*	30.024	N	68.173	E	33	N	4.3		0.7	12	PAKISTAN
28	04	02	07.2?	37.05	N	3.85	W	10	G			0.2	4	SPAIN. mbLg 2.2 (MDD).
28	04	58	18.4	43.126	N	0.589	W	10	G			1.3	26	PYRENEES. mbLg 2.9 (MDD). ML 2.5 (LDG), 2.2 (STR).
28	04	59	34.5	29.898	N	68.113	E	33	N	4.3		0.8	20	PAKISTAN
28	05	25	57.1?	29.61	N	68.56	E	33	N	3.7		0.9	9	PAKISTAN
28	05	28	37.5	30.008	N	67.836	E	33	N	4.3		0.7	23	PAKISTAN
28	05	30	53.1*	3.855	S	138.542	E	100	G	4.4		1.3	15	IRIAN JAYA, INDONESIA
28	05	34	42.1*	29.477	N	68.499	E	33	N	4.3		1.1	17	PAKISTAN
28	05	35	27.6?	11.98	N	86.42	W	100	G	3.5		1.1	6	NEAR COAST OF NICARAGUA
28	05	55	53.5&	46.087	N	111.485	W	11					9	MONTANA. <BUT-P>. ML 2.7 (BUT).
28	06	01	27.8?	6.17	S	149.95	E	33	N	3.9		1.4	8	NEW BRITAIN REGION, P.N.G.
28	06	01	49.5?	31.74	N	131.88	E	33	N			0.5	4	KYUSHU, JAPAN
28	06	06	49.1*	8.800	S	107.899	W	10	G	4.7		1.4	43	CENTRAL EAST PACIFIC RISE
28	06	25	47.5*	29.627	N	68.199	E	33	N	4.5	4.2	1.2	28	PAKISTAN
28	06	44	53.3*	29.876	N	68.093	E	33	N	3.8		0.8	13	PAKISTAN
28	06	47	18.4%	29.593	N	67.988	E	33	N			1.1	11	PAKISTAN
28	06	54	36.1*	23.065	S	170.064	E	33	N	5.0	5.0	1.3	48	LOYALTY ISLANDS REGION
28	07	22	04.6*	55.007	N	163.044	E	38	D	4.5		0.9	20	OFF EAST COAST OF KAMCHATKA
28	07	46	15.1&	61.524	N	151.414	W	73		2.9			90	SOUTHERN ALASKA. <AEIC>.
28	07	52	09.9*	29.729	N	68.086	E	33	N	4.4		0.8	21	PAKISTAN
28	07	53	49.1*	30.037	N	68.164	E	33	N			1.4	11	PAKISTAN
28	08	13	21.8?	36.00	S	178.84	E	33	N	4.2		0.3	9	OFF E. COAST OF N. ISLAND, N.Z.
28	08	23	19.1*	23.216	S	175.334	W	33	N	4.9	5.2	1.1	38	TONGA ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:23:25.4; Lat 23.26 S; Lon 175.09 W; Dep 21.1; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.28, Plg=67, Azm=237; (N) Val=0.04, Plg=21, Azm=30; (P) Val=-1.31, Plg=10, Azm=124; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=237, Dip=40, Slip=123; NP2: Strike=17, Dip=58, Slip=65.
28	08	27	39.0*	29.694	N	68.218	E	33	N	4.1		0.9	12	PAKISTAN
28	08	33	58.6*	29.722	N	68.319	E	33	N			1.4	13	PAKISTAN
28	09	24	04.4%	43.796	N	7.328	E	10	G			0.9	6	NEAR SOUTH COAST OF FRANCE. ML 1.2 (STR).
28	09	34	39.5%	36.776	N	5.468	W	10	G			1.2	15	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
28	09	35	17.1*	1.900	N	128.358	E	100	G	4.3		1.1	15	HALMAHERA, INDONESIA
28	09	36	30.8?	37.24	S	176.74	E	100	G	4.6		0.9	7	NORTH ISLAND, NEW ZEALAND
28	09	47	10.9?	29.78	N	68.19	E	33	N	3.6		1.3	10	PAKISTAN
28	09	57	07.2	44.787	N	10.516	E	5	G			0.9	27	NORTHERN ITALY. ML 3.0 (LDG), 2.9 (VIE).
28	10	12	33.2*	29.362	N	68.098	E	33	N	3.8		1.4	13	PAKISTAN
28	10	24	40.3*	29.933	N	67.769	E	33	N	3.8		1.0	10	PAKISTAN
28	10	25	14.9*	34.132	N	37.748	W	10	G	4.7		0.8	16	NORTHERN MID-ATLANTIC RIDGE
28	10	36	30.3?	8.91	S	129.99	E	33	N	4.1		0.7	9	TIMOR SEA
28	10	36	52.4	29.883	N	68.099	E	33	N	4.4		1.0	20	PAKISTAN
28	10	45	24.2*	3.128	N	126.892	E	33	N	4.3		0.6	11	TALAUD ISLANDS, INDONESIA
28	10	59	14.5*	17.674	S	179.118	W	600	G	4.7		1.0	32	FIJI ISLANDS REGION
28	11	01	19.1?	29.75	N	68.62	E	33	N			0.9	5	PAKISTAN
28	11	32	18.9	43.921	N	147.876	E	33	N	6.1	5.5	0.8	421	KURIL ISLANDS. Mw 5.9 (HRV), 5.7 (GS). Me 5.7 (GS). Felt (IV) at Yuzhno-Kurilsk, Kunashir and (III) at Kurilsk, Iturup.

Broadband Source Parameters (GS): Dep 34; NP1: Strike=220, Dip=45, Slip=90; NP2: Strike=40, Dip=45, Slip=90; Radiated energy 8.4*10**12 Nm.
Moment Tensor (GS): Dep 34; Principal axes (scale 10**17 Nm): (T) Val=4.44, Plg=72, Azm=273; (N) Val=-0.87, Plg=8, Azm=28; (P) Val=-3.57, Plg=16, Azm=120; Best double couple: Mo=4.0*10**17 Nm; NP1: Strike=222, Dip=29, Slip=106; NP2: Strike=23, Dip=62, Slip=81.
Centroid, Moment Tensor (HRV): Centroid origin time 11:32:23.7; Lat 43.95 N; Lon 148.08 E; Dep 37.0 Bdy; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=6.23, Plg=72, Azm=288; (N) Val=0.88, Plg=5, Azm=34; (P) Val=-7.11, Plg=17, Azm=125; Best double couple: Mo=6.7*10**17 Nm; NP1: Strike=223, Dip=28, Slip=101; NP2: Strike=31, Dip=63, Slip=84.

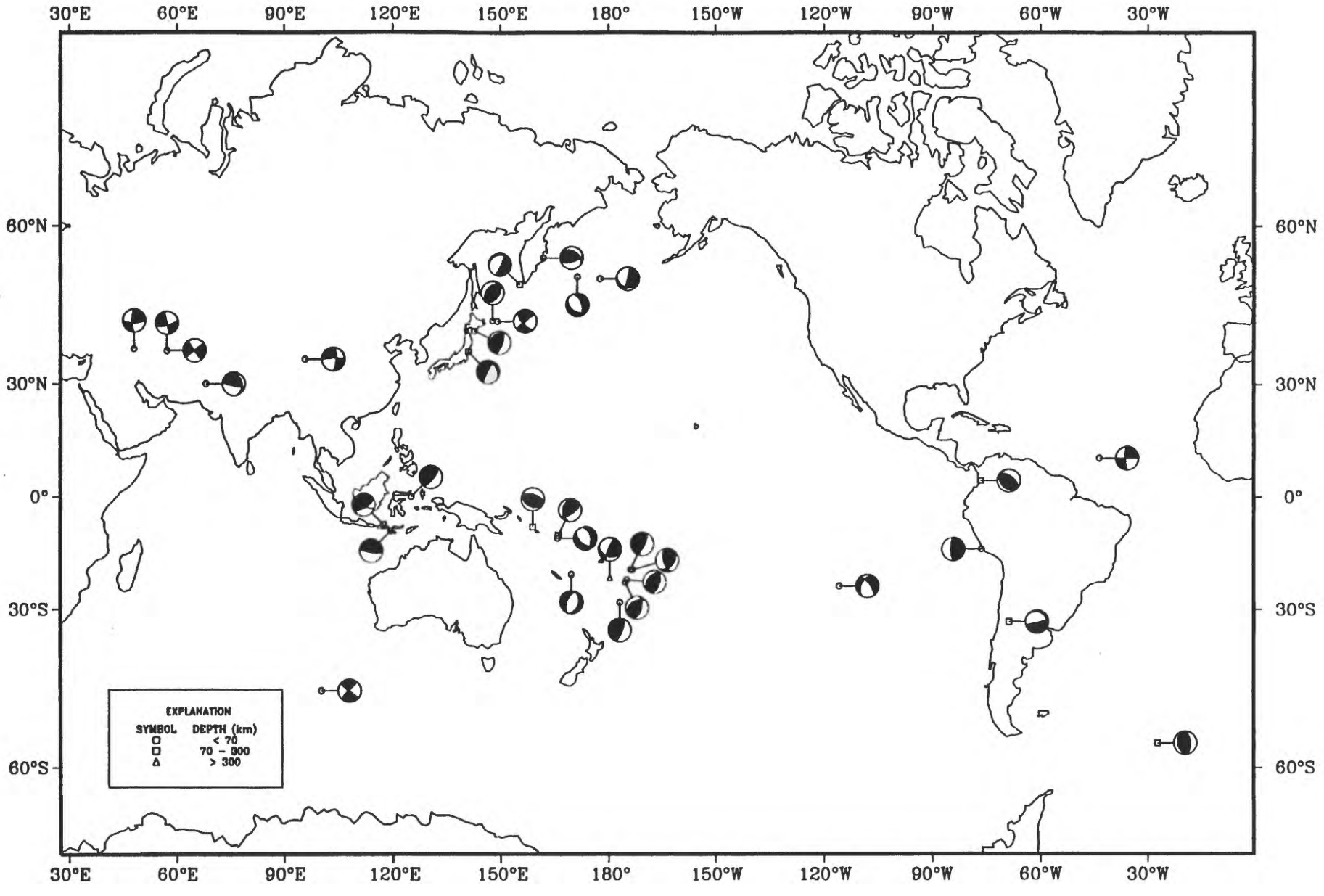
28	11	44	47.4?	37.23	S	177.22	E	100	G	4.7	1.1	7	OFF E. COAST OF N. ISLAND, N.Z.
28	12	43	19.0*	39.105	N	118.882	E	33	N	3.5	0.5	6	NORTHEASTERN CHINA. ML 3.9 (BJI).
28	12	57	18.6	38.075	N	48.050	E	10	G	5.5 6.1	1.1	315	ARMENIA-AZERBAIJAN-IRAN BORD REG. Mw 6.1 (HRV), 6.0 (GS). At least 1,100 people killed, 2,600 injured, 36,000 homeless, 12,000 houses damaged or destroyed and 160,000 livestock killed in the Ardabil region of northwestern Iran. Severe damage to roads, electrical power lines, communications and water distribution systems in that area.

Moment Tensor (GS): Dep 23; Principal axes (scale 10**17 Nm): (T) Val=9.94, Plg=22, Azm=45; (N) Val=0.02, Plg=68, Azm=220; (P) Val=-9.96, Plg=2, Azm=314; Best double couple: Mo=1.0*10**18 Nm; NP1: Strike=87, Dip=73, Slip=165; NP2: Strike=182, Dip=76, Slip=17.
Centroid, Moment Tensor (HRV): Centroid origin time 12:57:24.0; Lat 38.30 N; Lon 48.06 E; Dep 15.0 Fix; Half-duration 2.8 sec; Principal axes (scale 10**18 Nm): (T) Val=1.62, Plg=13, Azm=50; (N) Val=0.24, Plg=54, Azm=301; (P) Val=-1.85, Plg=33, Azm=149; Best double couple: Mo=1.7*10**18 Nm; NP1: Strike=184, Dip=57, Slip=-15; NP2: Strike=283, Dip=77, Slip=-146.

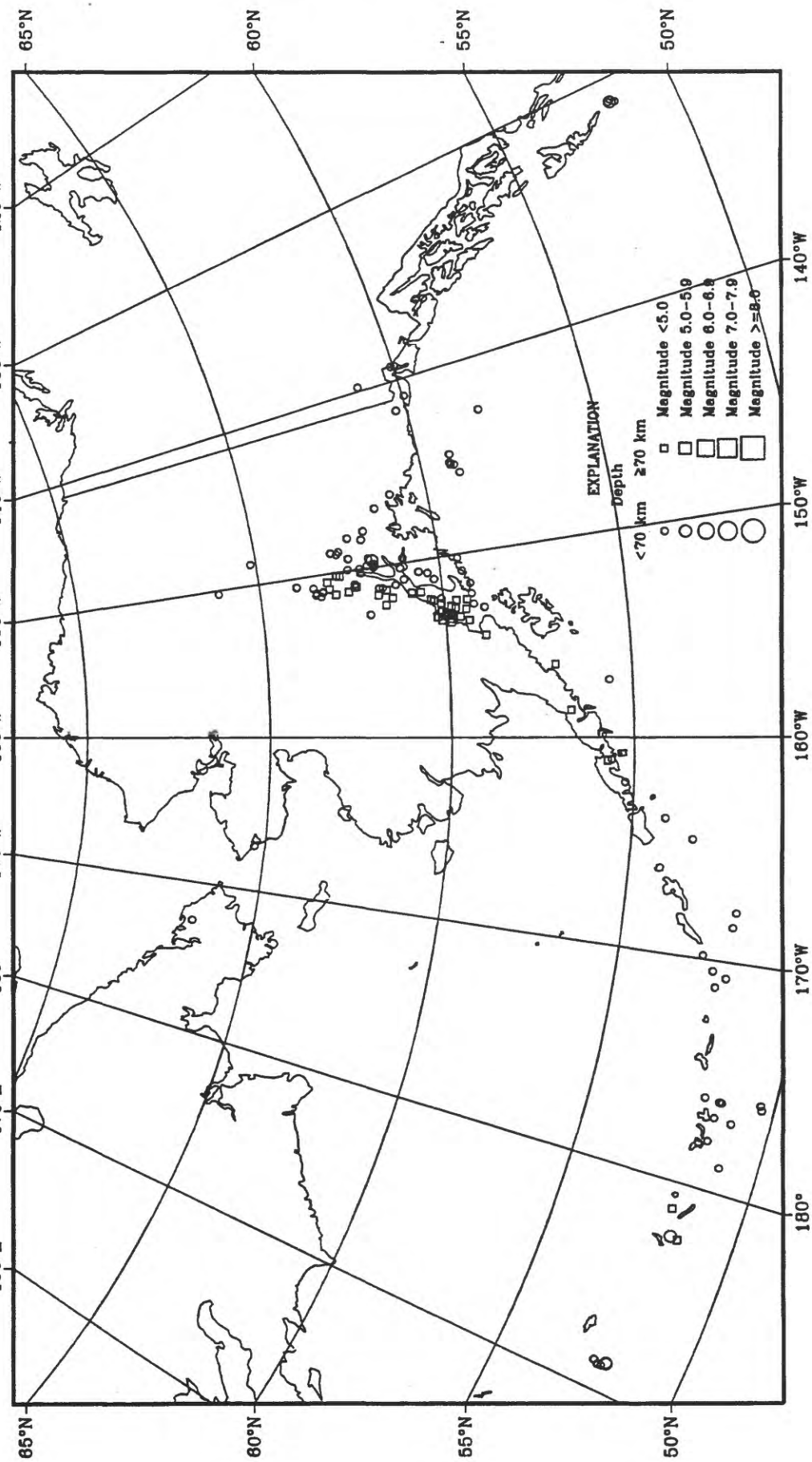
28	13	33	37.7	10.307	N	126.239	E	33	N	5.1 5.0	0.9	40	PHILIPPINE ISLANDS REGION
28	13	35	27.5&	37.486	N	1.915	W	10	G		0.8	14	SPAIN. mbLg 3.1 (MDD).
28	13	38	46.2*	10.301	N	121.776	E	33	N	4.8	0.9	21	PANAY, PHILIPPINE ISLANDS
28	13	41	31.1?	37.13	S	179.23	E	100	G		0.5	5	OFF E. COAST OF N. ISLAND, N.Z.
28	13	55	57.1*	37.831	N	47.873	E	10	G	4.5	0.9	23	NORTHWESTERN IRAN. Felt in the Ardabil region.
28	13	59	20.8?	29.83	N	68.05	E	33	N	3.8	0.6	7	PAKISTAN
28	14	18	03.3	6.924	S	155.824	E	50	G	4.9 4.8	1.0	36	SOLOMON ISLANDS
28	14	28	51.4*	36.091	S	52.721	E	10	G	4.9	0.9	23	SOUTHWEST INDIAN RIDGE
28	14	46	40.3*	29.361	N	68.317	E	33	N	3.5	0.9	8	PAKISTAN
28	14	54	16.2	15.337	S	173.597	W	100	G	4.9	1.0	96	TONGA ISLANDS
28	15	14	58.1*	29.831	N	68.212	E	33	N	3.6	0.5	7	PAKISTAN
28	15	17	25.7	29.638	N	68.281	E	33	N	4.1	0.9	20	PAKISTAN
28	15	28	57.3*	6.153	S	154.872	E	100	G	4.5	0.8	10	SOLOMON ISLANDS
28	15	49	42.2	7.018	S	150.331	E	33	N	4.6	0.8	24	NEW BRITAIN REGION, P.N.G.
28	16	00	20.3*	18.152	S	177.917	W	600	G	4.9	1.2	41	FIJI ISLANDS REGION
28	16	14	37.2	30.083	N	67.906	E	33	N	4.3	0.8	21	PAKISTAN
28	16	38	04.4*	13.774	N	143.476	E	33	N	3.8	0.9	10	SOUTH OF MARIANA ISLANDS
28	19	11	09.6	4.976	S	153.052	E	100	G	4.6	1.1	37	NEW IRELAND REGION, P.N.G.
28	19	27	35.3*	21.594	N	143.161	E	302	*	3.9	0.9	24	MARIANA ISLANDS REGION
28	19	40	09.8&	60.585	N	150.630	W	36				88	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.3 (AEIC), 3.5 (PMR).
28	19	43	40.8?	30.08	N	67.87	E	33	N	3.4	1.3	6	PAKISTAN
28	19	46	35.6	35.301	N	140.486	E	31			0.9	19	NEAR EAST COAST OF HONSHU, JAPAN
28	20	20	10.8?	5.82	S	149.61	E	150	G	4.2	1.4	8	NEW BRITAIN REGION, P.N.G.
28	20	29	39.8?	36.94	S	178.16	E	100	G	4.4	1.4	12	OFF E. COAST OF N. ISLAND, N.Z.
28	20	32	11.9*	44.391	N	7.393	E	10	G		0.3	5	NORTHERN ITALY. ML 1.8 (GEN).
28	20	37	01.2?	30.19	N	67.80	E	33	N		1.0	9	PAKISTAN
28	20	48	16.5&	36.581	N	4.344	W	89	?		0.5	11	STRAIT OF GIBRALTAR
28	20	55	09.7*	37.922	N	47.987	E	10	G	4.2	1.1	15	NORTHWESTERN IRAN. Felt in the Ardabil region.
28	21	12	10.7*	29.707	N	68.511	E	33	N	4.4	0.9	13	PAKISTAN
28	21	46	20.4*	38.045	N	47.803	E	10	G	3.9	1.1	17	NORTHWESTERN IRAN. Felt in the Ardabil region.
28	21	54	46.6&	40.666	N	29.174	E	10	G		0.7	5	TURKEY. MD 2.7 (ISK).
28	22	15	01.9	29.979	N	68.167	E	33	N	4.3	0.9	36	PAKISTAN
28	22	41	26.6*	16.982	S	176.721	E	33	N	4.2	1.5	12	FIJI ISLANDS REGION
28	22	58	48.1	30.076	N	68.128	E	33	N	4.4	1.0	49	PAKISTAN
28	23	08	46.8&	32.423	N	118.149	W	6	G			2	OFF COAST OF CALIFORNIA. <PAS-P>. MD 2.8 (PAS).

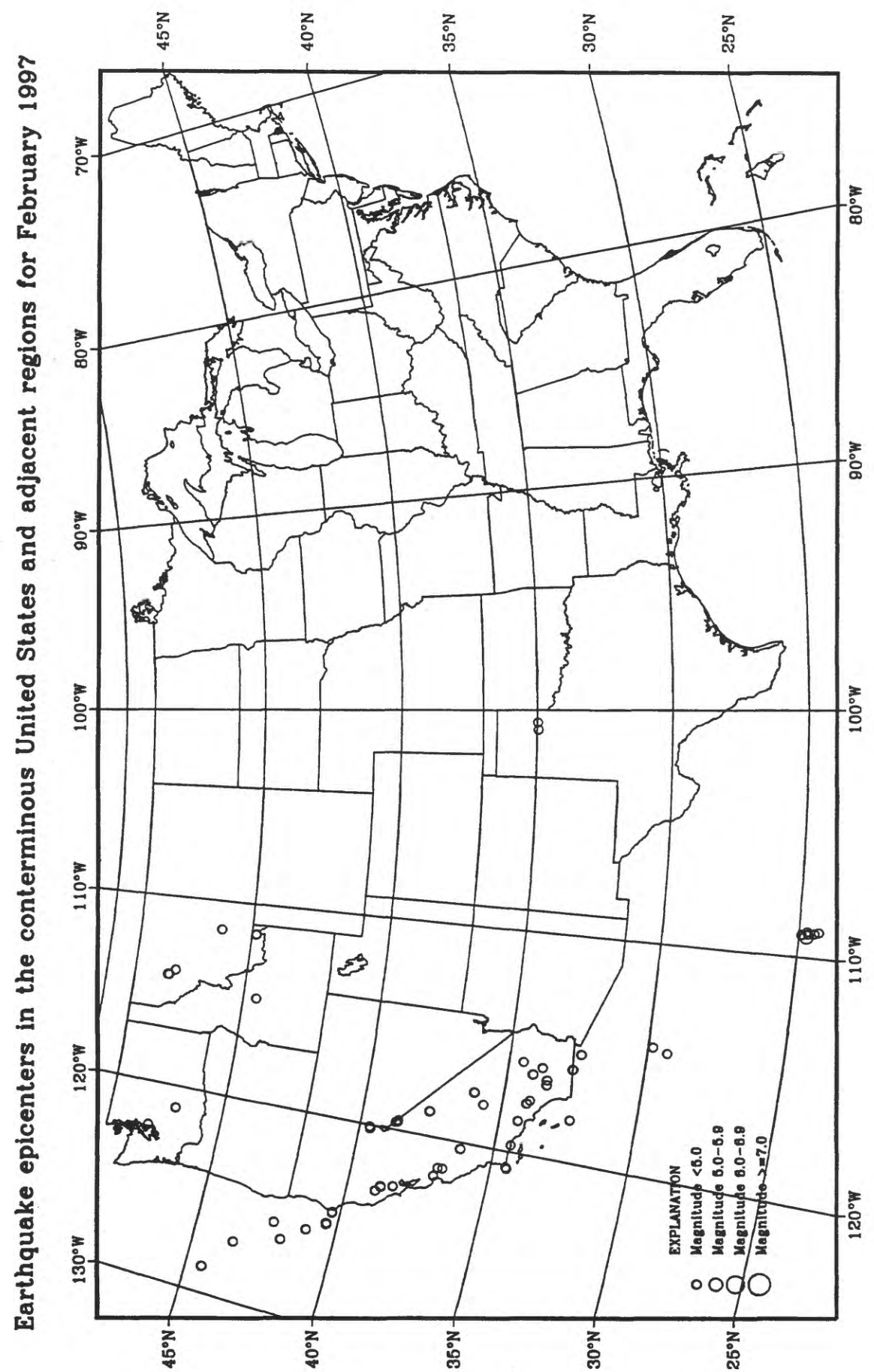
Compiled by Pamela J. Benfield, Don L. Blakeman, George L. Choy, Stuart K. Koyanagi, John H. Minsch, Waverly J. Person, Stuart A. Sipkin and Madeleine D. Zirbes.

Earthquake Focal Mechanisms for February 1997

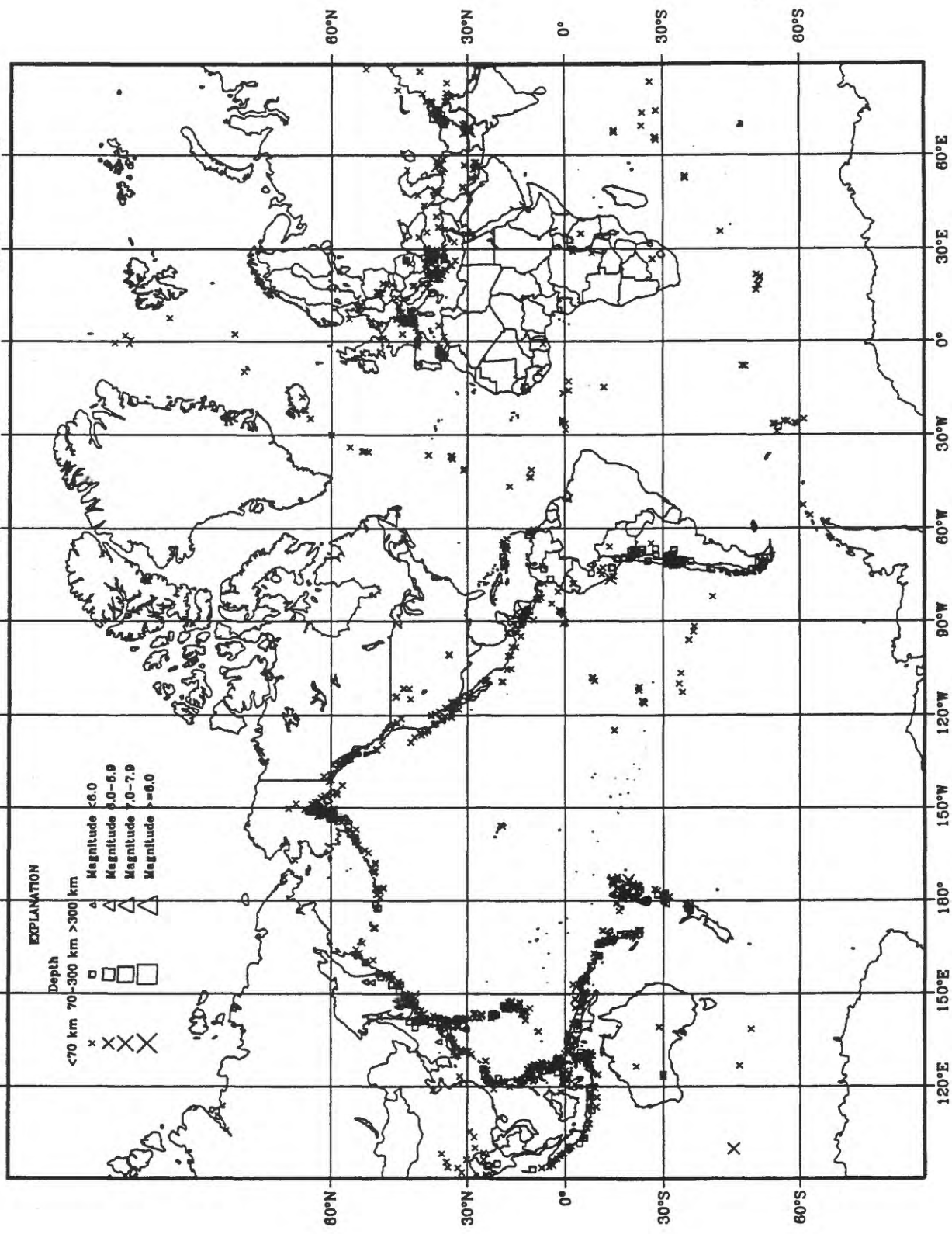


Earthquake epicenters in Alaska and adjacent regions for February 1997




Earthquake epicenters in the conterminous United States and adjacent regions for February 1997
45°N
40°N
35°N
30°N
25°N
70°W
80°W
90°W
100°W
110°W
120°W
130°W
EXPLANATION
Magnitude <5.0
Magnitude 5.0-5.9
Magnitude 6.0-6.9
Magnitude >=7.0

Earthquakes located worldwide in February 1997



PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

MARCH 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	42	07.9	29.540	N	68.354	E	33 N	4.8		1.1	102	PAKISTAN
01	00	45	41.4%	37.014	N	4.218	W	5 G			0.6	5	SPAIN. mbLg 2.3 (MDD).
01	00	57	07.3?	29.57	N	68.26	E	33 N	3.8		1.8	8	PAKISTAN
01	01	03	47.1%	32.767	S	70.231	W	110 G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
01	01	14	31.2*	33.006	S	68.862	W	5 G			0.6	11	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (SAN).
01	01	22	13.7	44.795	N	10.566	E	10 G			0.9	19	NORTHERN ITALY. ML 2.8 (LDG), 2.8 (VIE).
01	01	35	51.1*	30.018	N	67.846	E	33 N	3.9		0.9	11	PAKISTAN
01	01	39	08.4*	29.882	N	67.964	E	33 N	4.1		0.8	12	PAKISTAN
01	02	06	27.2*	30.126	N	67.992	E	33 N	4.1		1.3	14	PAKISTAN
01	02	16	55.7	34.159	N	26.163	E	33 N	4.1		1.2	70	CRETE
01	02	36	15.5*	29.995	N	67.682	E	33 N	3.6		1.8	8	PAKISTAN
01	03	31	01.4	43.047	N	0.456	W	5 G			1.1	9	PYRENEES. ML 1.8 (LDG), 1.3 (STR).
01	03	41	46.7*	36.030	S	177.684	E	100 G	4.4		0.7	10	OFF E. COAST OF N. ISLAND, N.Z.
01	03	45	52.8	43.042	N	0.445	W	5 G			1.0	10	PYRENEES. ML 1.9 (LDG), 1.3 (STR).
01	04	16	25.0*	30.546	N	68.011	E	33 N	3.9		1.4	17	PAKISTAN. Felt at Sibi.
01	04	25	07.9?	37.23	S	177.45	E	100 G	4.7		1.4	11	OFF E. COAST OF N. ISLAND, N.Z.
01	04	25	26.1	39.568	N	77.046	E	33 N	4.5		0.7	45	SOUTHERN XINJIANG, CHINA
01	05	35	51.3?	29.90	N	68.19	E	33 N	3.8		1.2	10	PAKISTAN
01	06	03	08.3?	32.22	S	71.61	W	20 G			0.7	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
01	06	04	14.1	39.422	N	76.839	E	22 D	5.2	5.5	1.1	246	SOUTHERN XINJIANG, CHINA. Mw 5.6 (HRV). Two people killed, six injured, 4,000 houses destroyed and 738 cattle killed in Jiashi County. Also felt at Kashi. Centroid, Moment Tensor (HRV): Centroid origin time 06:04:19.4; Lat 39.40 N; Lon 76.89 E; Dep 22.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.79, Plg=2, Azm=135; (N) Val=-0.89, Plg=78, Azm=233; (P) Val=-2.90, Plg=12, Azm=44; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=180, Dip=80, Slip=-173; NP2: Strike=89, Dip=83, Slip=-10.
01	06	15	58.6%	39.501	N	77.076	E	33 N			0.7	10	SOUTHERN XINJIANG, CHINA
01	06	28	33.2&	63.260	N	151.034	W	10				65	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
01	06	31	27.1*	29.806	N	68.041	E	33 N	4.1		1.1	22	PAKISTAN
01	06	38	48.2?	37.22	S	176.97	E	33 N	4.6		1.4	10	NORTH ISLAND, NEW ZEALAND
01	06	45	14.9	51.448	N	178.542	W	33 N	4.8		1.0	102	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
01	07	04	08.8	42.854	N	1.832	W	10 G			0.9	27	PYRENEES. mbLg 3.4 (MDD). ML 2.9 (LDG), 2.7 (STR).
01	07	44	31.5	29.881	N	67.985	E	33 N	4.4		1.1	25	PAKISTAN
01	07	55	24.8*	30.126	N	67.872	E	33 N	3.7		1.0	12	PAKISTAN
01	07	59	52.5	36.409	S	176.932	E	400 G	4.2		1.0	10	OFF E. COAST OF N. ISLAND, N.Z.
01	08	13	32.8*	29.585	N	68.324	E	33 N	4.3		0.9	20	PAKISTAN
01	08	25	36.1*	30.420	N	67.419	E	33 N	4.3		1.2	10	PAKISTAN
01	08	30	24.1	44.609	N	9.480	E	10 G			0.7	19	NORTHERN ITALY. ML 2.4 (GEN), 2.3 (LDG).
01	08	43	13.6*	58.900	S	16.756	W	10 G	4.7		0.8	23	SOUTHWESTERN ATLANTIC OCEAN
01	09	10	26.2?	29.97	N	68.17	E	33 N	3.9		1.1	11	PAKISTAN
01	09	13	31.5*	30.452	S	178.011	W	72 D	4.6		0.9	17	KERMADEC ISLANDS, NEW ZEALAND
01	09	15	23.8*	30.746	N	67.845	E	33 N	3.8		0.7	11	PAKISTAN
01	09	35	11.1*	39.674	N	76.649	E	33 N	4.4		1.1	22	SOUTHERN XINJIANG, CHINA
01	10	03	58.9	43.019	N	0.137	E	10 G			0.6	6	FRANCE. ML 2.2 (LDG).
01	10	05	17.3?	40.05	N	30.41	E	5 G			0.7	5	TURKEY. MD 3.1 (ISK).
01	10	19	14.2*	17.323	S	178.592	W	400 G	4.7		1.3	34	FIJI ISLANDS REGION
01	10	53	00.6*	15.053	S	76.040	W	33 N	4.1		1.3	16	OFF COAST OF PERU
01	10	57	31.6?	14.89	N	94.94	W	33 N	3.9		1.5	8	OFF COAST OF CHIAPAS, MEXICO
01	11	23	20.1	44.433	N	7.052	E	10 G			0.7	38	NORTHERN ITALY. ML 2.7 (GEN), 2.7 (LDG), 2.5 (STR).
01	11	59	24.1?	14.85	S	179.30	W	500 G	4.5		0.3	10	FIJI ISLANDS REGION
01	12	00	11.1*	32.002	S	70.814	W	90 G			0.5	11	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
01	12	03	24.2?	40.97	N	113.51	E	10 G			0.4	5	NORTHEASTERN CHINA
01	12	13	56.5	51.640	N	16.157	E	5 G			0.8	36	POLAND. ML 4.0 (GRF), 3.7 (VIE), 3.7 (FUR), 3.3 (CLL).
01	13	09	41.5&	60.529	N	152.110	W	83		2.9		34	SOUTHERN ALASKA. <AEIC>.
01	13	16	45.6?	19.19	N	144.96	E	33 N	3.6		0.7	7	MARIANA ISLANDS
01	13	17	42.7*	29.925	N	68.084	E	33 N	3.6		1.1	11	PAKISTAN
01	13	46	58.2?	29.95	N	68.02	E	33 N			1.6	5	PAKISTAN
01	13	52	46.0*	42.608	N	17.725	E	10 G	3.2		0.9	18	ADRIATIC SEA

01	13	58	39.7?	36.75	S	177.35	E	33	N	4.7	1.7	10	OFF E. COAST OF N. ISLAND, N.Z.
01	14	02	47.3*	32.199	N	140.147	E	102	D	4.4	1.3	32	SOUTH OF HONSHU, JAPAN
01	14	17	30.0%	36.765	N	6.723	W	10	G		0.7	14	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
01	14	27	51.9?	40.65	N	30.45	E	5	G		0.2	5	TURKEY. MD 3.1 (ISK).
01	15	33	22.6&	60.022	N	152.888	W	118				13	SOUTHERN ALASKA. <AEIC>.
01	16	38	31.3?	29.81	N	68.48	E	33	N	3.6	1.7	6	PAKISTAN
01	17	29	27.3*	62.476	N	26.016	W	10	G	4.2	1.3	18	ICELAND REGION
01	17	52	06.9	39.340	N	76.786	E	33	N	4.4	1.2	20	SOUTHERN XINJIANG, CHINA
01	17	58	55.0&	36.879	N	121.616	W	7				8	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
01	18	33	25.7%	37.055	N	3.863	W	10	G		0.7	9	SPAIN. mbLg 2.8 (MDD).
01	19	02	47.7?	30.03	N	67.75	E	33	N	3.6	1.4	8	PAKISTAN
01	19	02	48.9*	5.474	N	126.444	E	102	*	4.4	1.4	25	MINDANAO, PHILIPPINE ISLANDS
01	19	05	01.4*	16.261	N	94.737	W	76	D	4.4	1.2	33	OAXACA, MEXICO
01	19	20	39.5&	61.592	N	150.100	W	44				88	SOUTHERN ALASKA. <AEIC>. ML 3.7 (AEIC), 3.8 (PMR). Felt at Willow.
01	19	26	05.4	45.779	N	26.602	E	115		4.0	0.9	44	ROMANIA. Felt slightly at Bucharest.
01	20	21	44.0%	40.439	N	29.099	E	5	G		0.4	5	TURKEY. MD 3.0 (ISK).
01	20	23	32.3	29.854	N	68.090	E	33	N	4.3	1.1	33	PAKISTAN
01	20	41	58.0?	36.26	S	177.88	E	33	N	4.5	0.5	9	OFF E. COAST OF N. ISLAND, N.Z.
01	21	23	52.6	29.997	N	68.231	E	33	N	4.2	0.9	28	PAKISTAN
01	21	38	19.3	32.831	S	70.746	W	80	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
01	21	41	47.8	50.469	N	19.144	E	5	G		1.3	11	POLAND. MG 2.9 (WAR).
01	21	55	56.9?	35.93	S	178.01	E	33	N	4.3	0.3	7	OFF E. COAST OF N. ISLAND, N.Z.
01	22	13	59.9&	59.609	N	152.967	W	109		4.2		131	SOUTHERN ALASKA. <AEIC>.
01	22	15	25.3	43.065	N	0.596	W	5	G		0.5	9	PYRENEES. ML 1.9 (LDG), 1.3 (STR).
01	23	01	01.9	44.824	N	10.631	E	10	G		1.2	62	NORTHERN ITALY. ML 3.1 (LDG), 3.1 (FUR), 3.0 (VIE), 2.8 (STR).
01	23	09	44.3%	36.738	N	3.024	W	10	G		1.1	13	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
01	23	13	46.6*	6.702	N	127.684	E	33	N	4.3	1.3	7	PHILIPPINE ISLANDS REGION
01	23	17	12.4&	61.496	N	152.036	W	9				55	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
02	00	31	28.4%	11.422	N	62.310	W	100	G		1.0	9	WINDWARD ISLANDS
02	01	04	15.9	44.001	N	147.850	E	33	N	5.2 4.2	0.9	193	KURIL ISLANDS
02	01	58	55.3	44.633	N	9.355	E	10	G		0.5	31	NORTHERN ITALY. ML 2.6 (GEN), 2.5 (LDG).
02	03	09	21.9?	30.65	N	69.71	E	33	N	3.5	1.1	5	PAKISTAN
02	03	58	25.0*	29.656	N	68.116	E	33	N	4.3	0.9	28	PAKISTAN. Felt in the Sibi area.
02	04	02	59.6&	63.016	N	148.755	W	74				70	CENTRAL ALASKA. <AEIC>.
02	04	34	18.3%	39.337	N	27.976	E	5	G		0.6	7	TURKEY. MD 3.2 (ISK).
02	04	38	09.9	38.670	N	25.553	E	10	G	3.5	1.1	19	AEGEAN SEA. MD 3.8 (ISK).
02	05	26	10.5	8.324	S	121.686	E	10	G	4.7	1.2	25	FLORES REGION, INDONESIA
02	05	27	10.8	29.783	N	68.229	E	33	N	4.3	1.0	36	PAKISTAN
02	06	12	10.9?	36.23	S	176.97	E	33	N	4.8	1.5	10	OFF E. COAST OF N. ISLAND, N.Z.
02	06	17	13.7*	36.259	S	177.561	E	300	G	4.1	0.6	11	OFF E. COAST OF N. ISLAND, N.Z.
02	06	27	49.7?	32.15	S	70.18	W	100	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
02	08	28	32.7%	38.989	N	2.888	W	10	G		0.6	9	SPAIN. mbLg 3.0 (MDD).
02	08	29	34.2&	61.226	N	148.519	W	29				73	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.3 (PMR).
02	08	43	52.3*	29.906	N	68.157	E	33	N	3.6	1.1	17	PAKISTAN
02	08	46	23.5*	23.363	S	179.809	E	600	G	4.5	0.6	16	SOUTH OF FIJI ISLANDS
02	09	37	37.7%	30.935	N	67.896	E	33	N		1.2	9	PAKISTAN
02	10	34	11.2?	11.09	N	62.50	W	100	G	3.4	1.3	10	WINDWARD ISLANDS
02	11	19	16.7%	33.374	S	69.832	W	10	G		0.2	10	CHILE-ARGENTINA BORDER REGION
02	12	01	40.0*	39.583	N	142.215	E	87	*		0.6	8	NEAR EAST COAST OF HONSHU, JAPAN
02	12	01	48.5*	29.845	N	68.071	E	33	N	3.9	1.1	15	PAKISTAN
02	12	05	40.6?	31.44	S	71.94	W	10	G		0.2	11	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
02	12	33	07.0*	29.547	N	68.261	E	33	N	3.6	0.5	8	PAKISTAN
02	12	46	01.0	13.307	N	124.707	E	33	N	4.8 4.1	1.0	34	LUZON, PHILIPPINE ISLANDS
02	12	54	04.4?	39.13	N	27.56	E	5	G		0.5	4	TURKEY. MD 2.9 (ISK).
02	14	01	40.9	17.895	N	145.913	E	131	D	5.1	1.0	121	MARIANA ISLANDS
02	14	32	11.0?	36.99	S	176.99	E	350	G	4.2	1.1	13	OFF E. COAST OF N. ISLAND, N.Z.
02	14	34	28.7*	36.566	S	177.322	E	300	G	4.6	1.0	20	OFF E. COAST OF N. ISLAND, N.Z.
02	14	59	58.1%	39.669	N	29.093	E	10	G		0.5	9	TURKEY. MD 3.3 (ISK).
02	16	23	36.2*	36.594	S	177.417	E	300	G	4.4	1.0	17	OFF E. COAST OF N. ISLAND, N.Z.
02	16	24	49.9	44.808	N	7.635	E	20	G		0.8	53	NORTHERN ITALY. ML 3.0 (GEN), 3.0 (LDG), 2.6 (STR).
02	16	37	22.4*	22.239	N	142.387	E	337	*	4.0	0.6	11	VOLCANO ISLANDS REGION
02	16	39	08.7	44.237	N	6.279	E	5	G		0.6	41	FRANCE. ML 2.5 (LDG), 2.4 (STR).
02	16	48	30.2%	44.250	N	6.231	E	5	G		0.4	7	FRANCE. ML 1.8 (LDG).
02	17	00	23.5%	44.203	N	6.193	E	5	G		0.2	5	FRANCE. ML 1.7 (LDG).
02	17	02	58.3	5.695	S	151.968	E	33	N	4.9	0.9	28	NEW BRITAIN REGION, P.N.G.
02	17	13	07.0%	44.191	N	6.261	E	5	G		0.5	9	FRANCE. ML 1.9 (LDG).
02	17	18	26.3%	44.240	N	6.214	E	5	G		0.7	9	FRANCE. ML 1.9 (LDG).
02	17	26	32.6%	44.240	N	6.163	E	5	G		0.3	6	FRANCE. ML 1.9 (LDG).
02	17	39	22.0	53.543	N	166.593	W	57	D	5.4	1.0	298	FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.2 (HRV). ML 5.5 (PMR). Felt (IV) at Unalaska. Also felt in the Dutch Harbor area. Centroid, Moment Tensor (HRV): Centroid origin time 17:39:21.0; Lat 53.23 N; Lon 166.06 W; Dep 74.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.19, Plg=77, Azm=148; (N) Val=-0.15, Plg=12, Azm=311; (P) Val=-7.04, Plg=3, Azm=42; Best double couple: Mo=7.1*10**16 Nm; NP1: Strike=144, Dip=43, Slip=108; NP2: Strike=301, Dip=50, Slip=74.
02	17	48	18.9%	44.254	N	6.251	E	5	G		0.2	7	FRANCE. ML 2.0 (LDG).
02	18	29	42.5	37.864	N	47.865	E	10	G	5.1 4.6	1.1	191	NORTHWESTERN IRAN. Mw 5.3 (HRV). Additional damage to buildings in the Ardabil region. Centroid, Moment Tensor (HRV): Centroid origin time 18:29:44.6; Lat 37.86 N Fix; Lon 47.87 E Fix; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.99, Plg=33, Azm=52; (N) Val=0.28, Plg=41, Azm=287; (P) Val=-1.27, Plg=31, Azm=166; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=200, Dip=41, Slip=2; NP2: Strike=108, Dip=89, Slip=131.
02	18	38	46.4*	39.998	N	76.041	E	33	N	4.3	1.5	20	SOUTHERN XINJIANG, CHINA
02	19	02	27.4?	36.73	S	177.19	E	300	G	4.3	0.9	15	OFF E. COAST OF N. ISLAND, N.Z.
02	19	18	47.4&	58.728	N	158.833	W	2				24	BRISTOL BAY. <AEIC>. ML 3.3 (AEIC).
02	19	24	11.4?	36.79	S	177.23	E	300	G	4.3	1.1	12	OFF E. COAST OF N. ISLAND, N.Z.

02	19	50	38.4	44.248	N	6.263	E	5	G			0.8	42	FRANCE. ML 2.7 (GEN), 2.5 (LDG), 2.4 (STR).
02	20	07	25.5?	36.43	S	177.50	E	300	G	4.6		1.3	17	OFF E. COAST OF N. ISLAND, N.Z.
02	20	39	15.7?	64.27	N	166.54	W	10	G			0.8	8	NORTHERN ALASKA. ML 3.7 (PMR).
02	20	52	12.5*	9.957	N	57.295	E	10	G	4.4	4.4	1.1	13	CARLSBERG RIDGE
02	21	11	13.0*	4.893	S	152.309	E	80	?	4.1		0.7	14	NEW BRITAIN REGION, P.N.G.
02	21	38	03.2*	51.044	N	158.625	E	49	D	3.4		0.9	17	NEAR EAST COAST OF KAMCHATKA
02	22	00	51.5*	6.933	N	123.923	E	600	G	4.8		0.4	12	MINDANAO, PHILIPPINE ISLANDS
02	22	24	18.4?	32.63	S	178.18	W	33	N	4.9		0.9	13	SOUTH OF KERMADEC ISLANDS
02	23	00	29.7&	63.006	N	149.110	W	74					90	CENTRAL ALASKA. <AEIC>.
02	23	28	46.7&	63.365	N	145.211	W	2					36	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
02	23	54	26.5%	29.703	N	68.306	E	33	N			1.3	12	PAKISTAN
02	23	59	14.9%	40.732	N	29.754	E	5	G			0.6	5	TURKEY. MD 2.7 (ISK).
03	00	43	44.1*	19.415	N	145.222	E	110	D			1.0	11	MARIANA ISLANDS
03	00	44	13.4?	36.41	S	178.35	E	33	N	4.8		0.8	10	OFF E. COAST OF N. ISLAND, N.Z.
03	01	15	15.0?	43.80	N	6.90	E	5	G			0.1	4	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
03	01	39	46.1	19.495	N	120.238	E	33	N	5.1	4.6	0.9	123	PHILIPPINE ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:39:44.9; Lat 19.24 N; Lon 120.30 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.41, Plg=30, Azm=322; (N) Val=0.19, Plg=9, Azm=57; (P) Val=-1.60, Plg=58, Azm=162; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=25, Dip=17, Slip=-123; NP2: Strike=239, Dip=76, Slip=-80.
03	01	57	55.5?	24.34	S	179.40	E	650	G	4.5		0.6	15	SOUTH OF FIJI ISLANDS
03	02	25	20.8	29.892	N	67.983	E	33	N	4.3		1.1	39	PAKISTAN
03	02	28	33.2	29.578	N	68.511	E	33	N	4.7	4.5	1.2	111	PAKISTAN. Felt in the Harnai-Sibi area and at Quetta.
03	02	31	31.1*	29.602	N	68.832	E	33	N	4.5		1.4	18	PAKISTAN
03	02	35	51.6*	36.560	S	177.576	E	200	G	4.8		1.0	18	OFF E. COAST OF N. ISLAND, N.Z.
03	03	20	12.0	44.358	N	147.462	E	33	N	4.4		1.1	36	KURIL ISLANDS
03	03	35	36.2	44.230	N	6.212	E	5	G			0.6	17	FRANCE. ML 2.4 (GEN), 2.0 (LDG).
03	03	52	13.0?	29.79	N	67.96	E	33	N			1.1	7	PAKISTAN
03	04	02	01.3?	36.92	N	3.95	W	10	G			0.0	4	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
03	05	02	43.5*	20.608	S	179.200	W	650	G	4.5		0.7	20	FIJI ISLANDS REGION
03	05	20	13.0	34.839	N	139.198	E	28	D			0.6	20	NEAR S. COAST OF HONSHU, JAPAN
03	05	47	04.5?	20.45	N	94.33	W	10	G	3.8		0.8	5	BAY OF CAMPECHE
03	05	51	52.1*	13.280	N	120.936	E	150	G	4.2		1.3	8	MINDORO, PHILIPPINE ISLANDS
03	06	13	05.4?	52.96	N	174.67	W	300	G	4.4		1.2	8	ANDREANOF ISLANDS, ALEUTIAN IS.
03	06	31	45.4%	44.794	N	6.672	E	10	G			0.2	7	FRANCE. ML 2.0 (GEN).
03	06	38	40.7	33.591	N	71.511	E	48	D	4.5		0.9	17	PAKISTAN
03	06	51	10.6*	30.341	N	67.959	E	33	N	3.8		0.9	8	PAKISTAN
03	07	09	08.8?	24.41	S	174.94	W	33	N	4.5		1.1	10	SOUTH OF TONGA ISLANDS
03	07	15	04.7&	49.701	N	119.678	W	5	G				24	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 2.7 (PGC). MD 2.7 (SEA). Felt in the Kelowna-Penticton area.
03	07	21	47.0	44.588	N	9.351	E	5	G			0.6	32	NORTHERN ITALY. ML 2.7 (GEN), 2.6 (LDG), 2.4 (STR).
03	07	23	55.9	17.745	S	178.239	W	650	G	4.6		0.9	105	FIJI ISLANDS REGION
03	07	54	17.5*	42.945	S	82.889	W	10	G	4.7		1.0	18	WEST CHILE RISE
03	07	55	19.7	23.304	N	143.849	E	33	N			1.0	11	VOLCANO ISLANDS REGION
03	08	15	28.5%	2.397	S	126.644	E	33	N			0.4	7	CERAM SEA
03	08	31	26.0*	1.893	N	128.154	E	33	N	4.5		0.9	9	HALMAHERA, INDONESIA
03	08	45	07.0	34.816	N	139.112	E	10	G	3.5		1.4	22	NEAR S. COAST OF HONSHU, JAPAN
03	09	29	39.9*	27.244	N	86.082	E	45	D	4.7		1.1	29	NEPAL
03	09	52	44.3*	44.078	N	147.730	E	100	G	4.5		0.9	9	KURIL ISLANDS
03	11	10	57.2	34.850	N	139.270	E	10	G	4.8		1.0	66	NEAR S. COAST OF HONSHU, JAPAN. Felt (IV JMA) at Ito. Also felt on the Miura Peninsula.
03	11	11	05.7	47.290	N	11.035	E	10	G			0.7	11	AUSTRIA. ML 2.5 (FUR), 2.3 (VIE).
03	11	39	15.0*	2.747	S	102.232	E	100	G	4.6		0.5	11	SOUTHERN SUMATERA, INDONESIA
03	12	32	08.9?	31.29	S	69.55	W	190	G			0.3	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.4 (SAN).
03	12	46	56.3*	20.292	S	178.493	W	650	G	4.2		0.4	12	FIJI ISLANDS REGION
03	13	01	36.4*	37.602	N	57.348	E	10	G	4.1		1.3	28	TURKMENISTAN-IRAN BORDER REGION. Additional damage in the Bojnurd area, Iran.
03	13	06	53.7*	29.910	N	67.801	E	33	N	3.8		0.9	15	PAKISTAN
03	13	22	54.0*	29.644	N	68.200	E	33	N	3.9		1.0	18	PAKISTAN
03	13	39	47.8*	36.441	N	140.695	E	62				1.2	25	NEAR EAST COAST OF HONSHU, JAPAN
03	14	09	43.3	34.960	N	139.145	E	10	G	4.7		1.4	65	NEAR S. COAST OF HONSHU, JAPAN. One house destroyed by a landslide in the Ito area. Felt (V JMA) at Ito and (IV JMA) at Atami. Also felt on the Miura Peninsula and at Chiba, Tokyo and Yokohama.
03	14	12	33.0?	3.25	S	152.24	E	100	G	4.2		0.9	7	NEW IRELAND REGION, P.N.G.
03	14	13	35.6*	36.757	S	177.627	E	33	N	4.8		1.0	13	OFF E. COAST OF N. ISLAND, N.Z.
03	14	26	53.1	34.865	N	139.214	E	10	G	3.8		1.1	22	NEAR S. COAST OF HONSHU, JAPAN
03	14	33	25.3*	2.399	N	128.826	E	200	G	4.7		1.1	20	HALMAHERA, INDONESIA
03	14	42	15.6	7.514	S	127.809	E	150	G	5.2		0.7	18	BANDA SEA
03	15	30	20.2	34.878	N	139.188	E	10	G	5.0		1.1	84	NEAR S. COAST OF HONSHU, JAPAN. Felt on the Miura Peninsula.
03	16	09	52.8?	17.79	S	178.29	W	600	G	4.3		1.0	17	FIJI ISLANDS REGION
03	17	15	48.5%	44.222	N	6.157	E	5	G			0.0	5	FRANCE. ML 1.6 (LDG).
03	17	27	10.9?	44.18	N	6.18	E	5	G			0.1	4	FRANCE. ML 1.7 (LDG).
03	17	56	43.7%	44.253	N	6.272	E	5	G			0.3	5	FRANCE. ML 2.2 (LDG).
03	18	06	38.7	7.842	S	117.635	E	33	N	5.1		1.1	70	BALI SEA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:06:46.0; Lat 7.50 S; Lon 117.82 E; Dep 47.0; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=5.28, Plg=21, Azm=91; (N) Val=0.66, Plg=67, Azm=297; (P) Val=-5.94, Plg=9, Azm=184; Best double couple: Mo=5.6*10**16 Nm; NP1: Strike=229, Dip=68, Slip=9; NP2: Strike=136, Dip=82, Slip=158.
03	18	07	19.6%	44.246	N	6.251	E	5	G			0.3	7	FRANCE. ML 1.7 (LDG).
03	18	28	29.4%	39.077	N	27.936	E	10	G			0.7	5	TURKEY. MD 2.8 (ISK).
03	18	58	17.8?	23.01	S	176.66	W	33	N	4.1		0.9	9	SOUTH OF FIJI ISLANDS
03	19	04	31.1*	45.586	N	154.030	E	33	N	3.5		0.4	9	EAST OF KURIL ISLANDS
03	19	05	49.9&	59.917	N	152.336	W	89					55	SOUTHERN ALASKA. <AEIC>.
03	19	23	31.7*	56.099	S	25.371	W	33	N	4.8		0.9	18	SOUTH SANDWICH ISLANDS REGION
03	19	37	39.9%	43.473	N	5.475	E	5	G			0.4	14	NEAR SOUTH COAST OF FRANCE. ML 2.1 (STR).
03	19	42	43.6	29.563	N	68.253	E	33	N	4.5		1.1	49	PAKISTAN

03	20	15	13.4&	47.838	N	114.120	W	5				12	MONTANA. <BUT-P>. ML 2.8 (BUT). Felt at Rollins.
03	20	40	43.6?	4.62	S	76.60	W	33	N	4.0	1.1	10	NORTHERN PERU
03	21	26	19.5%	36.912	N	4.222	W	20	G		0.7	10	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
03	21	32	30.0&	60.216	N	151.903	W	57				72	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
03	21	40	42.8*	14.574	S	167.364	E	100	G	4.8	1.0	47	VANUATU ISLANDS
03	22	33	43.8	6.481	S	156.405	E	48	D	5.6 5.1	1.0	152	SOLOMON ISLANDS
03	22	44	11.4?	34.55	N	139.17	E	10	G		0.8	8	NEAR S. COAST OF HONSHU, JAPAN
03	23	07	52.2	10.251	S	161.143	E	101	*	4.9	0.8	42	SOLOMON ISLANDS
03	23	13	42.5?	36.72	S	178.34	W	33	N	4.4	1.0	7	EAST OF NORTH ISLAND, N.Z.
03	23	49	04.4?	49.08	S	127.72	E	10	G	4.2	1.2	9	SOUTH OF AUSTRALIA
04	00	01	59.3*	34.933	N	139.337	E	10	G		1.2	8	NEAR S. COAST OF HONSHU, JAPAN
04	00	04	23.8	43.686	N	8.489	E	20	G		0.3	14	CORSICA. ML 2.3 (GEN), 2.2 (LDG).
04	00	35	42.0*	33.583	S	178.714	W	33	N	4.4	0.7	12	SOUTH OF KERMADEC ISLANDS
04	01	10	37.8	44.812	N	110.936	W	5	G		1.0	16	YELLOWSTONE REGION, WYOMING. ML 2.9 (BUT).
04	01	27	46.5%	40.712	N	29.838	E	10	G		0.5	7	TURKEY. MD 3.0 (ISK).
04	01	59	11.8	50.606	N	18.860	E	10	G		0.8	6	POLAND. MG 2.6 (WAR).
04	02	01	34.7	44.780	N	110.939	W	5	G		0.6	18	YELLOWSTONE REGION, WYOMING. ML 3.2 (BUT).
04	02	12	47.4*	14.136	N	91.795	W	33	N	4.5	1.2	28	GUATEMALA
04	02	35	37.3	43.967	N	147.731	E	66	*	4.8	0.9	86	KURIL ISLANDS
04	02	49	35.0	29.658	N	68.379	E	33	N	4.5	1.0	43	PAKISTAN
04	02	55	57.7%	35.891	N	2.054	W	10	G		0.7	9	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
04	02	57	49.1*	43.028	N	143.931	E	130	*	3.9	0.8	18	HOKKAIDO, JAPAN REGION
04	03	00	42.8?	34.52	S	70.38	W	5	G		0.4	8	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
04	03	51	25.8	34.892	N	139.038	E	10	G	5.3 5.3	1.2	196	NEAR S. COAST OF HONSHU, JAPAN. Mw 5.6 (HRV). Three people slightly injured at Ito. Felt (IV JMA) at Ito, (III JMA) at Yokohama and Yokosuka, (II JMA) at Tokyo and (I JMA) at Kofu and Urawa. Centroid, Moment Tensor (HRV): Centroid origin time 03:51:29.3; Lat 34.93 N; Lon 139.21 E; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.20, Plg=11, Azm=15; (N) Val=1.20, Plg=65, Azm=261; (P) Val=-3.39, Plg=23, Azm=110; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=151, Dip=66, Slip=-9; NP2: Strike=244, Dip=82, Slip=-156.
04	04	40	38.4	7.249	S	129.143	E	102		5.5	0.8	138	BANDA SEA. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:40:43.8; Lat 7.57 S; Lon 129.19 E; Dep 128.5; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.46, Plg=29, Azm=299; (N) Val=-0.19, Plg=54, Azm=160; (P) Val=-2.27, Plg=20, Azm=41; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=82, Dip=54, Slip=7; NP2: Strike=348, Dip=84, Slip=144.
04	05	51	42.2&	38.801	N	122.800	W	2				20	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.3 (GS), 3.1 (BRK).
04	06	07	30.3	17.704	S	178.831	W	550	G	4.9	0.8	159	FIJI ISLANDS REGION
04	07	19	01.6*	54.635	N	161.663	E	33	N	3.3	1.1	14	NEAR EAST COAST OF KAMCHATKA
04	07	21	09.5	44.796	N	110.924	W	5	G		0.7	18	YELLOWSTONE REGION, WYOMING. ML 3.4 (BUT).
04	07	26	50.3*	36.695	S	178.192	E	33	N	4.7	0.6	11	OFF E. COAST OF N. ISLAND, N.Z.
04	07	40	38.5?	16.65	N	100.47	W	10	G	3.8	1.2	13	NEAR COAST OF GUERRERO, MEXICO
04	07	41	13.5*	26.387	S	178.216	E	650	G	4.5	1.0	26	SOUTH OF FIJI ISLANDS
04	07	53	10.3	24.236	S	67.068	W	180	D	4.9	1.1	72	CHILE-ARGENTINA BORDER REGION
04	07	54	40.2	3.087	N	122.287	E	33	N	4.5	1.0	17	CELEBES SEA
04	09	06	43.8	44.784	N	110.952	W	5	G		1.1	18	YELLOWSTONE REGION, WYOMING. ML 3.4 (BUT).
04	09	56	28.4?	30.37	N	67.72	E	33	N	3.6	1.2	8	PAKISTAN
04	09	58	35.5?	37.04	N	3.77	W	10	G		0.6	4	SPAIN. mbLg 2.2 (MDD).
04	10	43	49.5?	34.46	S	70.41	W	10	G		0.1	7	CHILE-ARGENTINA BORDER REGION
04	10	54	49.5&	35.580	N	117.160	W	5				9	CENTRAL CALIFORNIA. <PAS-P>. MD 2.9 (PAS).
04	11	21	47.6&	40.328	N	124.629	W	23				7	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM).
04	11	24	26.5*	29.566	N	68.237	E	33	N	3.6	0.6	11	PAKISTAN
04	12	24	59.4*	10.969	N	69.611	W	33	N	4.3	1.2	22	VENEZUELA
04	12	58	30.6*	29.935	N	68.385	E	33	N	3.9	1.1	9	PAKISTAN
04	13	02	41.1&	63.159	N	151.427	W	4				40	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
04	13	03	47.8	29.422	N	68.790	E	33	N	5.4 5.8	1.1	275	PAKISTAN. Mw 5.7 (GS), 5.7 (HRV). At least one person injured and additional damage at Sibi. Felt at Quetta. Moment Tensor (GS): Dep 13; Principal axes (scale 10**17 Nm): (T) Val=4.38, Plg=11, Azm=88; (N) Val=0.53, Plg=71, Azm=211; (P) Val=-4.91, Plg=15, Azm=355; Best double couple: Mo=4.6*10**17 Nm; NP1: Strike=132, Dip=72, Slip=-176; NP2: Strike=41, Dip=87, Slip=-19. Centroid, Moment Tensor (HRV): Centroid origin time 13:03:46.7; Lat 28.95 N; Lon 68.65 E; Dep 33.0 Fix; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=4.31, Plg=16, Azm=96; (N) Val=0.56, Plg=72, Azm=247; (P) Val=-4.88, Plg=8, Azm=4; Best double couple: Mo=4.6*10**17 Nm; NP1: Strike=139, Dip=73, Slip=175; NP2: Strike=231, Dip=85, Slip=17.
04	13	12	06.2?	20.73	S	178.10	W	550	G	4.4	0.4	9	FIJI ISLANDS REGION
04	13	52	49.7%	32.988	S	71.185	W	60	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
04	14	06	51.3*	29.757	N	68.241	E	33	N	3.9	1.3	18	PAKISTAN
04	14	22	54.2*	39.157	N	41.045	E	10	G	4.2	1.1	21	TURKEY. MD 4.7 (ISK). Felt in Bingol, Erzurum and Tunceli.
04	14	28	20.2*	34.777	N	139.019	E	10	G	3.4	1.1	8	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) at Atami and Ito.
04	14	48	28.1	27.121	N	55.338	E	33	N	4.3	0.8	29	SOUTHERN IRAN
04	16	42	10.0*	15.257	S	75.585	W	45	?	3.7	1.2	16	NEAR COAST OF PERU
04	17	03	44.7?	10.54	S	66.19	E	10	G		0.4	7	MID-INDIAN RIDGE
04	17	24	17.2?	10.56	S	66.30	E	10	G	5.0	1.0	15	MID-INDIAN RIDGE
04	17	49	06.6?	10.50	S	66.29	E	10	G		0.3	6	MID-INDIAN RIDGE
04	18	50	38.2*	51.715	N	175.095	W	33	N		0.8	15	ANDREANOF ISLANDS, ALEUTIAN IS.
04	20	33	06.3&	40.333	N	124.615	W	21				5	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM).
04	20	33	19.6*	29.606	N	68.746	E	33	N	4.0	1.2	14	PAKISTAN
04	20	39	44.5*	34.784	N	86.563	E	33	N	4.5	1.1	18	XIZANG
04	21	41	57.6	34.504	N	36.591	W	10	G	5.0 4.9	1.1	154	NORTHERN MID-ATLANTIC RIDGE
04	22	11	50.7*	5.668	S	130.805	E	33	N	4.6	1.2	13	BANDA SEA

04	23	31	41.8*	34.712	N	86.614	E	33	N			1.4	12	XIZANG
05	00	18	37.0	8.022	S	107.286	E	33	N	4.8	4.4	1.2	52	JAWA, INDONESIA
05	00	50	56.7?	55.51	S	124.32	W	10	G			0.9	5	SOUTHERN EAST PACIFIC RISE
05	01	03	19.2&	60.940	N	150.354	W	36					76	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC), 3.0 (PMR).
05	01	27	13.5?	12.44	S	86.91	E	10	G	4.3		1.4	12	SOUTH INDIAN OCEAN
05	01	30	19.3?	55.37	S	123.95	W	10	G	4.8		1.5	46	SOUTHERN EAST PACIFIC RISE
05	02	14	52.0?	57.76	S	122.16	W	10	G	4.3		1.3	9	SOUTHERN EAST PACIFIC RISE
05	02	18	06.2*	10.776	N	69.590	W	33	N	4.0		1.4	21	VENEZUELA
05	02	28	55.3	3.687	S	80.556	W	37	D	4.8	5.3	0.8	89	PERU-ECUADOR BORDER REGION
05	02	44	33.3	23.267	S	179.643	E	550	G	4.5		0.9	53	SOUTH OF FIJI ISLANDS
05	03	23	31.3?	7.64	S	108.19	E	100	G			1.2	9	JAWA, INDONESIA
05	03	28	35.0	44.600	N	9.313	E	5	G			0.8	58	NORTHERN ITALY. ML 2.9 (GEN), 2.6 (LDG), 2.4 (VIE).
05	03	36	11.1*	23.986	N	143.077	E	50	G			0.6	7	VOLCANO ISLANDS REGION
05	03	40	59.9?	30.65	N	58.82	E	33	N	3.6		0.7	9	NORTHERN IRAN
05	03	57	48.9&	33.899	S	70.508	W	100	G			0.6	8	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
05	04	12	42.8?	3.28	N	128.27	E	33	N	3.8		1.2	8	NORTH OF HALMAHERA, INDONESIA
05	04	15	57.5*	29.532	N	68.182	E	33	N	3.7		0.8	10	PAKISTAN
05	04	22	03.4?	29.28	N	68.39	E	33	N	3.8		0.8	7	PAKISTAN
05	04	23	47.9?	7.13	N	73.46	W	200	G	3.8		1.3	7	NORTHERN COLOMBIA
05	04	43	19.8?	26.33	N	111.42	W	10	G			1.3	6	GULF OF CALIFORNIA
05	04	58	36.5*	2.695	S	140.822	E	33	N	4.1		1.3	12	NEAR NORTH COAST OF IRIAN JAYA
05	05	18	17.8?	2.01	N	97.76	W	10	G	4.0		1.3	20	WEST OF GALAPAGOS ISLANDS
05	05	37	51.7&	57.372	N	156.766	W	86		3.2			66	ALASKA PENINSULA. <AEIC>.
05	06	15	17.2	33.681	S	138.983	E	10	G	4.8		1.2	49	NEAR SOUTH COAST OF AUSTRALIA
05	06	35	44.4?	2.45	S	127.05	E	33	N	4.1		0.7	7	CERAM SEA
05	07	53	11.4&	60.337	N	152.122	W	79					42	SOUTHERN ALASKA. <AEIC>.
05	07	53	45.8*	33.343	S	139.120	E	10	G	4.0		1.3	5	NEAR SOUTH COAST OF AUSTRALIA
05	08	08	59.7*	51.431	N	175.669	W	33	N	3.0		1.2	9	ANDREANOF ISLANDS, ALEUTIAN IS.
05	08	19	43.6*	3.776	S	11.927	W	10	G	4.4		1.3	12	NORTH OF ASCENSION ISLAND
05	08	22	09.6?	34.82	S	70.71	W	120	G			0.1	10	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
05	08	40	01.6*	3.906	S	133.872	E	33	N	4.3		1.2	14	IRIAN JAYA REGION, INDONESIA
05	08	40	51.6*	29.771	N	68.318	E	33	N	4.1		1.3	18	PAKISTAN
05	09	01	31.2*	21.904	N	143.562	E	207	?	3.6		0.9	9	MARIANA ISLANDS REGION
05	09	14	24.1?	13.33	N	145.78	E	33	N			0.5	7	MARIANA ISLANDS
05	09	16	46.3	43.418	N	5.465	E	5	G			0.6	17	NEAR SOUTH COAST OF FRANCE. ML 3.3 (STR).
05	09	33	03.9?	11.10	S	119.12	E	33	N	3.6		0.9	7	SOUTH OF SUMBA, INDONESIA
05	09	35	10.2	41.195	N	75.732	E	33	N	4.8	4.8	1.0	103	KYRGYZSTAN. Felt (V) at Akmuz and Pogranichnik, (IV) at Naryn and (III) at Bishkek. Also felt (III) at Almaty, Kazakhstan.
05	10	23	30.1?	34.77	N	139.36	E	10	G			1.0	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) at Ito and Kawana.
05	10	38	25.2*	3.609	S	12.141	W	10	G	4.3		0.6	10	NORTH OF ASCENSION ISLAND
05	10	56	25.5?	3.19	S	150.32	E	33	N	3.8		1.1	7	NEW IRELAND REGION, P.N.G.
05	10	59	07.4?	29.84	N	68.38	E	33	N			0.6	6	PAKISTAN
05	11	31	07.0*	11.588	N	87.244	W	50	G	4.4		1.2	31	NEAR COAST OF NICARAGUA
05	11	46	17.2?	27.14	N	111.14	W	10	G	3.9		1.0	17	GULF OF CALIFORNIA
05	11	46	39.4&	32.462	S	70.784	W	80	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
05	12	15	20.1	26.504	S	66.419	W	33	N	4.2		1.1	18	CATAMARCA PROVINCE, ARGENTINA
05	12	17	42.5?	38.90	N	27.90	E	10	G			0.1	4	TURKEY. MD 2.9 (ISK).
05	12	20	15.4	52.563	N	158.938	E	33	N	5.0		0.9	143	NEAR EAST COAST OF KAMCHATKA. Felt (III) at Petropavlovsk-Kamchatskiy.
05	12	40	25.6	41.768	N	2.177	E	10	G			1.2	13	SPAIN. ML 3.1 (LDG). mbLg 3.0 (MDD).
05	12	54	52.3?	39.17	N	27.64	E	10	G			0.1	4	TURKEY. MD 2.7 (ISK).
05	12	57	34.1	39.431	N	75.321	E	62	*	4.6		1.0	33	SOUTHERN XINJIANG, CHINA
05	13	10	24.1*	5.375	S	153.045	E	33	N	3.9		1.2	11	NEW IRELAND REGION, P.N.G.
05	13	43	26.3*	34.784	N	139.046	E	10	G	4.6	4.2	1.5	35	NEAR S. COAST OF HONSHU, JAPAN
05	13	55	52.1	13.377	S	166.452	E	33	N	5.5	5.3	1.4	208	VANUATU ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:55:55.9; Lat 13.51 S; Lon 166.24 E; Dep 31.1; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.99, Plg=57, Azm=119; (N) Val=-0.10, Plg=18, Azm=359; (P) Val=-1.89, Plg=26, Azm=260; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=315, Dip=24, Slip=42; NP2: Strike=185, Dip=74, Slip=109.
05	13	56	39.0*	22.292	S	67.454	W	200	G			1.4	6	CHILE-BOLIVIA BORDER REGION
05	15	06	16.7	37.453	N	20.720	E	10	G	4.3		1.3	150	IONIAN SEA. ML 4.4 (THE).
05	15	13	17.1	30.747	N	90.273	E	33	N	4.7		1.0	44	XIZANG
05	15	14	54.1?	17.53	S	178.28	W	600	G	3.7		0.5	9	FIJI ISLANDS REGION
05	15	35	28.3*	34.814	N	139.330	E	10	G	3.5		1.3	10	NEAR S. COAST OF HONSHU, JAPAN
05	15	43	29.1&	43.977	N	7.442	E	5	G			0.1	5	NEAR SOUTH COAST OF FRANCE. ML 0.8 (STR).
05	16	00	03.3*	36.638	S	177.632	E	33	N	4.6		0.9	11	OFF E. COAST OF N. ISLAND, N.Z.
05	16	37	15.8	45.881	N	6.191	E	5	G			1.1	10	FRANCE. ML 2.3 (STR).
05	16	42	07.3?	29.62	N	68.28	E	33	N	4.0		1.3	9	PAKISTAN
05	16	50	17.7*	4.158	N	95.121	E	100	G	4.2		0.8	16	NORTHERN SUMATERA, INDONESIA
05	16	58	38.9	40.918	N	49.507	E	33	N	4.8		0.9	158	EASTERN CAUCASUS
05	17	26	33.8?	30.51	N	67.69	E	33	N	3.7		1.1	8	PAKISTAN
05	17	35	22.5*	39.634	N	139.788	E	47	*	4.6	4.1	1.5	11	NEAR WEST COAST OF HONSHU, JAPAN
05	17	42	45.0&	33.183	S	70.361	W	5	G			0.6	8	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
05	17	54	36.7	37.450	N	20.666	E	33	N	4.1		0.9	30	IONIAN SEA
05	19	12	36.0&	14.643	N	52.328	E	10	G			1.0	10	EASTERN GULF OF ADEN
05	19	31	54.7&	29.756	N	68.354	E	33	N			1.0	9	PAKISTAN
05	19	38	33.9?	17.85	S	178.78	W	600	G	4.4		1.1	16	FIJI ISLANDS REGION
05	19	48	03.8&	39.851	N	76.156	E	33	N			0.6	5	SOUTHERN XINJIANG, CHINA
05	20	14	29.5	10.910	S	165.400	E	33	N	5.1	5.1	0.7	70	SANTA CRUZ ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:14:30.2; Lat 11.35 S; Lon 165.44 E; Dep 33.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.16, Plg=66, Azm=75; (N) Val=-0.10, Plg=0, Azm=345; (P) Val=-8.05, Plg=24, Azm=255; Best double couple: Mo=8.1*10**16 Nm; NP1: Strike=345, Dip=21, Slip=90; NP2: Strike=165, Dip=69, Slip=90.
05	20	21	36.8*	23.373	N	142.988	E	33	N	4.1		1.2	22	VOLCANO ISLANDS REGION
05	21	31	43.6?	3.96	S	129.71	E	33	N	3.7		1.2	13	SERAM, INDONESIA

05	22	33	25.2	3.109	N	126.706	E	33	N	4.8	4.2	0.9	31	TALAUD ISLANDS, INDONESIA
05	22	46	27.4?	3.21	N	127.22	E	33	N			0.6	7	TALAUD ISLANDS, INDONESIA
05	22	54	57.2*	7.293	S	120.968	E	500	G	4.8		1.1	23	FLORES SEA
05	23	14	05.8*	52.414	N	172.734	W	78	D			1.1	10	ANDREANOF ISLANDS, ALEUTIAN IS.
05	23	37	18.0?	31.70	S	71.83	W	20	G			0.3	11	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
05	23	38	05.6*	28.380	N	139.936	E	390	*	3.8		0.9	16	BONIN ISLANDS REGION
05	23	38	08.6&	37.951	N	122.010	W	11					15	CENTRAL CALIFORNIA. <GM-P>. MD 2.4 (GM). ML 2.3 (BRK). Felt at Concord, Martinez and Walnut Creek.
05	23	42	03.4&	54.527	N	163.505	W	82					22	UNIMAK ISLAND REGION. <AEIC>.
06	01	05	10.5%	43.027	N	0.464	W	10	G			0.7	5	PYRENEES. ML 0.9 (STR).
06	01	29	17.7%	45.020	N	7.253	E	10	G			0.6	5	NORTHERN ITALY. ML 1.6 (GEN).
06	01	44	32.5?	34.07	S	71.63	W	40	G			0.3	7	NEAR COAST OF CENTRAL CHILE
06	02	06	01.1?	32.15	S	70.00	W	130	G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
06	02	24	20.6?	33.13	S	69.37	W	5	G			0.6	10	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
06	02	34	19.1	1.885	N	127.707	E	33	N	5.2	5.1	1.1	50	HALMAHERA, INDONESIA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:34:26.4; Lat 2.76 N; Lon 127.01 E; Dep 53.8; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=1.81, Plg=33, Azm=83; (N) Val=-0.51, Plg=49, Azm=304; (P) Val=-1.30, Plg=21, Azm=188; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=229, Dip=50, Slip=10; NP2: Strike=133, Dip=83, Slip=140.
06	02	43	09.9*	2.080	N	127.977	E	33	N	4.2		1.4	13	NORTHERN MOLUCCA SEA
06	03	16	45.2%	37.883	N	2.556	W	5	G			0.8	8	SPAIN. mbLg 2.4 (MDD).
06	03	33	56.1*	55.277	S	1.690	W	10	G	4.4		1.2	10	BOUVET ISLAND REGION
06	03	40	15.9%	37.875	N	2.552	W	10	G			1.1	10	SPAIN. mbLg 2.7 (MDD).
06	03	41	17.2*	31.212	N	142.353	E	33	N			1.2	10	SOUTH OF HONSHU, JAPAN
06	03	47	14.8	36.104	N	28.596	E	55	*	3.6		1.0	40	DODECANESE ISLANDS. MD 3.7 (ISK).
06	03	48	16.1?	36.63	N	72.33	E	100	G			1.3	6	AFGHANISTAN-TAJIKISTAN BORD REG.
06	03	52	33.5*	34.844	N	138.850	E	10	G	3.4		0.4	6	NEAR S. COAST OF HONSHU, JAPAN
06	04	13	14.5?	30.03	N	67.65	E	33	N			0.3	5	PAKISTAN
06	04	24	39.8?	32.64	S	71.80	W	15	G			0.6	7	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
06	04	25	27.1*	34.959	N	139.216	E	10	G	4.4		0.9	14	NEAR S. COAST OF HONSHU, JAPAN
06	04	33	26.2*	41.491	S	75.274	W	33	N	4.2		0.6	15	OFF COAST OF SOUTHERN CHILE
06	04	58	33.6*	34.843	N	139.165	E	10	G	3.2		1.1	8	NEAR S. COAST OF HONSHU, JAPAN
06	04	59	22.7*	11.983	N	43.376	E	10	G	4.5		1.2	16	ETHIOPIA
06	05	51	42.1?	34.92	N	139.16	E	10	G			1.2	6	NEAR S. COAST OF HONSHU, JAPAN
06	06	00	59.6*	31.204	N	141.636	E	33	N			1.4	17	SOUTH OF HONSHU, JAPAN
06	06	01	27.2*	36.656	S	177.721	E	33	N	4.6		1.0	12	OFF E. COAST OF N. ISLAND, N.Z.
06	06	19	32.0	52.559	N	158.920	E	33	N	5.1		0.8	162	NEAR EAST COAST OF KAMCHATKA. Felt (III) at Petropavlovsk-Kamchatskiy.
06	06	23	26.8*	3.111	N	126.874	E	33	N	4.7		1.0	22	TALAUD ISLANDS, INDONESIA
06	06	28	50.9?	5.93	S	125.09	E	600	G			0.9	6	BANDA SEA
06	06	32	01.6*	3.103	N	126.807	E	33	N	4.4		1.0	21	TALAUD ISLANDS, INDONESIA
06	06	50	47.9	40.650	N	139.374	E	47	D	4.9		0.8	119	NEAR WEST COAST OF HONSHU, JAPAN
06	07	27	14.4*	3.087	N	126.760	E	33	N	4.5		1.4	20	TALAUD ISLANDS, INDONESIA
06	08	01	47.0%	33.062	S	70.490	W	90	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
06	08	29	00.4	3.644	N	126.528	E	33	N	4.7		0.7	20	TALAUD ISLANDS, INDONESIA
06	09	15	50.2?	10.86	N	62.00	W	40	G			1.0	5	NEAR COAST OF VENEZUELA
06	10	00	17.2?	11.06	S	165.44	E	33	N			1.3	9	SANTA CRUZ ISLANDS
06	10	12	20.3?	34.68	N	139.21	E	10	G	3.4		0.3	6	NEAR S. COAST OF HONSHU, JAPAN
06	10	43	34.4&	63.436	N	151.138	W	15					64	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.5 (PMR).
06	10	48	46.3%	32.586	S	71.653	W	15	G			0.3	9	NEAR COAST OF CENTRAL CHILE
06	10	50	00.0?	37.72	S	177.44	E	33	N	4.9		1.3	15	OFF E. COAST OF N. ISLAND, N.Z.
06	10	52	04.1*	15.472	S	173.107	W	33	N	4.7	4.7	1.0	50	TONGA ISLANDS
06	11	09	24.2	38.173	N	20.520	E	33	N			1.3	34	GREECE
06	11	13	04.3?	30.64	S	179.71	W	500	G	4.0		1.1	15	KERMADEC ISLANDS REGION
06	11	35	54.0*	34.779	N	139.276	E	10	G	3.4		1.0	9	NEAR S. COAST OF HONSHU, JAPAN
06	11	57	52.9?	13.99	N	89.66	W	100	G	4.0		1.0	11	EL SALVADOR
06	12	07	16.9%	33.362	S	69.880	W	10	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
06	12	48	12.3&	63.242	N	151.023	W	13					62	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
06	13	02	48.7	44.323	N	6.087	E	5	G			0.6	28	FRANCE. ML 2.5 (GEN), 2.2 (STR).
06	13	21	36.6?	32.62	S	71.43	W	30	G			0.4	7	NEAR COAST OF CENTRAL CHILE
06	15	13	17.8*	0.703	N	99.848	E	150	G	4.6		1.0	40	NORTHERN SUMATERA, INDONESIA
06	15	16	32.0	5.518	N	0.313	W	10	G	4.4		0.7	46	NORTHWEST AFRICA. Seven people injured and power outages occurred in the Accra area, Ghana.
06	15	55	58.4*	12.992	N	44.885	W	10	G	4.0		0.7	16	NORTHERN MID-ATLANTIC RIDGE
06	17	16	10.9%	10.119	N	121.695	E	33	N			1.1	8	PANAY, PHILIPPINE ISLANDS
06	17	36	07.4?	34.96	N	139.31	E	10	G	3.5		1.4	10	NEAR S. COAST OF HONSHU, JAPAN
06	17	37	52.9?	8.86	S	124.28	E	100	G	4.2		1.4	11	TIMOR REGION, INDONESIA
06	18	32	13.3*	36.028	S	98.967	W	10	G	4.8		1.0	23	SOUTHERN PACIFIC OCEAN
06	18	35	53.7%	33.158	S	70.355	W	5	G			0.5	7	CHILE-ARGENTINA BORDER REGION
06	19	12	38.7?	10.06	N	84.99	W	33	N	3.3		1.6	8	COSTA RICA
06	19	59	42.3	6.209	S	155.295	E	174	D	5.1		0.9	114	SOLOMON ISLANDS
06	21	00	15.0&	59.936	N	152.778	W	101		2.4			67	SOUTHERN ALASKA. <AEIC>.
06	21	01	32.7?	17.40	S	178.96	W	600	G	4.4		0.6	11	FIJI ISLANDS REGION
06	21	10	07.3*	6.287	S	103.727	E	33	N	4.6		1.0	19	SOUTHWEST OF SUMATERA, INDONESIA
06	22	00	35.8?	27.83	S	177.22	W	150	G	4.4		1.4	23	KERMADEC ISLANDS REGION
06	22	19	31.5	22.039	S	65.836	W	261		4.2		0.7	24	JUJUY PROVINCE, ARGENTINA
06	22	25	20.7&	54.323	N	161.352	W	10					12	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
06	22	27	56.5&	59.225	N	152.923	W	80					85	SOUTHERN ALASKA. <AEIC>.
06	22	29	54.9*	34.819	N	139.158	E	10	G			0.3	5	NEAR S. COAST OF HONSHU, JAPAN
06	23	28	37.7?	39.11	N	43.66	E	10	G			0.8	6	TURKEY
07	00	01	40.0	23.172	S	175.413	W	33	N	4.9	5.1	0.8	42	TONGA ISLANDS REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:01:43.2; Lat 23.68 S; Lon 175.17 W; Dep 40.2; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.59, Plg=68, Azm=324; (N) Val=1.35, Plg=9, Azm=212; (P) Val=-7.95, Plg=20, Azm=119; Best double couple: Mo=7.3*10**16 Nm; NP1: Strike=195, Dip=26, Slip=70; NP2: Strike=36, Dip=65, Slip=99.
07	00	19	22.7*	29.706	S	176.882	W	33	N	4.4		1.0	12	KERMADEC ISLANDS REGION
07	00	41	25.2?	2.88	N	128.34	E	100	G	4.6		1.4	13	HALMAHERA, INDONESIA

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07  00 58 11.2? 19.84  S  175.97  W  200 G  4.3       1.1   20  TONGA ISLANDS
07  01 20 45.8* 34.952 N  139.105 E   10 G  4.4       1.4   30  NEAR S. COAST OF HONSHU, JAPAN
07  01 21 32.0*  6.595 S  129.886 E  122 D  4.7       1.1   18  BANDA SEA
07  02 18 29.6& 29.786 N   95.335 E   33 N            1.3   10  EASTERN XIZANG-INDIA BORDER REG.
07  02 23 22.9? 34.93  N   32.98  E   33 N            0.5    9  CYPRUS REGION
07  02 59 05.0* 23.040 S  175.476 W   33 N  4.8       0.8   23  TONGA ISLANDS REGION
07  03 03 19.3* 22.330 S  175.981 W   33 N  4.6       1.1   38  TONGA ISLANDS REGION
07  03 04 00.0* 22.378 S  175.895 W   33 N  5.1 5.7   0.9   48  TONGA ISLANDS REGION. Mw 5.9 (GS), 5.7 (HRV).
                                                               Moment Tensor (GS): Dep 3; Principal axes (scale 10**17 Nm):
                                                                (T) Val=6.86, Plg=47, Azm=294; (N) Val=0.88, Plg=2, Azm=27;
                                                                (P) Val=-7.74, Plg=43, Azm=119; Best double couple:
                                                                Mo=7.3*10**17 Nm; NP1: Strike=259, Dip=3, Slip=143; NP2:
                                                                Strike=27, Dip=88, Slip=88.
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                03:04:00.5; Lat 22.42 S; Lon 176.24 W; Dep 33.0 Fix; Half-
                                                                duration 2.0 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=4.45, Plg=29, Azm=297; (N) Val=-1.23, Plg=32, Azm=187;
                                                                (P) Val=-3.22, Plg=44, Azm=59; Best double couple:
                                                                Mo=3.8*10**17 Nm; NP1: Strike=77, Dip=33, Slip=-16; NP2:
                                                                Strike=181, Dip=81, Slip=-122.
07  03 26 08.6  10.258 N  125.933 E   50 D  4.8       0.9   39  LEYTE, PHILIPPINE ISLANDS
07  03 32 17.1* 45.901 N  150.364 E   33 N  4.0       1.3   21  KURIL ISLANDS
07  03 52 46.9? 46.60  N  150.80  E   33 N  3.3       1.5   10  KURIL ISLANDS
07  04 03 21.0? 10.31  N  126.01  E   33 N  4.6       1.5    9  PHILIPPINE ISLANDS REGION
07  04 09 43.0? 46.51  N  148.70  E   33 N            1.5    7  NORTHWEST OF KURIL ISLANDS
07  04 13 51.9*  7.512 N   77.073 W   59 ?  3.9       1.3   19  PANAMA-COLOMBIA BORDER REGION
07  04 39 12.0* 65.686 N   17.996 W   10 G  3.0       1.3    7  ICELAND
07  05 00 50.8  57.084 N  149.669 W   10 G  3.1       0.8   94  GULF OF ALASKA. ML 3.6 (AEIC), 3.7 (PMR).
07  05 01 50.4? 34.81  N  139.42  E   10 G            0.6    4  NEAR S. COAST OF HONSHU, JAPAN
07  06 27 34.8* 11.052 N   69.455 W   50 G  4.2       1.3   15  NEAR COAST OF VENEZUELA
07  07 31 09.1? 39.57  N   29.57  E   10 G            1.2    4  TURKEY. MD 2.5 (ISK).
07  07 33 19.9  34.816 N  139.104 E   10 G  4.6       1.4   44  NEAR S. COAST OF HONSHU, JAPAN
07  07 44 48.7? 39.12  N   27.65  E   10 G            0.0    4  TURKEY. MD 2.7 (ISK).
07  07 46 16.3? 10.61  N   61.12  W   33 N            0.7    4  TRINIDAD. MD 2.7 (TRN).
07  08 11 40.3? 54.63  N  164.06  W  116 ?           1.4    9  UNIMAK ISLAND REGION
07  08 14 45.1& 31.503 S  117.588 E    5 G            0.6    5  WESTERN AUSTRALIA
07  08 15 26.0& 43.871 N    7.321 E   10 G            0.6    6  NEAR SOUTH COAST OF FRANCE. ML 1.2 (STR).
07  08 27 36.8? 38.04  S  179.20  E   33 N  4.3       1.1    8  OFF E. COAST OF N. ISLAND, N.Z.
07  08 31 26.7? 57.98  N   33.02  W   10 G            0.7    7  NORTH ATLANTIC OCEAN
07  08 32 57.3  58.022 N   32.426 W   10 G  4.3       0.9   32  NORTH ATLANTIC OCEAN
07  08 56 17.1? 22.70  S  175.20  W   33 N            1.2    8  TONGA ISLANDS REGION
07  09 15 47.8?  5.49  S  128.69  E  300 G  3.8       1.3   11  BANDA SEA
07  09 20 55.9? 39.13  N   27.56  E   10 G            0.5    4  TURKEY. MD 2.8 (ISK).
07  09 42 23.6   6.485 S   71.217 W  628 D  4.9       0.9  224  WESTERN BRAZIL. Mw 5.4 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                09:42:28.4; Lat 6.30 S; Lon 71.15 W; Dep 632.1; Half-
                                                                duration 1.3 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.48, Plg=18, Azm=74; (N) Val=0.26, Plg=18, Azm=338;
                                                                (P) Val=-1.74, Plg=64, Azm=206; Best double couple:
                                                                Mo=1.6*10**17 Nm; NP1: Strike=190, Dip=31, Slip=-54; NP2:
                                                                Strike=330, Dip=65, Slip=-110.
07  09 44 13.4? 23.31  S  175.76  W   33 N  4.4       1.0   13  TONGA ISLANDS REGION
07  09 53 19.3?  6.54  S  130.46  E   33 N  4.5       0.7    8  BANDA SEA
07  10 00 44.9? 18.81  S  168.83  E  150 G            0.8    8  VANUATU ISLANDS
07  10 10 13.2? 22.99  S  176.83  W   46 D  4.7       1.4   15  SOUTH OF FIJI ISLANDS
07  11 12 55.6? 22.90  S  170.96  E   33 N            1.1    8  LOYALTY ISLANDS REGION
07  12 35 44.6  34.763 N  139.148 E   10 G  4.3       1.3   23  NEAR S. COAST OF HONSHU, JAPAN
07  12 45 45.5* 57.380 S   25.607 W   33 N  4.8       1.0   20  SOUTH SANDWICH ISLANDS REGION
07  13 52 48.6* 29.827 N   67.726 E   33 N  3.7       1.1   15  PAKISTAN
07  14 00 48.1? 19.21  S  177.53  W  550 G  4.1       1.2   10  FIJI ISLANDS REGION
07  14 01 57.3? 40.48  N   27.83  E   10 G            0.1    4  TURKEY. MD 2.7 (ISK).
07  14 08 57.2& 33.406 S   71.213 W   60 G            0.3   11  NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
07  15 01 39.2* 34.783 N  139.302 E   10 G            0.2    7  NEAR S. COAST OF HONSHU, JAPAN
07  15 15 48.7* 19.402 S   69.768 W  100 G  3.5       0.7    8  NORTHERN CHILE
07  16 18 53.8& 38.794 N  122.781 W    2                     18  NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (GS), 3.0
                                                                (BRK).
07  16 29 19.5  40.332 N  126.751 W   10 G            0.8   30  OFF COAST OF NORTHERN CALIFORNIA. ML 4.3 (GS).
07  16 39 42.5* 25.603 N  141.640 E  179 *  4.3       0.4   10  VOLCANO ISLANDS REGION
07  17 19 25.0& 60.464 N  151.849 W   73                    81  KENAI PENINSULA, ALASKA. <AEIC>.
07  17 27 55.5   6.757 N   72.962 W  160 D  4.7       0.8  157  NORTHERN COLOMBIA. Felt in Antioquia and Santander
                                                                Departments.
07  17 55 25.4* 30.898 S  177.854 W  100 G  5.0       1.2   35  KERMADEC ISLANDS, NEW ZEALAND. Mw 5.4 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                17:55:23.8; Lat 30.75 S; Lon 177.62 W; Dep 42.3; Half-
                                                                duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.26, Plg=63, Azm=285; (N) Val=0.11, Plg=1, Azm=193;
                                                                (P) Val=-1.38, Plg=27, Azm=103; Best double couple:
                                                                Mo=1.3*10**17 Nm; NP1: Strike=191, Dip=18, Slip=88; NP2:
                                                                Strike=14, Dip=72, Slip=91.
07  18 18 14.2? 31.25  S  178.12  W  200 G  4.5       1.1   15  KERMADEC ISLANDS REGION
07  18 33 00.9? 34.63  N   71.76  E   33 N            1.4    8  PAKISTAN
07  18 39 45.9& 63.459 N  148.769 W   15                    53  CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.9 (PMR).
07  19 00 04.9* 26.022 S   69.787 W   70 *  4.0       1.2   13  NORTHERN CHILE
07  19 03 28.0  28.797 N  130.046 E   33 N  4.7       1.2   30  RYUKYU ISLANDS
07  19 15 47.7* 23.937 S   67.059 W  231 ?  4.4       1.3    7  CHILE-ARGENTINA BORDER REGION
07  19 34 42.5  11.103 S   73.956 W   33 N  5.1 4.4   0.7  103  CENTRAL PERU
07  20 39 23.8* 52.247 N   30.252 W   10 G  3.5       1.0   10  NORTHERN MID-ATLANTIC RIDGE
07  20 40 57.4& 63.552 N  152.784 W    9                    48  CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
07  21 03 54.9?  6.45  S  154.74  E   33 N  4.1       0.9    6  SOLOMON ISLANDS
07  21 29 06.3& 47.688 N    2.333 W    5 G            0.6    7  FRANCE. ML 1.8 (LDG).
07  21 40 54.7& 37.051 N    3.828 W   10 G            0.2    5  SPAIN. mbLg 2.2 (MDD).
07  21 41 07.7* 75.019 N    8.714 E   10 G  4.1       1.1   11  GREENLAND SEA
07  21 55 53.9  39.807 N    9.896 W   10 G            1.0   29  PORTUGAL. MD 3.9 (MDD).
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07	21	58	54.6?	58.75	S	25.35	W	33	N		1.5	11	SOUTH SANDWICH ISLANDS REGION
07	22	51	08.3	49.946	N	18.702	E	10	G		1.1	26	CZECH AND SLOVAK REPUBLICS. ML 4.0 (GRF), 3.5 (VIE), 3.3 (CLL).
07	22	56	40.9*	3.118	N	126.868	E	33	N	4.6	0.9	21	TALAUD ISLANDS, INDONESIA
07	23	15	33.6*	12.573	S	166.880	E	250	G	4.4	1.3	58	SANTA CRUZ ISLANDS
07	23	36	08.3&	21.837	N	121.630	E	33	N		0.9	7	TAIWAN REGION
08	00	41	11.7?	29.15	N	69.17	E	33	N	3.6	1.5	5	PAKISTAN
08	00	44	17.6&	33.999	N	117.579	W	3				27	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.0 (PAS). ML 3.0 (GS). Felt in the Ontario area.
08	00	59	20.2	7.688	S	123.411	E	249	*	5.0	0.9	32	BANDA SEA
08	02	14	02.3&	60.141	N	153.024	W	117				60	SOUTHERN ALASKA. <AEIC>.
08	02	17	37.4*	4.403	S	145.248	E	33	N	4.2	0.3	7	NEAR N COAST OF NEW GUINEA, PNG.
08	02	20	21.4&	40.934	N	28.133	E	10	G		0.6	7	TURKEY. MD 2.8 (ISK).
08	02	44	41.7*	37.725	N	21.266	E	10	G		0.4	11	SOUTHERN GREECE
08	04	25	53.0*	10.915	S	165.323	E	33	N	4.6	1.3	28	SANTA CRUZ ISLANDS
08	04	29	41.4*	10.958	S	165.374	E	33	N	4.6	0.9	27	SANTA CRUZ ISLANDS
08	05	52	24.2*	37.816	N	72.664	E	163	?		0.4	10	TAJIKISTAN
08	06	10	47.9	58.112	N	32.347	W	10	G	4.6 4.5	0.9	79	NORTH ATLANTIC OCEAN
08	06	12	35.1	58.023	N	32.506	W	10	G	4.6	1.0	33	NORTH ATLANTIC OCEAN
08	06	38	18.6?	5.43	S	152.56	E	33	N	4.1	1.2	7	NEW BRITAIN REGION, P.N.G.
08	07	15	17.6*	44.461	N	141.969	E	255	*	4.1	0.8	16	HOKKAIDO, JAPAN REGION
08	08	16	49.7&	61.487	N	150.868	W	60				46	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.0 (PMR).
08	08	45	56.5?	10.85	N	61.03	W	10	G		0.4	4	TRINIDAD. MD 2.8 (TRN).
08	09	08	26.1*	17.537	S	178.989	W	600	G	4.5	0.8	22	FIJI ISLANDS REGION
08	09	33	16.3?	36.71	N	71.75	E	33	N	3.7	0.8	11	AFGHANISTAN-TAJIKISTAN BORD REG.
08	09	58	45.3*	2.358	S	138.786	E	33	N	4.7	0.6	15	IRIAN JAYA, INDONESIA
08	10	20	35.6*	3.039	N	126.775	E	75	*	4.5	0.8	15	TALAUD ISLANDS, INDONESIA
08	10	50	43.3&	45.125	N	6.554	E	5	G		0.6	6	FRANCE. ML 1.9 (LDG).
08	11	31	25.3&	59.664	N	153.088	W	105				39	SOUTHERN ALASKA. <AEIC>.
08	12	11	36.7*	5.186	S	144.893	E	33	N	4.4	1.1	20	NEW GUINEA, PAPUA NEW GUINEA
08	14	18	18.4	51.671	N	16.292	E	5	G		0.9	10	POLAND
08	14	53	19.1*	34.844	N	139.180	E	10	G	3.6	1.3	12	NEAR S. COAST OF HONSHU, JAPAN
08	14	58	52.0*	29.412	N	68.581	E	33	N	4.1	1.2	10	PAKISTAN
08	15	18	13.5?	19.36	S	179.22	W	600	G	3.8	1.0	8	FIJI ISLANDS REGION
08	15	21	02.3	27.535	N	34.192	E	10	G	4.8	0.7	41	RED SEA. MD 4.8 (RYD).
08	15	24	12.0	46.405	N	12.697	E	10	G		1.3	17	NORTHERN ITALY. ML 3.4 (GRF), 3.1 (VIE), 3.0 (FUR).
08	15	36	51.8&	36.095	N	117.665	W	1				33	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. MD 3.6 (PAS). ML 3.4 (GS).
08	15	51	06.2	34.329	N	32.379	E	33	N	4.1	0.9	45	CYPRUS REGION. ML 4.2 (JER). MD 4.1 (ISK).
08	17	20	22.4*	22.402	S	175.031	W	33	N	4.7	1.1	25	TONGA ISLANDS REGION
08	17	41	57.7	58.077	N	32.392	W	10	G	4.8 4.7	0.9	100	NORTH ATLANTIC OCEAN
08	18	05	57.5	58.095	N	32.240	W	10	G	4.5 4.2	1.1	36	NORTH ATLANTIC OCEAN
08	18	30	47.1*	35.295	N	77.787	E	33	N	3.9	1.5	14	EASTERN KASHMIR
08	18	32	36.5	47.247	N	11.376	E	5	G		0.7	11	AUSTRIA. ML 2.3 (FUR), 2.0 (VIE).
08	18	53	37.5	45.871	N	15.714	E	10	G		0.8	15	NORTHWESTERN BALKAN REGION. MD 3.6 (LJU). ML 3.4 (VIE). Felt (IV) at Brezice and Krsko, Slovenia. Also felt (IV) at Zapresic, Croatia. Felt at Harmica, Croatia.
08	19	00	16.2&	62.692	N	150.656	W	90				39	CENTRAL ALASKA. <AEIC>.
08	20	42	33.1?	5.93	S	126.42	E	575	?	4.3	1.4	12	BANDA SEA
08	21	19	47.1	21.636	S	68.238	W	128	D	4.5	1.0	36	CHILE-BOLIVIA BORDER REGION
08	21	21	09.1*	49.384	S	121.648	E	10	G	4.6	1.3	12	SOUTH OF AUSTRALIA
08	21	28	32.3*	42.608	N	17.939	E	10	G		1.0	31	ADRIATIC SEA
08	22	07	33.0&	62.755	N	149.494	W	68				28	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
08	22	07	55.0	38.870	N	21.536	E	33	N	3.9	0.9	34	GREECE
08	22	14	02.7&	51.007	N	161.478	E	33	N		0.9	9	OFF EAST COAST OF KAMCHATKA
08	22	41	05.2&	63.500	N	151.025	W	4				29	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.1 (PMR).
08	23	00	05.8	48.367	N	153.226	E	160	D	4.4	0.9	66	KURIL ISLANDS
08	23	12	21.9&	46.651	N	6.431	E	5	G		0.2	5	SWITZERLAND. ML 2.2 (LDG).
08	23	29	02.7*	11.748	N	43.263	E	10	G	5.1 4.9	1.2	74	ETHIOPIA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:29:09.0; Lat 11.90 N; Lon 43.64 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.24, Plg=10, Azm=22; (N) Val=0.03, Plg=36, Azm=119; (P) Val=-1.27, Plg=53, Azm=279; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=77, Dip=47, Slip=-143; NP2: Strike=320, Dip=64, Slip=-50.
08	23	46	46.4*	16.845	S	173.638	W	33	N	4.7	0.6	24	TONGA ISLANDS
09	00	05	02.8	46.618	N	6.366	E	5	G		1.1	13	SWITZERLAND. ML 2.5 (STR), 2.3 (LDG).
09	00	26	04.8*	5.653	S	148.921	E	182	*	4.5	0.7	16	NEW BRITAIN REGION, P.N.G.
09	00	35	46.0	44.346	N	10.084	E	10	G		0.8	50	NORTHERN ITALY. ML 3.1 (STR), 2.8 (GEN), 2.8 (LDG).
09	00	37	36.7?	13.44	S	170.38	E	500	G	4.1	1.1	8	VANUATU ISLANDS REGION
09	01	24	09.4*	0.241	N	122.146	E	172	?	4.8	1.1	22	MINAHASSA PENINSULA, SULAWESI
09	01	32	11.5*	11.819	N	43.356	E	10	G	4.2	1.3	10	ETHIOPIA
09	01	45	18.4	37.363	S	75.477	W	33	N	4.5	0.7	22	OFF COAST OF CENTRAL CHILE
09	02	02	01.6*	11.962	N	43.414	E	10	G	4.2	0.9	14	ETHIOPIA
09	02	05	32.9?	22.12	S	170.81	E	33	N	4.3	1.3	9	LOYALTY ISLANDS REGION
09	02	36	34.7&	53.477	N	165.356	W	23				9	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.9 (AEIC).
09	03	19	33.9?	17.28	S	71.47	W	116	?	3.6	1.6	8	NEAR COAST OF PERU
09	03	37	29.7*	12.037	N	43.417	E	10	G	4.1	1.5	12	WESTERN ARABIAN PENINSULA
09	03	43	38.2*	40.816	N	73.206	E	33	N	3.6	1.3	10	KYRGYZSTAN
09	04	03	41.1?	46.13	N	12.27	E	10	G		0.2	5	NORTHERN ITALY. ML 2.0 (VIE).
09	04	13	09.6*	15.573	N	94.377	W	33	N	4.4	1.1	37	NEAR COAST OF OAXACA, MEXICO
09	04	16	31.2&	37.912	N	2.563	W	5	G		0.9	11	SPAIN. mbLg 2.6 (MDD).
09	04	30	38.8&	37.884	N	48.017	E	10	G		1.2	9	NORTHWESTERN IRAN
09	04	50	48.7	51.450	N	178.032	W	56	D	4.8	0.9	131	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR). Felt (III) on Adak.
09	05	27	32.6?	51.33	N	179.73	E	115	?	3.3	0.9	7	RAT ISLANDS, ALEUTIAN ISLANDS
09	05	59	28.7	46.616	N	6.536	E	5	G		1.0	18	SWITZERLAND. ML 2.7 (STR), 2.5 (LDG).
09	06	04	33.4&	46.623	N	6.472	E	5	G		1.1	6	SWITZERLAND. ML 1.7 (LDG).
09	06	07	46.3	29.663	N	68.104	E	33	N	4.3	1.0	37	PAKISTAN
09	06	11	49.7&	40.077	N	8.818	W	10	G		0.9	8	PORTUGAL. mbLg 3.1 (MDD).
09	06	46	44.5&	62.950	N	151.300	W	126				93	CENTRAL ALASKA. <AEIC>.
09	06	47	57.8*	29.240	N	68.685	E	33	N	4.4	1.3	18	PAKISTAN

09	07	33	01.5*	17.713	N	82.440	W	10	G	3.9	0.8	17	CARIBBEAN SEA
09	07	34	24.1*	25.984	S	178.863	W	400	G	4.6	1.0	23	SOUTH OF FIJI ISLANDS
09	08	16	34.3*	38.840	N	20.733	E	33	N		1.1	15	GREECE
09	08	37	19.1&	55.343	N	161.471	W	123				9	ALASKA PENINSULA. <AEIC>.
09	08	39	49.7?	29.81	N	67.79	E	33	N	3.3	1.0	7	PAKISTAN
09	09	04	38.6*	53.884	S	1.560	W	10	G	4.9	0.9	19	BOUVET ISLAND REGION
09	11	03	04.5	56.567	N	136.221	W	10	G		0.9	43	OFF COAST OF SOUTHEASTERN ALASKA. ML 3.7 (AEIC).
09	11	36	34.6	38.891	N	21.594	E	33	N	4.0	1.1	53	GREECE
09	11	37	02.0*	38.950	N	21.519	E	33	N	3.8	1.3	22	GREECE
09	11	43	43.2	29.815	S	71.147	W	33	N	5.5 5.7	1.0	157	NEAR COAST OF CENTRAL CHILE. Mw 6.2 (HRV), 6.1 (GS). Me 5.6 (GS). Some damage to houses and landslides occurred in the La Serena area. Felt at Santiago. Also felt (II) at Mendoza, Argentina. Broadband Source Parameters (GS): Dep 38; NP1: Strike=180, Dip=45, Slip=105; NP2: Strike=339, Dip=47, Slip=75; Radiated energy 6.2*10**12 Nm. Moment Tensor (GS): Dep 41; Principal axes (scale 10**18 Nm): (T) Val=1.70, Plg=81, Azm=165; (N) Val=0.14, Plg=8, Azm=7; (P) Val=-1.84, Plg=3, Azm=277; Best double couple: Mo=1.8*10**18 Nm; NP1: Strike=358, Dip=42, Slip=78; NP2: Strike=195, Dip=49, Slip=101. Centroid, Moment Tensor (HRV): Centroid origin time 11:43:51.8; Lat 29.91 S; Lon 71.52 W; Dep 43.0 Bdy; Half-duration 3.0 sec; Principal axes (scale 10**18 Nm): (T) Val=2.06, Plg=78, Azm=111; (N) Val=0.05, Plg=2, Azm=10; (P) Val=-2.10, Plg=11, Azm=279; Best double couple: Mo=2.1*10**18 Nm; NP1: Strike=6, Dip=34, Slip=86; NP2: Strike=191, Dip=57, Slip=93. Scalar Moment (PPT): Mo=1.8*10**18 Nm.
09	11	44	44.4*	38.876	N	21.435	E	33	N	3.3	1.3	20	GREECE
09	12	07	33.1	35.563	N	140.024	E	63	*	4.8	1.1	48	NEAR EAST COAST OF HONSHU, JAPAN
09	12	48	36.8*	7.682	N	82.487	W	10	G	4.4	1.3	33	SOUTH OF PANAMA
09	13	06	18.0?	29.41	S	71.09	W	33	N	4.3	0.7	4	NEAR COAST OF CENTRAL CHILE
09	13	06	42.4*	22.913	N	142.937	E	91	?	3.8	1.2	18	VOLCANO ISLANDS REGION
09	13	28	41.7*	10.582	N	85.996	W	33	N	4.7	1.4	27	COSTA RICA
09	13	34	12.9*	11.970	N	43.403	E	10	G	4.6	1.1	17	ETHIOPIA
09	13	43	19.3?	11.24	N	85.43	W	33	N	3.7	1.3	12	NICARAGUA
09	14	33	22.5	66.539	N	135.873	W	10	G	4.7	0.9	101	NORTHERN YUKON TERRITORY, CANADA. ML 4.8 (PGC).
09	14	39	04.0*	29.734	N	51.300	E	33	N	4.5	1.1	28	SOUTHERN IRAN
09	14	50	50.5*	29.736	S	178.760	W	200	G	4.6	1.2	26	KERMADEC ISLANDS, NEW ZEALAND
09	14	53	50.2	51.811	N	177.249	W	64		4.2	0.7	36	ANDREANOF ISLANDS, ALEUTIAN IS.
09	15	46	56.9&	34.801	N	139.268	E	10	G		0.7	7	NEAR S. COAST OF HONSHU, JAPAN
09	16	12	41.6&	63.395	N	151.564	W	6				71	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.4 (PMR).
09	16	44	18.9	38.825	N	21.469	E	33	N	3.6	1.0	26	GREECE
09	17	21	53.4*	21.502	N	144.988	E	33	N	3.8	0.7	9	MARIANA ISLANDS REGION
09	17	26	01.7?	11.87	N	43.36	E	10	G	3.8	1.2	10	ETHIOPIA
09	17	31	35.7?	11.03	N	43.53	E	10	G	3.7	1.3	7	ETHIOPIA
09	17	40	18.3	11.696	N	43.550	E	10	G	4.8 5.0	1.3	66	ETHIOPIA. Mw 5.5 (HRV). Felt in Djibouti. Centroid, Moment Tensor (HRV): Centroid origin time 17:40:23.4; Lat 12.04 N; Lon 43.75 E; Dep 15.0 Bdy; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.83, Plg=7, Azm=184; (N) Val=-1.28, Plg=51, Azm=85; (P) Val=-1.56, Plg=38, Azm=280; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=315, Dip=58, Slip=-24; NP2: Strike=58, Dip=70, Slip=-146.
09	17	41	45.0*	11.687	N	43.412	E	10	G	4.7	1.1	29	ETHIOPIA
09	17	46	39.7?	6.49	S	144.41	E	33	N	3.7	0.9	7	NEW GUINEA, PAPUA NEW GUINEA
09	17	53	17.4?	11.93	N	43.31	E	10	G		1.1	6	ETHIOPIA
09	18	01	10.3?	11.26	N	43.49	E	10	G	4.2	1.4	5	ETHIOPIA
09	18	34	45.2*	34.897	N	139.227	E	10	G	3.1	0.9	7	NEAR S. COAST OF HONSHU, JAPAN
09	18	50	05.6*	29.859	N	68.053	E	33	N	3.9	1.4	16	PAKISTAN. Felt at Sibi.
09	18	51	43.3	21.513	S	69.669	W	49	D	4.5	1.0	24	NORTHERN CHILE
09	18	53	29.7?	44.31	N	7.22	E	10	G		0.2	4	NORTHERN ITALY. ML 1.2 (GEN).
09	18	54	03.4&	44.354	N	7.328	E	10	G		0.4	9	NORTHERN ITALY. ML 2.0 (GEN).
09	18	54	10.2	44.376	N	7.353	E	10	G		0.4	14	NORTHERN ITALY. ML 2.1 (GEN), 1.9 (LDG).
09	18	56	04.1&	44.335	N	7.270	E	10	G		0.5	7	NORTHERN ITALY. ML 1.6 (GEN).
09	18	56	25.3&	45.986	N	6.439	E	5	G		0.3	5	FRANCE. ML 2.3 (LDG).
09	18	56	45.7&	44.340	N	7.294	E	10	G		0.0	4	NORTHERN ITALY. ML 1.4 (GEN).
09	19	07	07.8	44.372	N	7.338	E	10	G		0.6	32	NORTHERN ITALY. ML 2.6 (GEN), 2.2 (LDG), 2.0 (STR).
09	19	09	29.7	11.579	N	43.314	E	10	G	4.9	1.3	53	ETHIOPIA
09	19	42	49.1?	55.67	S	27.73	W	33	N	4.8	0.8	9	SOUTH SANDWICH ISLANDS REGION
09	21	25	34.5?	36.51	N	11.08	W	10	G		0.7	18	NORTH ATLANTIC OCEAN. MD 3.4 (MDD).
09	21	29	37.9	8.016	N	93.762	E	111	D	4.4	0.9	45	NICOBAR ISLANDS, INDIA
09	21	38	47.2	4.580	S	140.518	E	100	G	4.8	0.9	17	IRIAN JAYA, INDONESIA
09	21	49	05.0?	8.64	S	118.71	E	33	N	3.9	1.1	6	SUMBAWA REGION, INDONESIA
09	21	56	00.7	0.663	S	127.417	E	33	N	5.1	1.3	47	HALMAHERA, INDONESIA
10	01	49	28.3?	40.59	N	27.54	E	10	G		0.8	5	TURKEY. MD 2.8 (ISK).
10	02	10	56.7&	40.880	N	123.823	W	25				8	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK). Felt at Indianola and Trinidad.
10	02	13	43.3	45.695	N	150.092	E	140	D	4.4	0.9	76	KURIL ISLANDS
10	03	12	22.4*	29.193	N	103.088	E	10	G	4.5	1.2	20	SICHUAN, CHINA
10	03	28	06.7	44.752	N	6.640	E	10	G		0.9	11	FRANCE. ML 1.7 (STR).
10	03	53	00.3	29.681	S	71.144	W	33	N	5.2 5.1	1.0	110	NEAR COAST OF CENTRAL CHILE. Mw 5.6 (HRV). Some damage to older buildings at Coquimbo. Felt strongly at La Serena. Landslides occurred near La Serena. Felt (II) at Santiago. Centroid, Moment Tensor (HRV): Centroid origin time 03:53:08.3; Lat 30.11 S; Lon 71.58 W; Dep 49.6; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=3.67, Plg=83, Azm=75; (N) Val=-0.64, Plg=3, Azm=186; (P) Val=-3.03, Plg=7, Azm=277; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=10, Dip=38, Slip=94; NP2: Strike=184, Dip=52, Slip=87.
10	05	01	40.5&	33.232	S	70.425	W	100	G		0.4	7	CHILE-ARGENTINA BORDER REGION

10	05	56	22.1	4.044	N	126.852	E	50	G	4.0	0.6	17	TALAUD ISLANDS, INDONESIA
10	06	08	44.9*	29.591	N	68.151	E	33	N	4.6	1.3	25	PAKISTAN
10	07	33	34.2*	11.732	N	43.285	E	10	G	4.4	0.9	14	ETHIOPIA
10	07	33	44.1	24.184	N	122.360	E	84	D	4.7	0.9	30	TAIWAN REGION
10	08	34	30.9	18.930	N	104.663	W	33	N	4.3	1.0	50	NEAR COAST OF JALISCO, MEXICO
10	08	50	09.1?	11.88	N	43.54	E	10	G	4.3	1.5	8	ETHIOPIA
10	09	30	14.1?	34.72	S	70.37	W	130	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
10	09	40	39.8?	12.19	N	43.60	E	10	G	4.3	1.6	5	WESTERN ARABIAN PENINSULA
10	09	56	36.6*	1.788	S	136.539	E	33	N	4.4	1.5	14	IRIAN JAYA REGION, INDONESIA
10	11	16	56.9?	31.75	S	69.95	W	150	G		0.3	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.4 (SAN).
10	12	21	10.8*	35.012	N	139.163	E	10	G	3.1	0.8	8	NEAR S. COAST OF HONSHU, JAPAN
10	12	42	00.9&	33.016	S	70.419	W	100	G		0.2	10	CHILE-ARGENTINA BORDER REGION
10	13	22	20.2*	20.004	S	178.418	W	600	G	4.1	0.8	30	FIJI ISLANDS REGION
10	13	24	06.5*	39.604	N	77.100	E	50	G	3.9	1.0	10	SOUTHERN XINJIANG, CHINA
10	13	28	38.6*	54.574	N	88.800	E	10	G	3.5	1.0	8	SOUTHWESTERN SIBERIA, RUSSIA
10	14	03	01.3?	9.58	S	66.82	E	10	G	4.2	0.8	7	MID-INDIAN RIDGE
10	14	07	06.1*	36.742	S	177.663	E	33	N	4.6	1.3	17	OFF E. COAST OF N. ISLAND, N.Z.
10	14	11	35.9	38.774	N	21.613	E	33	N	3.5	1.2	24	GREECE
10	14	17	44.9	5.223	N	72.805	W	33	N	4.9 4.8	0.9	117	COLOMBIA. Felt at Bogota, Bucaramanga, Sogamoso and Tunja.
10	14	18	27.6	47.795	N	7.797	E	10	G		0.3	10	SWITZERLAND. ML 2.0 (STR).
10	14	41	35.5*	1.755	S	12.238	W	10	G	4.9	0.9	12	NORTH OF ASCENSION ISLAND
10	14	42	05.1*	24.023	N	122.348	E	100	G	3.9	0.8	13	TAIWAN REGION
10	15	06	47.5*	26.230	N	62.880	E	33	N	4.9	1.3	13	SOUTHWESTERN PAKISTAN
10	17	18	40.1	3.624	S	140.191	E	33	N	4.6	1.3	16	IRIAN JAYA, INDONESIA
10	17	50	36.9	27.382	N	92.710	E	33	N	4.4	1.1	33	EASTERN XIZANG-INDIA BORDER REG.
10	17	55	14.4*	27.217	N	92.417	E	33	N	4.5	1.4	38	EASTERN XIZANG-INDIA BORDER REG.
10	18	44	35.3&	62.504	N	151.240	W	87				20	CENTRAL ALASKA. <AEIC>.
10	22	48	56.5?	6.96	S	129.48	E	100	G	4.2	1.4	9	BANDA SEA
10	22	49	41.3?	30.26	N	68.00	E	33	N		1.5	10	PAKISTAN
10	23	05	03.7&	60.317	N	151.980	W	83				78	KENAI PENINSULA, ALASKA. <AEIC>.
11	00	00	59.2	12.508	N	143.624	E	18		4.8 4.5	1.0	37	SOUTH OF MARIANA ISLANDS
11	00	12	16.4&	37.083	N	3.592	W	10	G		0.3	5	SPAIN. mbLg 2.3 (MDD).
11	00	15	48.2*	29.721	N	68.200	E	33	N		0.7	12	PAKISTAN
11	03	13	59.4	21.134	S	178.863	W	553	D	5.2	0.9	319	FIJI ISLANDS REGION. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:14:04.3; Lat 20.99 S; Lon 178.69 W; Dep 556.8; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.40, Plg=15, Azm=190; (N) Val=0.65, Plg=19, Azm=95; (P) Val=-4.05, Plg=65, Azm=317; Best double couple: Mo=3.7*10**17 Nm; NP1: Strike=305, Dip=34, Slip=-55; NP2: Strike=85, Dip=63, Slip=-111.
11	03	35	24.9*	42.863	N	0.164	E	5	G		0.6	5	PYRENEES. ML 2.1 (LDG).
11	04	02	15.2	44.506	N	7.344	E	10	G		0.9	28	NORTHERN ITALY. ML 2.5 (GEN), 1.9 (LDG).
11	04	56	21.4	46.174	N	7.742	E	10	G		0.8	21	SWITZERLAND. ML 2.7 (STR), 2.4 (LDG).
11	05	25	57.7	31.078	S	177.732	W	10	G	5.6 6.2	1.0	203	KERMADEC ISLANDS REGION. Mw 6.1 (GS), 6.1 (HRV). Moment Tensor (GS): Dep 12; Principal axes (scale 10**18 Nm): (T) Val=1.44, Plg=48, Azm=290; (N) Val=-0.01, Plg=11, Azm=188; (P) Val=-1.43, Plg=40, Azm=89; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=120, Dip=11, Slip=21; NP2: Strike=9, Dip=86, Slip=101. Centroid, Moment Tensor (HRV): Centroid origin time 05:26:05.1; Lat 31.12 S; Lon 177.19 W; Dep 15.0 Bdy; Half-duration 2.8 sec; Principal axes (scale 10**18 Nm): (T) Val=1.39, Plg=61, Azm=274; (N) Val=0.10, Plg=3, Azm=10; (P) Val=-1.49, Plg=29, Azm=102; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=202, Dip=17, Slip=102; NP2: Strike=9, Dip=74, Slip=86. Scalar Moment (PPT): Mo=1.8*10**18 Nm.
11	06	28	44.5?	12.08	N	43.51	E	10	G		1.1	7	WESTERN ARABIAN PENINSULA
11	06	30	16.3&	37.712	N	122.567	W	5				19	CENTRAL CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.6 (BRK), 3.6 (GS). Felt throughout the San Francisco Bay area from Marin County to Monterey including Corte Madera, Daly City, Larkspur, Little Hollywood, Noe Valley, Oakland, Salinas, San Jose, San Rafael, South San Francisco, Terra Linda and Twin Cities.
11	06	33	53.4&	37.714	N	122.567	W	5				20	CENTRAL CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.6 (BRK). Felt throughout the San Francisco Bay area from Marin County to Monterey including Corte Madera, Daly City, Larkspur, Little Hollywood, Noe Valley, Oakland, Salinas, San Jose, San Rafael, South San Francisco, Terra Linda and Twin Cities.
11	06	39	34.2	5.905	N	126.849	E	100	G	5.1	1.0	69	MINDANAO, PHILIPPINE ISLANDS
11	07	03	41.4&	37.372	N	118.581	W	10				15	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK), 3.0 (GS).
11	07	17	03.2*	32.390	N	142.519	E	33	N	4.4	1.3	20	SOUTH OF HONSHU, JAPAN
11	07	39	17.8	51.915	N	159.322	E	33	N	5.3 5.0	0.9	255	OFF EAST COAST OF KAMCHATKA. Felt (III) at Petropavlovsk-Kamchatskiy.
11	08	01	04.3&	33.107	S	70.297	W	100	G		0.3	10	CHILE-ARGENTINA BORDER REGION
11	09	46	30.2	35.648	N	95.909	E	33	N	3.5	1.0	20	QINGHAI, CHINA
11	10	23	37.6	21.821	N	144.035	E	200	G		1.1	9	MARIANA ISLANDS REGION
11	10	47	58.6?	30.03	N	66.99	E	33	N	3.7	1.2	6	PAKISTAN
11	10	55	59.8	81.429	N	4.440	W	10	G	3.9	1.4	14	NORTH OF SVALBARD
11	12	48	31.6*	51.719	N	16.155	E	5	G		1.4	7	POLAND. MG 2.8 (WAR).
11	13	03	11.3?	32.40	S	71.79	W	10	G		0.3	9	NEAR COAST OF CENTRAL CHILE
11	13	09	47.7&	44.399	N	7.295	E	10	G		0.5	11	NORTHERN ITALY. ML 2.1 (GEN).
11	13	19	28.5*	51.703	N	175.087	W	33	N	4.1	1.3	19	ANDREANOF ISLANDS, ALEUTIAN IS.
11	13	30	30.9	34.720	N	97.499	W	5	G		0.4	8	OKLAHOMA. mbLg 2.5 (GS). Felt in the area 5 to 10 km south of Maysville.
11	13	49	18.3&	35.679	N	140.581	E	33	N		0.9	5	NEAR EAST COAST OF HONSHU, JAPAN
11	13	51	33.6&	35.720	N	140.564	E	33	N		1.1	5	NEAR EAST COAST OF HONSHU, JAPAN
11	14	02	46.4&	44.388	N	7.348	E	10	G		0.5	12	NORTHERN ITALY. ML 2.4 (GEN).
11	14	17	47.5	25.090	N	126.645	E	43	D	4.9 4.0	0.9	45	RYUKYU ISLANDS
11	14	34	34.3*	11.691	N	125.360	E	33	N	3.7	0.9	12	SAMAR, PHILIPPINE ISLANDS

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11  15 45 35.9* 16.485 S   69.535 W  200 G  4.3        1.3   14  PERU-BOLIVIA BORDER REGION
11  16 38 59.2? 20.34  S  178.01  W  300 G  3.6        0.4   11  FIJI ISLANDS REGION
11  16 50 46.0* 16.510 N   98.347 W   33 N  4.2        1.3   35  NEAR COAST OF GUERRERO, MEXICO
11  16 53 20.8* 15.130 N  122.815 E   33 N  3.8        1.3   13  PHILIPPINE ISLANDS REGION
11  17 35 38.9*  3.391 S  135.242 E   33 N  4.4        1.4   12  IRIAN JAYA REGION, INDONESIA
11  17 55 18.6* 23.997 S   66.916 W  200 G  4.2        1.1   21  JUJUY PROVINCE, ARGENTINA
11  18 17 15.8? 37.13  N    3.60  W   10 G              0.4    4  SPAIN. mbLg 2.1 (MDD).
11  18 38 15.9  18.167 S  176.717 W  352 D  5.0        1.0  100  FIJI ISLANDS REGION
11  19 13 15.4  51.688 N   16.120 E    5 G              1.1   21  POLAND. ML 4.0 (GRF), 3.7 (FUR), 3.5 (VIE).
11  19 19 57.4* 21.963 S  179.425 W  600 G  5.0        1.0   22  FIJI ISLANDS REGION
11  19 21 23.0   8.134 N  126.345 E   88 D  5.7        1.0  221  MINDANAO, PHILIPPINE ISLANDS
11  19 22 00.1   7.742 N  127.647 E   10 G  6.3 6.7    1.2  210  PHILIPPINE ISLANDS REGION. Mw 6.9 (GS), 6.9 (HRV). Me 7.2
                                                                  (GS). Ms 6.7 (BRK). Some damage to buildings in the Cagayan
                                                                  de Oro area. Felt (V RF) at Bislig, (IV RF) at Cagayan de
                                                                  Oro and Davao, (III RF) at Surigao and (II RF) at General
                                                                  Santos.
                                                                 Broadband Source Parameters (GS): NP1: Strike=205, Dip=72,
                                                                  Slip=-35; NP2: Strike=307, Dip=57, Slip=-158; Radiated
                                                                  energy 1.4*10**15 Nm. Complex event.
                                                                 Moment Tensor (GS): Dep 5; Principal axes (scale 10**19 Nm):
                                                                  (T) Val=2.30, Plg=32, Azm=276; (N) Val=0.11, Plg=5, Azm=9;
                                                                  (P) Val=-2.40, Plg=57, Azm=107; Best double couple:
                                                                  Mo=2.3*10**19 Nm; NP1: Strike=348, Dip=14, Slip=-112; NP2:
                                                                  Strike=190, Dip=77, Slip=-85.
                                                                 Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  19:22:10.2; Lat 7.64 N; Lon 127.63 E; Dep 15.0 Fix; Half-
                                                                  duration 6.5 sec; Principal axes (scale 10**19 Nm): (T)
                                                                  Val=2.28, Plg=7, Azm=263; (N) Val=-0.09, Plg=2, Azm=353;
                                                                  (P) Val=-2.19, Plg=83, Azm=97; Best double couple:
                                                                  Mo=2.2*10**19 Nm; NP1: Strike=351, Dip=38, Slip=-93; NP2:
                                                                  Strike=174, Dip=52, Slip=-88.
                                                                 Scalar Moment (PPT): Mo=6.7*10**19 Nm.
11  20 01 36.5& 60.020 N  141.257 W    6                      15  SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC).
11  20 10 32.8* 56.294 S   25.566 W   33 N  4.8        0.6    6  SOUTH SANDWICH ISLANDS REGION
11  20 11 10.5*  8.876 N  125.966 E  150 G              1.1   11  MINDANAO, PHILIPPINE ISLANDS
11  20 57 35.0  44.099 N   10.226 E   10 G              1.0   21  NORTHERN ITALY. ML 2.5 (LDG), 2.4 (VIE), 2.1 (GEN).
11  22 43 46.5? 31.27  S  177.54  W   33 N  4.3        1.0   10  KERMADEC ISLANDS REGION
12  00 11 26.2? 52.93  S  140.30  E   10 G  4.3        0.8   10  WEST OF MACQUARIE ISLAND
12  00 15 58.6* 53.085 S  141.053 E   10 G  4.8        1.2   41  WEST OF MACQUARIE ISLAND
12  00 43 17.0? 10.01  N  126.21  E   33 N              1.0    6  PHILIPPINE ISLANDS REGION
12  00 53 23.1? 36.47  N   70.81  E  210 ?              0.9    6  HINDU KUSH REGION, AFGHANISTAN
12  01 12 46.9? 29.64  N   68.41  E   33 N              0.8    6  PAKISTAN
12  01 32 54.6? 32.29  S   70.08  W  120 G              0.4   10  CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
12  01 55 00.9* 23.452 S  175.510 W   33 N  5.0 4.9    1.1   31  TONGA ISLANDS REGION
12  04 13 04.9& 44.264 N    7.468 E    5 G              0.2    9  NORTHERN ITALY. ML 2.1 (GEN).
12  05 49 46.3*  3.265 S  135.154 E   33 N  4.9        1.4   32  IRIAN JAYA REGION, INDONESIA
12  05 50 04.0& 60.108 N  152.489 W   97                     38  SOUTHERN ALASKA. <AEIC>.
12  06 18 14.0* 29.645 N  142.042 E   33 N  4.2        1.3   18  SOUTH OF HONSHU, JAPAN
12  06 26 44.8& 63.353 N  145.257 W    4                     27  CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
12  06 40 49.2? 40.02  N   28.06  E   10 G              0.0    4  TURKEY. MD 2.9 (ISK).
12  07 00 28.5& 47.087 N    0.472 W    5 G              0.9    6  FRANCE. ML 2.3 (LDG).
12  07 24 39.0? 34.36  S   72.16  W    5 G              0.4   10  NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
12  07 57 01.2? 20.45  S  178.86  W  500 G  3.7        0.5    9  FIJI ISLANDS REGION
12  08 32 00.2? 37.94  N   56.73  E   33 N              1.3    8  NORTHERN IRAN
12  09 13 37.1* 50.723 N  170.707 W   33 N              1.2   11  SOUTH OF ALEUTIAN ISLANDS. ML 4.5 (PMR).
12  09 18 21.7* 53.072 N  167.467 W   33 N  4.4        0.4   11  FOX ISLANDS, ALEUTIAN ISLANDS
12  09 22 24.7*  5.344 S  147.404 E  150 G  4.9        1.3   27  EASTERN NEW GUINEA REG., P.N.G.
12  11 00 45.9& 37.295 N  139.571 E   10 G              1.5    5  EASTERN HONSHU, JAPAN
12  11 08 43.2? 55.21  N  160.18  E  100 G              1.0    5  KAMCHATKA
12  11 18 24.8& 60.248 N  151.819 W   73                     28  KENAI PENINSULA, ALASKA. <AEIC>.
12  11 27 50.5  17.724 N  145.935 E  138 *  4.7        1.0   48  MARIANA ISLANDS
12  11 36 33.0* 42.367 N  125.514 W   10 G              0.4   13  OFF COAST OF OREGON
12  11 38 06.5* 22.535 S   66.039 W  244 *  4.6        0.9   30  JUJUY PROVINCE, ARGENTINA
12  12 01 23.5? 34.36  S   71.80  W   50 G              0.2    7  NEAR COAST OF CENTRAL CHILE
12  12 08 14.8  29.758 S   71.294 W   60 D  4.5        0.7   39  NEAR COAST OF CENTRAL CHILE
12  12 32 22.9& 57.524 N  156.165 W   75    2.3              30  ALASKA PENINSULA. <AEIC>.
12  13 08 13.9? 32.50  S   71.81  W   20 G              0.5   11  NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
12  13 24 05.3*  7.542 N  126.994 E   81 ?  3.7        0.9   16  MINDANAO, PHILIPPINE ISLANDS
12  13 50 06.6* 22.421 S   67.314 W  172 *  4.1        0.9   18  CHILE-BOLIVIA BORDER REGION
12  13 58 04.9&  8.464 N  126.442 E   33 N              0.9    6  MINDANAO, PHILIPPINE ISLANDS
12  14 51 49.2  13.445 N  120.991 E   33 N  5.2 5.0    1.1   93  MINDORO, PHILIPPINE ISLANDS. Mw 5.4 (HRV).
                                                                 Centroid, Moment Tensor (HRV): Centroid origin time
                                                                  14:51:48.6; Lat 13.55 N; Lon 120.97 E; Dep 15.1; Half-
                                                                  duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                                  Val=1.66, Plg=21, Azm=296; (N) Val=-0.23, Plg=30, Azm=39;
                                                                  (P) Val=-1.43, Plg=52, Azm=177; Best double couple:
                                                                  Mo=1.5*10**17 Nm; NP1: Strike=346, Dip=36, Slip=-148; NP2:
                                                                  Strike=229, Dip=72, Slip=-58.
12  15 30 26.9* 36.218 S  179.451 E   60 D  5.0        1.3   32  OFF E. COAST OF N. ISLAND, N.Z.
12  17 09 25.7  27.481 N  130.415 E   33 N  3.7        0.8   15  RYUKYU ISLANDS
12  18 01 59.7* 13.230 N   89.060 W   72                1.2   30  EL SALVADOR. MD 3.9 (SSS). Felt (II) at San Salvador.
12  18 29 37.6  62.891 N  170.741 W   10 G  4.6        1.0   83  BERING SEA. Felt at Gambell, Alaska.
12  18 45 49.3& 33.225 S   70.354 W    5 G              0.3    7  CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
12  20 41 59.9& 60.045 N  153.204 W  128                     23  SOUTHERN ALASKA. <AEIC>.
12  22 07 27.5& 63.504 N  150.997 W    6                     40  CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 3.0 (PMR).
12  22 12 21.7& 60.284 N  152.246 W   76                     65  SOUTHERN ALASKA. <AEIC>.
12  22 12 48.6& 34.233 S   70.082 W    5 G              0.3   10  CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
12  22 54 27.6* 31.361 S  178.031 W  150 G  4.9        1.3   29  KERMADEC ISLANDS REGION
12  23 26 49.1? 44.83  N    7.19  E    5 G              0.1    4  NORTHERN ITALY. ML 1.4 (GEN).
12  23 27 25.4& 61.132 N  150.218 W   20                     63  SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
13  00 06 48.9* 31.149 S  177.637 W   33 N  4.9        0.9   21  KERMADEC ISLANDS REGION
13  00 16 52.6? 32.44  S  176.46  W   33 N  4.5        1.3   12  SOUTH OF KERMADEC ISLANDS
13  00 29 26.5& 38.359 N   27.804 E   10 G              1.1    7  TURKEY. MD 3.2 (ISK).
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13	00	31	04.3?	30.57	S	177.65	W	33	N	4.2		0.7	8	KERMADEC ISLANDS, NEW ZEALAND
13	00	33	21.5*	5.038	N	95.462	E	90	D	4.7		1.3	39	NORTHERN SUMATERA, INDONESIA. Felt at Banda Aceh.
13	01	12	11.0	42.792	N	142.962	E	130	D	4.7		0.8	135	HOKKAIDO, JAPAN REGION
13	01	12	50.7?	32.25	S	177.45	W	33	N	4.5		1.5	14	SOUTH OF KERMADEC ISLANDS
13	01	24	10.2?	29.63	S	178.10	W	33	N	4.3		0.8	7	KERMADEC ISLANDS, NEW ZEALAND
13	01	25	56.8*	29.806	N	67.928	E	33	N	3.8		1.1	14	PAKISTAN
13	01	42	01.4*	29.983	N	68.111	E	33	N	3.6		0.9	9	PAKISTAN
13	01	53	27.3	29.961	N	68.147	E	33	N	4.0		0.9	21	PAKISTAN
13	02	22	07.5*	46.863	N	150.319	E	250	G	3.9		0.5	10	KURIL ISLANDS
13	02	33	16.9?	18.48	N	104.47	W	33	N	3.9		0.9	9	NEAR COAST OF JALISCO, MEXICO
13	02	46	42.4?	5.52	S	154.21	E	250	G	3.7		1.5	11	SOLOMON ISLANDS
13	02	55	25.5	51.393	N	176.905	W	33	N	4.4		1.2	50	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
13	02	59	40.4	39.989	N	39.949	E	10	G	4.3		1.2	35	TURKEY. MD 4.2 (ISK).
13	03	02	47.3*	31.174	N	88.958	E	33	N			0.9	9	XIZANG
13	03	24	29.0&	36.772	N	121.476	W	5					11	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).
13	03	28	34.6*	36.318	N	70.126	E	243	*	3.9		0.6	14	HINDU KUSH REGION, AFGHANISTAN
13	04	01	57.3?	51.27	N	15.86	E	5	G			0.3	5	POLAND
13	05	48	42.2?	51.39	N	174.35	W	150	G	3.0		1.2	5	ANDREANOF ISLANDS, ALEUTIAN IS.
13	05	49	24.7&	36.967	N	2.648	W	10	G			0.6	7	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
13	05	56	46.1	4.340	S	143.815	E	78	D	4.1		0.7	15	NEW GUINEA, PAPUA NEW GUINEA
13	06	06	16.5	58.667	S	25.140	W	33	N	4.9	5.2	0.9	33	SOUTH SANDWICH ISLANDS REGION
13	06	27	58.0	36.468	S	97.671	W	10	G	4.9	5.0	1.0	62	WEST CHILE RISE. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:28:03.1; Lat 36.52 S; Lon 97.64 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.79, Plg=24, Azm=46; (N) Val=-0.49, Plg=60, Azm=188; (P) Val=-2.29, Plg=16, Azm=308; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=85, Dip=61, Slip=174; NP2: Strike=178, Dip=85, Slip=29.
13	06	55	13.3&	2.487	N	95.837	E	33	N			1.0	13	OFF W COAST OF NORTHERN SUMATERA
13	06	59	38.2	14.216	N	89.863	W	250	G	4.6		1.1	49	GUATEMALA
13	07	08	45.1*	27.390	S	70.821	W	33	N	4.6		1.1	17	NEAR COAST OF NORTHERN CHILE
13	07	08	51.0	45.076	N	6.928	E	5	G			0.9	35	FRANCE. ML 3.0 (GEN), 2.9 (STR).
13	07	27	29.0	5.130	S	144.673	E	100	G	4.4		1.0	30	NEW GUINEA, PAPUA NEW GUINEA
13	07	29	53.5?	34.44	S	72.11	W	20	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
13	08	28	06.8	6.639	S	129.621	E	100	G	4.7		1.1	32	BANDA SEA
13	09	28	14.6*	31.820	S	71.638	W	5	G			0.6	11	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
13	09	56	34.7&	36.846	N	2.969	W	10	G			0.1	5	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
13	10	49	00.3*	29.681	N	68.265	E	33	N	3.7		1.1	12	PAKISTAN
13	11	26	30.9&	59.393	N	152.648	W	91					62	SOUTHERN ALASKA. <AEIC>.
13	11	42	50.7?	36.78	N	3.84	W	10	G			0.6	4	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
13	11	51	21.7*	65.296	S	177.993	E	10	G	4.6		0.9	9	BALLENY ISLANDS REGION
13	12	10	14.0&	34.181	S	71.355	W	50	G			0.2	8	NEAR COAST OF CENTRAL CHILE
13	12	12	42.2*	13.489	N	121.117	E	33	N	3.9		0.9	13	MINDORO, PHILIPPINE ISLANDS
13	12	25	41.1?	21.14	S	179.10	W	600	G			1.0	10	FIJI ISLANDS REGION
13	12	49	42.3*	3.487	S	129.059	E	33	N	4.3		1.0	12	SERAM, INDONESIA
13	12	54	27.9?	33.60	S	72.27	W	40	G			0.5	10	OFF COAST OF CENTRAL CHILE. MD 3.6 (SAN).
13	12	59	52.9&	44.350	N	7.310	E	15	G			0.4	10	NORTHERN ITALY. ML 2.1 (GEN).
13	13	07	34.2	49.145	N	156.115	E	46	D	4.6		1.0	80	KURIL ISLANDS
13	13	22	26.4*	29.893	N	68.194	E	33	N	4.1		1.0	22	PAKISTAN
13	13	56	27.0*	36.771	N	31.023	E	10	G			0.6	11	TURKEY. MD 3.5 (ISK).
13	14	04	14.2	39.457	N	143.644	E	35	D	4.9		1.1	21	OFF EAST COAST OF HONSHU, JAPAN
13	14	23	35.1?	31.68	S	70.06	W	130	G			0.6	10	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
13	14	28	42.8?	23.05	S	170.65	E	33	N	4.1		1.1	11	LOYALTY ISLANDS REGION
13	14	38	30.7?	36.70	N	3.85	W	10	G			1.7	4	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
13	14	40	17.5*	43.367	N	147.761	E	43	D	4.5		1.3	24	KURIL ISLANDS
13	14	58	02.6*	38.782	N	21.748	E	30				0.9	14	GREECE
13	16	21	31.6&	59.369	N	153.459	W	127					56	SOUTHERN ALASKA. <AEIC>.
13	16	29	46.5&	30.499	N	132.982	E	33	N			0.5	8	SOUTHEAST OF SHIKOKU, JAPAN
13	16	49	07.1*	12.089	N	88.562	W	33	N			1.1	19	OFF COAST OF CENTRAL AMERICA. MD 3.8 (SSS). Felt (II) at San Salvador, El Salvador.
13	16	50	39.9&	34.552	S	70.350	W	5	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
13	16	55	00.4	46.510	N	153.395	E	33	N	4.8	4.5	1.0	83	KURIL ISLANDS
13	17	03	59.5*	46.405	N	153.566	E	33	N	4.2		1.1	26	KURIL ISLANDS
13	17	20	24.0&	60.314	N	151.478	W	49					69	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
13	17	37	36.5?	11.68	S	166.09	E	33	N	4.8		1.5	13	SANTA CRUZ ISLANDS
13	18	06	09.1	25.580	N	123.738	E	199		4.8		0.9	209	NORTHEAST OF TAIWAN
13	18	09	09.7*	4.319	N	62.622	E	10	G	4.6		0.7	18	CARLSBERG RIDGE
13	18	17	11.4*	53.485	N	153.588	E	550	G			0.8	15	SEA OF OKHOTSK
13	19	22	04.6?	32.63	S	71.54	W	25	G			0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
13	19	37	15.7?	15.07	S	172.11	W	33	N	3.8		1.2	9	SAMOA ISLANDS REGION
13	19	39	23.5&	30.037	N	131.460	E	33	N			1.0	6	KYUSHU, JAPAN
13	19	43	17.3*	2.873	N	96.306	E	33	N	4.3		1.0	11	NORTHERN SUMATERA, INDONESIA
13	20	01	40.5*	13.563	N	120.851	E	150	G	3.7		0.7	9	MINDORO, PHILIPPINE ISLANDS
13	20	26	17.7&	37.097	N	3.598	W	10	G			0.6	12	SPAIN. mbLg 2.9 (MDD).
13	20	29	40.1*	51.321	N	16.086	E	5	G			1.3	6	POLAND. MG 2.6 (WAR).
13	20	38	12.8	30.032	N	67.820	E	33	N	4.6	4.6	0.9	96	PAKISTAN. Felt at Harnai.
13	20	41	21.5	4.219	S	143.044	E	118	D	5.6		0.9	149	NEW GUINEA, PAPUA NEW GUINEA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:41:25.5; Lat 4.26 S; Lon 142.90 E; Dep 107.5; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.74, Plg=58, Azm=350; (N) Val=-0.37, Plg=8, Azm=92; (P) Val=-1.37, Plg=31, Azm=187; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=301, Dip=16, Slip=120; NP2: Strike=90, Dip=76, Slip=82.
13	21	14	07.1&	36.745	N	121.447	W	8					13	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM).
13	21	22	38.0&	44.166	N	7.571	E	5	G			0.1	6	NORTHERN ITALY. ML 1.9 (GEN).
13	21	34	44.3	12.600	N	89.066	W	59		4.7		1.0	55	OFF COAST OF CENTRAL AMERICA. MD 4.4 (SSS). Felt (II) at San Salvador, El Salvador.
13	23	42	42.6*	29.890	N	68.122	E	33	N	3.9		1.3	11	PAKISTAN
13	23	42	48.8*	12.589	N	89.181	W	62	*	4.6		0.9	32	OFF COAST OF CENTRAL AMERICA. MD 3.9 (SSS). Felt (II) at San Salvador, El Salvador.
13	23	48	58.4	51.701	N	16.120	E	5	G			0.9	26	POLAND. ML 4.1 (GRF), 3.8 (VIE), 3.7 (FUR).

14	00	32	47.9*	51.220	N	15.673	E	5	G		1.5	8	POLAND. ML 3.2 (GRF), 3.0 (VIE).
14	01	42	52.7	6.011	N	127.062	E	62	*	4.9	0.6	25	PHILIPPINE ISLANDS REGION
14	01	43	45.1&	44.361	N	7.343	E	10	G		0.2	5	NORTHERN ITALY. ML 1.7 (GEN).
14	02	29	35.2?	12.46	N	125.35	E	33	N	4.0	1.0	11	SAMAR, PHILIPPINE ISLANDS
14	02	32	15.4?	5.53	S	146.00	E	33	N	4.1	0.9	7	EASTERN NEW GUINEA REG., P.N.G.
14	03	31	30.6&	44.495	N	7.336	E	5	G		0.3	9	NORTHERN ITALY. ML 1.8 (GEN).
14	03	32	15.6?	31.78	S	70.12	W	140	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
14	04	02	28.6*	34.713	N	139.385	E	10	G		1.3	10	NEAR S. COAST OF HONSHU, JAPAN
14	04	59	50.1*	17.468	S	178.993	W	650	G	4.7	0.4	19	FIJI ISLANDS REGION
14	05	02	25.6?	32.96	S	72.09	W	15	G		0.3	10	OFF COAST OF CENTRAL CHILE. MD 3.6 (SAN).
14	05	17	29.9?	12.63	N	88.87	W	33	N	4.1	1.4	7	OFF COAST OF CENTRAL AMERICA
14	05	47	53.7*	79.624	N	6.625	E	10	G		1.5	7	SVALBARD REGION
14	05	58	04.6*	57.774	N	142.963	W	10	G		0.6	24	GULF OF ALASKA. ML 2.6 (AEIC).
14	06	21	07.4&	18.147	N	67.137	W	15	G		0.4	7	MONA PASSAGE. MD 2.7 (MPR).
14	06	24	48.8&	32.796	S	71.335	W	50	G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 2.8 (SAN).
14	06	53	57.6*	45.621	N	14.702	E	10	G		1.2	9	NORTHWESTERN BALKAN REGION. MD 3.4 (LJU). ML 2.9 (VIE). Felt at Grobnik, Croatia.
14	07	04	29.8&	38.052	N	28.766	E	10	G		0.3	5	TURKEY. MD 3.2 (ISK).
14	07	14	59.7?	12.51	N	89.03	W	33	N	4.0	1.1	6	OFF COAST OF CENTRAL AMERICA
14	08	39	02.0&	73.506	N	8.831	E	10	G		1.0	5	GREENLAND SEA
14	08	44	51.1?	39.16	N	27.49	E	10	G		1.0	4	TURKEY. MD 2.8 (ISK).
14	09	12	29.0?	32.61	S	71.80	W	20	G		0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
14	09	21	19.8	4.667	N	97.183	E	33	N	4.3	0.7	14	NORTHERN SUMATERA, INDONESIA
14	09	34	03.0&	58.838	N	152.411	W	49				27	KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
14	09	42	58.6	34.127	S	109.529	W	10	G	5.1 5.1	0.9	61	SOUTHERN EAST PACIFIC RISE. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:43:04.1; Lat 34.50 S; Lon 109.28 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.39, Plg=0, Azm=98; (N) Val=-0.14, Plg=90, Azm=180; (P) Val=-1.26, Plg=0, Azm=8; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=143, Dip=90, Slip=-180; NP2: Strike=233, Dip=90, Slip=0.
14	09	48	17.8	7.737	N	126.785	E	81	*	5.0	1.2	61	MINDANAO, PHILIPPINE ISLANDS
14	10	00	37.3?	10.62	N	126.93	E	33	N	3.9	0.4	6	PHILIPPINE ISLANDS REGION
14	10	25	27.2	43.746	N	6.955	E	10	G		0.5	22	NEAR SOUTH COAST OF FRANCE. ML 2.2 (STR).
14	10	47	12.6	32.197	S	71.362	W	73	D	4.2	1.1	33	NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN). Felt (IV) at Chincolco, La Ligua and Papudo; (III) at Quilpue, San Felipe, Santiago, Valparaiso, Villa Alemana, Vina del Mar and Zapallar. Also felt at Rancagua.
14	11	45	15.7	38.105	N	29.006	E	10	G	4.1	1.1	52	TURKEY. MD 4.0 (ISK). Felt in Denizli.
14	11	48	17.9	38.115	N	28.803	E	10	G	3.9	1.0	16	TURKEY. MD 3.9 (ISK). Felt in Denizli.
14	11	59	29.3&	38.073	N	29.178	E	10	G		1.0	6	TURKEY. MD 3.1 (ISK).
14	12	01	02.2&	38.006	N	28.817	E	10	G		0.8	6	TURKEY. MD 3.1 (ISK).
14	12	12	35.3	38.095	N	29.027	E	10	G		0.3	10	TURKEY. MD 3.6 (ISK). Felt in Denizli.
14	12	22	32.5?	2.36	S	139.69	E	33	N	3.5	1.1	5	NEAR NORTH COAST OF IRIAN JAYA
14	12	30	11.4*	4.385	S	102.034	E	33	N	4.7 4.3	1.2	40	SOUTHERN SUMATERA, INDONESIA
14	12	46	16.6?	31.01	S	177.78	W	100	G	4.5	0.9	11	KERMADEC ISLANDS REGION
14	12	46	52.5*	31.133	S	177.723	W	100	G	4.8	1.1	18	KERMADEC ISLANDS REGION
14	12	48	05.0?	4.44	S	146.49	E	33	N	3.7	1.0	7	EASTERN NEW GUINEA REG., P.N.G.
14	12	54	49.0?	34.26	S	70.11	W	10	G		0.2	6	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
14	12	55	37.2&	34.107	S	70.276	W	10	G		0.9	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
14	13	59	20.5&	38.047	N	28.789	E	10	G		0.5	5	TURKEY. MD 3.2 (ISK).
14	14	04	05.9&	34.168	S	70.183	W	10	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
14	14	08	49.0?	32.33	S	71.71	W	5	G		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
14	14	16	31.8&	34.218	S	70.139	W	10	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 4.2 (SAN).
14	14	49	07.4*	17.746	S	178.770	W	550	G	4.7	1.1	38	FIJI ISLANDS REGION
14	14	50	27.0&	34.220	S	70.161	W	10	G		0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
14	15	51	44.6?	37.93	N	29.24	E	10	G		1.1	9	TURKEY. MD 3.7 (ISK).
14	15	56	29.5&	44.277	N	7.557	E	5	G		0.3	7	NORTHERN ITALY. ML 2.4 (LDG).
14	15	57	32.3*	37.528	N	141.924	E	73	*		0.9	11	NEAR EAST COAST OF HONSHU, JAPAN
14	17	15	22.6*	47.020	S	32.893	E	10	G	4.3	1.1	19	PRINCE EDWARD ISLANDS REGION
14	17	18	32.0&	47.470	N	115.780	W	2				30	MONTANA. <BUT-P>. ML 3.6 (BUT). MD 3.4 (SEA). Felt in the epicentral area.
14	17	19	38.3*	10.195	N	121.628	E	33	N	4.4	0.3	8	PANAY, PHILIPPINE ISLANDS
14	17	26	53.0?	32.53	S	71.63	W	20	G		0.9	8	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
14	17	40	27.3*	51.281	N	179.859	E	57	D		0.5	8	RAT ISLANDS, ALEUTIAN ISLANDS
14	17	51	11.9*	18.387	S	177.927	W	550	G	4.5	1.1	23	FIJI ISLANDS REGION
14	18	27	03.7&	60.396	N	149.779	W	29				29	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
14	18	37	28.0?	17.73	S	178.06	W	550	G	3.7	0.7	9	FIJI ISLANDS REGION
14	18	38	12.8	25.288	S	2.703	E	10	G	5.3 4.4	0.7	169	SOUTH ATLANTIC OCEAN
14	18	43	01.0	37.026	N	118.339	W	10	G		0.8	7	CALIFORNIA-NEVADA BORDER REGION. MD 2.7 (GM).
14	19	28	15.2?	31.77	S	177.43	W	33	N	4.9	1.3	17	KERMADEC ISLANDS REGION
14	20	06	19.3*	37.986	N	28.774	E	10	G		0.4	6	TURKEY. MD 3.8 (ISK). Felt in Denizli.
14	20	13	00.3?	28.76	S	177.94	W	33	N		0.9	6	KERMADEC ISLANDS REGION
14	20	17	10.7?	5.93	N	124.61	E	33	N	4.3	0.7	7	MINDANAO, PHILIPPINE ISLANDS
14	20	23	50.9&	38.103	N	28.983	E	10	G		0.3	6	TURKEY. MD 3.5 (ISK).
14	20	47	50.2	44.108	N	10.001	E	5	G		0.6	29	NORTHERN ITALY. ML 2.8 (GEN), 2.4 (LDG).
14	21	04	10.4*	72.920	N	117.476	E	10	G		0.9	10	NORTHCENTRAL SIBERIA, RUSSIA
14	21	22	06.2&	33.104	S	70.957	W	70	G		0.8	5	CHILE-ARGENTINA BORDER REGION
14	21	33	07.2?	17.10	S	178.97	W	500	G	3.8	0.3	9	FIJI ISLANDS REGION
14	22	03	00.5*	7.379	N	127.449	E	53	D	4.7	1.0	22	PHILIPPINE ISLANDS REGION
14	22	34	12.1?	32.37	S	71.43	W	60	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 2.1 (SAN).
14	22	46	17.2?	31.33	S	69.41	W	150	G		0.6	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.2 (SAN).
14	23	19	32.2	38.060	N	29.016	E	10	G		0.8	29	TURKEY. MD 3.9 (ISK).
14	23	32	52.8&	62.975	N	151.068	W	116				37	CENTRAL ALASKA. <AEIC>.
15	00	50	59.9	23.329	S	175.555	W	33	N	4.8 5.3	1.2	56	TONGA ISLANDS REGION
15	00	56	58.5?	1.27	S	77.53	W	200	G	3.9	1.1	8	ECUADOR
15	01	34	06.1?	39.17	N	0.74	W	5	G		1.1	4	SPAIN. mbLg 2.7 (MDD).
15	02	17	16.1&	62.061	N	150.214	W	47				82	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 3.0 (PMR).
15	03	00	15.1*	32.800	S	70.548	W	33	N		0.7	8	CHILE-ARGENTINA BORDER REGION
15	03	46	49.2*	59.544	N	48.532	W	10	G	3.2	1.5	12	NORTH ATLANTIC OCEAN
15	04	16	00.0	45.059	N	6.921	E	5	G		0.9	17	FRANCE. ML 2.5 (GEN), 1.9 (LDG).
15	04	33	55.0?	39.60	N	28.74	E	10	G		0.3	4	TURKEY. MD 2.7 (ISK).

15	04	36	50.6*	57.966	S	25.414	W	33	N	4.6	1.3	15	SOUTH SANDWICH ISLANDS REGION
15	04	54	33.1	42.805	N	144.454	E	88	*	4.4	0.9	43	HOKKAIDO, JAPAN REGION
15	05	51	33.3*	59.849	S	149.902	E	10	G	5.0 5.7	1.2	31	WEST OF MACQUARIE ISLAND. Mw 5.9 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:51:40.5; Lat 59.91 S; Lon 149.99 E; Dep 15.0 Fix; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=9.17, Plg=1, Azm=26; (N) Val=0.03, Plg=88, Azm=151; (P) Val=-9.21, Plg=1, Azm=296; Best double couple: Mo=9.2*10**17 Nm; NP1: Strike=71, Dip=89, Slip=-180; NP2: Strike=341, Dip=90, Slip=-1.
15	06	59	00.7?	42.80	N	7.25	W	10	G		1.2	4	SPAIN. mbLg 2.9 (MDD).
15	08	31	46.2&	38.592	N	119.851	W	0				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
15	09	24	11.3	7.434	N	126.985	E	33	N	5.2 4.8	1.0	85	MINDANAO, PHILIPPINE ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:24:14.5; Lat 7.43 N Fix; Lon 126.99 E Fix; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.58, Plg=51, Azm=307; (N) Val=-0.33, Plg=10, Azm=203; (P) Val=-1.25, Plg=37, Azm=105; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=149, Dip=13, Slip=35; NP2: Strike=25, Dip=83, Slip=101.
15	09	57	21.6*	3.139	N	127.959	E	130	*	4.1	0.9	15	TALAUD ISLANDS, INDONESIA
15	10	37	35.8	15.738	N	93.048	W	96	D	4.5	0.8	38	NEAR COAST OF CHIAPAS, MEXICO
15	10	55	36.9?	37.79	N	27.30	E	5	G		0.7	5	TURKEY. MD 3.2 (ISK).
15	11	14	47.0	1.491	S	145.378	E	33	N	4.9	1.1	39	ADMIRALTY ISLANDS REGION, P.N.G.
15	11	17	34.5	1.447	S	145.445	E	33	N	5.0 5.4	1.1	49	ADMIRALTY ISLANDS REGION, P.N.G. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:17:38.8; Lat 1.22 S; Lon 145.54 E; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=5.69, Plg=34, Azm=277; (N) Val=-1.43, Plg=39, Azm=153; (P) Val=-4.27, Plg=32, Azm=32; Best double couple: Mo=5.0*10**17 Nm; NP1: Strike=66, Dip=39, Slip=2; NP2: Strike=334, Dip=89, Slip=129.
15	11	32	10.1*	1.413	S	145.497	E	33	N	4.8	1.0	12	ADMIRALTY ISLANDS REGION, P.N.G.
15	11	41	19.4*	1.305	S	144.785	E	33	N	4.3	0.6	6	NINIGO ISLANDS REGION, P.N.G.
15	12	11	17.4&	36.098	N	139.897	E	10	G		0.5	5	EASTERN HONSHU, JAPAN
15	12	16	57.9?	23.78	S	179.81	W	500	G	4.1	0.6	11	SOUTH OF FIJI ISLANDS
15	12	27	45.3*	1.412	S	145.335	E	33	N	4.3	1.0	14	ADMIRALTY ISLANDS REGION, P.N.G.
15	12	32	57.4*	1.364	S	145.508	E	33	N	4.5	0.7	9	ADMIRALTY ISLANDS REGION, P.N.G.
15	13	55	03.3*	15.054	N	147.050	E	33	N	4.3	1.1	21	MARIANA ISLANDS REGION
15	15	53	44.1	1.513	S	145.507	E	33	D	4.9	1.0	38	ADMIRALTY ISLANDS REGION, P.N.G.
15	16	14	49.6?	1.59	S	145.43	E	33	N	4.0	0.8	6	ADMIRALTY ISLANDS REGION, P.N.G.
15	16	27	04.8*	1.614	S	145.391	E	33	N	4.4	0.9	17	ADMIRALTY ISLANDS REGION, P.N.G.
15	16	57	39.8&	62.979	N	150.833	W	108				59	CENTRAL ALASKA. <AEIC>.
15	17	18	54.6	43.796	N	147.163	E	33	N	4.9	0.8	108	KURIL ISLANDS. Felt (IV) on Shikotan.
15	18	56	53.1	16.091	N	60.918	W	40	D	4.3	0.9	38	LEEWARD ISLANDS. MD 4.4 (TRN). Felt (III) on Guadeloupe and Martinique.
15	19	45	49.2?	2.37	N	83.86	W	33	N	4.3	1.4	15	OFF COAST OF CENTRAL AMERICA
15	19	47	44.0?	14.26	N	91.50	W	33	N	4.3	1.2	18	GUATEMALA
15	20	46	39.9&	44.379	N	6.441	E	5	G		0.5	9	FRANCE. ML 1.8 (LDG).
15	20	46	46.7&	42.902	N	0.143	E	5	G		0.5	5	PYRENEES. ML 1.7 (LDG).
15	21	06	23.9?	9.05	S	76.03	W	100	G		1.2	12	CENTRAL PERU
15	21	29	56.8	44.785	N	15.778	E	10	G		1.3	69	NORTHWESTERN BALKAN REGION. ML 4.0 (VIE), 3.7 (LDG), 3.5 (FUR), 3.3 (LJU). Felt at Gospic and Otocac, Croatia. Also felt at Bihac, Bosnia and Herzegovina.
15	21	33	28.5	3.871	S	128.891	E	86	*	5.1	1.1	32	SERAM, INDONESIA
15	21	34	41.0*	1.462	S	145.674	E	33	N		1.2	11	ADMIRALTY ISLANDS REGION, P.N.G.
15	21	47	57.4?	24.21	S	179.90	E	550	G	4.3	0.5	12	SOUTH OF FIJI ISLANDS
15	21	48	30.0?	2.07	S	145.64	E	33	N	4.0	0.8	7	ADMIRALTY ISLANDS REGION, P.N.G.
15	22	30	56.2?	1.67	S	145.37	E	33	N	4.5	1.5	9	ADMIRALTY ISLANDS REGION, P.N.G.
15	23	09	01.4*	26.493	N	126.562	E	150	G	4.1	1.0	15	RYUKYU ISLANDS
15	23	15	23.2&	59.604	N	152.847	W	107				34	SOUTHERN ALASKA. <AEIC>.
15	23	37	55.3?	24.34	S	179.74	E	600	G	4.2	0.3	9	SOUTH OF FIJI ISLANDS
15	23	39	17.0?	17.17	S	178.89	W	500	G	4.5	1.0	21	FIJI ISLANDS REGION
15	23	49	56.2	38.737	N	21.184	E	33	N	4.3	1.3	37	GREECE. ML 4.1 (ROM).
16	00	18	12.5	39.431	N	28.377	E	10	G		0.5	6	TURKEY. MD 3.0 (ISK).
16	00	45	00.8*	37.739	N	71.750	E	33	N	4.0	1.2	13	AFGHANISTAN-TAJIKISTAN BORD REG.
16	01	22	41.2&	37.149	N	3.713	W	10	G		0.5	14	SPAIN. mbLg 3.0 (MDD). Felt (III) in the Chimeneas area.
16	02	09	42.3*	50.016	N	179.703	E	33	N	4.3	1.2	31	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.0 (PMR).
16	02	59	33.3?	38.19	N	21.44	E	33	N		1.0	15	GREECE
16	03	19	19.9*	35.750	N	30.746	E	33	N	4.0	1.3	22	EASTERN MEDITERRANEAN SEA. MD 3.8 (ISK).
16	03	27	06.1&	58.391	N	154.823	W	6				31	ALASKA PENINSULA. <AEIC>. ML 2.9 (AEIC).
16	04	21	00.2*	13.200	N	90.359	W	33	N	4.3	1.3	55	NEAR COAST OF GUATEMALA
16	05	46	06.1	42.121	N	142.383	E	33	N	3.7	1.0	20	HOKKAIDO, JAPAN REGION
16	05	46	06.5	45.049	N	7.003	E	10	G		1.2	24	NORTHERN ITALY. ML 2.5 (GEN), 2.1 (LDG).
16	05	51	37.0	34.851	N	137.445	E	36	D	5.7 5.1	0.8	339	NEAR S. COAST OF HONSHU, JAPAN. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:51:41.0; Lat 34.92 N; Lon 137.34 E; Dep 38.0 Bdy; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.27, Plg=17, Azm=44; (N) Val=0.06, Plg=21, Azm=307; (P) Val=-3.34, Plg=62, Azm=170; Best double couple: Mo=3.3*10**17 Nm; NP1: Strike=164, Dip=33, Slip=-49; NP2: Strike=297, Dip=65, Slip=-113.
16	06	04	03.7	52.696	N	160.865	E	33	N	4.6	1.0	56	OFF EAST COAST OF KAMCHATKA
16	06	23	46.3*	3.808	S	145.185	E	33	N	5.0	1.1	23	NEAR N COAST OF NEW GUINEA, PNG.
16	07	02	34.2?	34.33	N	27.22	E	33	N		1.1	9	EASTERN MEDITERRANEAN SEA
16	07	38	30.1*	42.586	N	18.302	E	33	N		0.4	6	NORTHWESTERN BALKAN REGION
16	07	43	00.6*	24.497	N	142.160	E	48	D	4.2	0.9	19	VOLCANO ISLANDS REGION
16	09	45	37.5&	61.832	N	150.588	W	55				83	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
16	10	30	45.6*	19.838	S	178.168	W	500	G	4.2	0.9	21	FIJI ISLANDS REGION
16	10	56	08.2?	7.10	S	149.97	E	50	G	3.6	0.7	6	NEW BRITAIN REGION, P.N.G.
16	12	05	20.0?	23.68	S	170.10	E	33	N		1.0	7	LOYALTY ISLANDS REGION
16	12	11	02.4&	36.220	N	71.450	E	150	G		0.8	9	AFGHANISTAN-TAJIKISTAN BORD REG.
16	12	59	35.3?	18.65	N	61.13	W	33	N	4.0	0.8	8	LEEWARD ISLANDS

16	13	05	43.0*	4.499	S	153.377	E	33	N	4.3		0.9	12	NEW IRELAND REGION, P.N.G.
16	14	19	01.1&	19.364	N	155.080	W	8		4.2			26	HAWAII. <HVO-P>. MD 4.4 (HVO). Felt at Hilo and Volcano. Also felt in the Puna and Kau Districts.
16	14	33	40.5*	53.230	N	170.170	W	139	*	3.5		0.9	15	FOX ISLANDS, ALEUTIAN ISLANDS
16	14	43	07.0?	43.75	S	15.84	W	10	G	4.6		1.2	10	SOUTHERN MID-ATLANTIC RIDGE
16	14	45	08.5?	5.87	S	150.23	E	33	N	4.2		0.9	8	NEW BRITAIN REGION, P.N.G.
16	18	23	36.8*	41.936	N	142.482	E	100	G			1.3	8	HOKKAIDO, JAPAN REGION
16	18	24	35.1&	38.758	N	122.722	W	2					10	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
16	19	00	13.7	44.350	N	7.284	E	5	G			0.3	21	NORTHERN ITALY. ML 2.3 (GEN), 1.7 (LDG).
16	19	07	27.9	34.209	N	93.435	W	5	G			0.8	11	ARKANSAS. mbLg 3.4 (GS). Felt (IV) at Glenwood.
16	20	11	45.3&	45.783	N	7.081	E	5	G			1.7	10	NORTHERN ITALY. ML 2.2 (LDG).
16	21	00	00.1*	0.873	S	121.237	E	33	N	4.5		0.9	10	MINAHASSA PENINSULA, SULAWESI
16	21	24	19.8*	30.886	S	177.634	W	33	N	4.6		1.1	20	KERMADEC ISLANDS, NEW ZEALAND
16	21	54	45.0	43.134	N	1.109	W	10	G			1.0	16	PYRENEES. mbLg 2.7 (MDD). ML 2.6 (LDG).
16	22	24	05.5	4.309	N	126.860	E	100	G	4.8		1.0	40	TALAUD ISLANDS, INDONESIA
16	23	11	01.9	44.424	N	7.316	E	10	G			0.5	22	NORTHERN ITALY. ML 2.2 (GEN), 1.8 (LDG), 1.6 (STR).
16	23	52	36.1*	21.100	S	68.578	W	100	G	4.4		0.7	24	CHILE-BOLIVIA BORDER REGION
17	00	09	27.4*	1.483	S	145.426	E	33	N	4.7		1.0	19	ADMIRALTY ISLANDS REGION, P.N.G.
17	00	49	03.0?	8.06	S	154.49	E	33	N	3.9		0.4	5	D'ENTRECASTEAUX ISLANDS REGION
17	00	54	29.1?	34.62	S	70.76	W	100	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
17	01	14	54.0&	55.139	N	160.858	W	61					12	ALASKA PENINSULA. <AEIC>. ML 2.5 (AEIC).
17	01	55	50.0*	1.271	N	99.579	E	200	G	4.6		0.6	10	NORTHERN SUMATERA, INDONESIA
17	01	55	58.0?	38.47	N	4.65	W	10	G			0.6	4	SPAIN. mbLg 2.3 (MDD).
17	02	40	21.5&	33.456	S	70.872	W	75	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
17	03	01	38.4?	6.20	S	148.70	E	54	D	4.1		0.9	9	NEW BRITAIN REGION, P.N.G.
17	03	33	41.1?	32.10	S	70.37	W	110	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
17	03	41	37.5&	33.773	S	69.991	W	5	G			0.5	11	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
17	04	17	50.3?	32.47	S	71.73	W	15	G			0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
17	04	31	30.5?	7.63	N	73.39	W	100	G			1.1	8	NORTHERN COLOMBIA
17	05	02	38.6	18.889	N	62.785	W	33	N	3.7		1.1	25	LEEWARD ISLANDS. MD 4.1 (MPR).
17	05	13	43.4	18.914	N	62.788	W	33	N	4.9		0.9	100	LEEWARD ISLANDS. MD 4.4 (MPR).
17	05	20	36.8	19.010	N	62.839	W	33	N	5.0	4.9	0.9	117	LEEWARD ISLANDS. Mw 5.5 (HRV). MD 4.6 (TRN), 4.6 (MPR). Centroid, Moment Tensor (HRV): Centroid origin time 05:20:44.3; Lat 19.01 N Fix; Lon 62.84 W Fix; Dep 31.1; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.96, Plg=54, Azm=234; (N) Val=-0.16, Plg=8, Azm=134; (P) Val=-1.80, Plg=35, Azm=39; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=95, Dip=12, Slip=51; NP2: Strike=315, Dip=81, Slip=98.
17	05	21	30.3*	2.584	S	100.199	E	33	N	4.6		1.0	21	SOUTHERN SUMATERA, INDONESIA
17	05	23	43.5&	36.794	N	7.068	W	10	G			0.5	9	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
17	05	30	01.1*	20.509	S	178.877	W	600	G	4.4		0.6	20	FIJI ISLANDS REGION
17	06	45	30.9	44.246	N	6.250	E	5	G			0.6	16	FRANCE. ML 1.9 (LDG), 1.9 (STR).
17	07	00	12.7	19.054	N	62.853	W	33	N	3.8		1.0	19	LEEWARD ISLANDS. MD 4.1 (MPR).
17	07	46	27.3*	53.189	N	142.818	E	10	G	4.5		1.1	18	SAKHALIN ISLAND. Felt (IV) at Okha and (III) at Moskalvo.
17	08	05	48.4	6.614	S	105.514	E	33	N	5.8	6.2	1.1	216	SUNDA STRAIT. Mw 6.4 (HRV), 6.3 (GS). Me 6.2 (GS). Some minor damage at Jakarta, Indonesia. Felt throughout western Jawa and in southern Sumatera, Indonesia. Broadband Source Parameters (GS): Dep 35; NP1: Strike=310, Dip=20, Slip=120; NP2: Strike=98, Dip=73, Slip=80; Radiated energy 4.1*10**13 Nm. Complex earthquake, with a small event followed by a much larger one about 2 seconds later. Depth based on second event. Moment Tensor (GS): Dep 37; Principal axes (scale 10**18 Nm): (T) Val=3.53, Plg=72, Azm=354; (N) Val=-0.75, Plg=5, Azm=99; (P) Val=-2.78, Plg=18, Azm=191; Best double couple: Mo=3.2*10**18 Nm; NP1: Strike=289, Dip=28, Slip=101; NP2: Strike=97, Dip=63, Slip=84. Centroid, Moment Tensor (HRV): Centroid origin time 08:05:56.7; Lat 7.27 S; Lon 105.41 E; Dep 42.7; Half-duration 3.8 sec; Principal axes (scale 10**18 Nm): (T) Val=4.16, Plg=69, Azm=1; (N) Val=0.14, Plg=6, Azm=105; (P) Val=-4.30, Plg=20, Azm=197; Best double couple: Mo=4.2*10**18 Nm; NP1: Strike=298, Dip=25, Slip=103; NP2: Strike=103, Dip=66, Slip=84.
17	08	07	25.6&	39.043	N	27.667	E	10	G			0.5	5	TURKEY. MD 3.1 (ISK).
17	08	31	42.6*	29.893	N	68.137	E	33	N	4.2		1.2	12	PAKISTAN
17	08	36	09.9?	39.11	N	27.61	E	5	G			0.7	4	TURKEY. MD 2.8 (ISK).
17	08	36	58.8	18.760	S	69.739	W	85	D	5.0		0.9	90	NORTHERN CHILE. Felt (IV) at Arica, (III) at Putre and (II) at Iquique, Pica, Pisagua and Pozo Almonte.
17	09	23	17.0	41.897	N	142.110	E	77	D	5.1		0.9	160	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Shizunai. Also felt in Aomori and Iwate Prefectures, Honshu.
17	10	13	53.7	11.915	S	166.260	E	33	N	4.9	5.0	1.0	30	SANTA CRUZ ISLANDS
17	10	14	52.9*	39.072	N	143.583	E	91	?	4.0		1.0	14	OFF EAST COAST OF HONSHU, JAPAN
17	10	48	24.2&	44.858	N	6.616	E	5	G			0.4	6	FRANCE. ML 1.9 (GEN).
17	11	01	16.2*	23.400	N	94.446	E	100	G			1.3	12	MYANMAR-INDIA BORDER REGION
17	11	19	56.8&	44.555	N	7.310	E	5	G			0.1	5	NORTHERN ITALY. ML 1.8 (GEN).
17	11	20	10.0*	73.768	N	142.933	E	10	G	3.9		1.4	12	NEW SIBERIAN ISLANDS, RUSSIA
17	11	42	15.4?	11.32	N	87.89	W	33	N	4.1		1.0	9	NEAR COAST OF NICARAGUA
17	11	44	07.0?	2.71	N	126.84	E	33	N	4.0		0.4	8	NORTHERN MOLUCCA SEA
17	11	54	55.3*	0.179	S	123.379	E	33	N	4.2		1.1	7	MINAHASSA PENINSULA, SULAWESI
17	12	03	54.3&	44.533	N	7.277	E	10	G			0.1	5	NORTHERN ITALY. ML 1.8 (GEN).
17	12	13	54.0	44.119	N	7.145	E	10	G			0.3	23	NORTHERN ITALY. ML 2.5 (GEN), 2.3 (LDG).
17	12	19	04.9&	44.092	N	7.079	E	10	G			0.3	10	NORTHERN ITALY. ML 2.4 (GEN).
17	12	27	33.6	58.808	N	142.872	W	10	G			0.6	49	GULF OF ALASKA. ML 2.8 (AEIC).
17	12	31	01.9&	33.702	S	70.317	W	110	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
17	14	23	46.1&	58.682	N	153.563	W	70		3.5			96	KODIAK ISLAND REGION. <AEIC>. ML 3.3 (AEIC), 3.9 (PMR).
17	14	39	24.8&	37.167	N	4.343	W	10	G			0.3	9	SPAIN. mbLg 2.7 (MDD).
17	15	10	06.2&	63.952	N	147.402	W	5					48	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.3 (PMR).
17	15	26	05.0&	44.084	N	7.093	E	10	G			0.4	7	NORTHERN ITALY. ML 2.0 (GEN).
17	15	44	22.4&	54.334	N	161.751	W	0					8	ALASKA PENINSULA. <AEIC>. ML 2.6 (AEIC).
17	16	04	15.3&	44.024	N	7.466	E	5	G			0.2	6	NORTHERN ITALY. ML 1.5 (STR).
17	17	34	40.4	43.552	N	0.662	W	10	G			0.4	25	PYRENEES. ML 3.0 (LDG), 2.7 (STR). mbLg 2.6 (MDD).

17	18	18	35.6&	43.899	N	0.190	E	5	G			0.9	6	FRANCE. ML 1.9 (LDG).
17	18	41	31.5*	18.050	S	178.471	W	600	G	4.7		0.9	37	FIJI ISLANDS REGION
17	19	29	15.9&	37.304	N	4.701	W	10	G			0.8	8	SPAIN. mbLg 2.4 (MDD).
17	19	33	42.6	44.737	N	6.686	E	10	G			0.8	19	FRANCE. ML 2.1 (GEN), 1.9 (LDG).
17	19	43	17.7?	52.17	N	176.40	W	33	N	4.0		1.3	5	ANDREANOF ISLANDS, ALEUTIAN IS.
17	19	56	20.2	3.759	N	126.049	E	100	G	5.0		0.9	47	TALAUD ISLANDS, INDONESIA
17	19	58	06.9	21.175	S	68.493	W	100	G	4.7		0.8	34	CHILE-BOLIVIA BORDER REGION
17	19	58	10.5&	62.094	N	150.767	W	59					70	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
17	19	58	38.0?	4.50	S	75.75	W	100	G	4.3		1.0	14	NORTHERN PERU
17	20	43	28.4*	21.578	N	143.225	E	309	*	3.8		1.0	13	MARIANA ISLANDS REGION
17	21	53	43.1?	2.15	S	124.50	E	33	N	3.5		1.3	5	CERAM SEA
17	22	14	31.5?	23.89	S	170.95	E	33	N	4.0		1.0	8	LOYALTY ISLANDS REGION
17	22	15	28.0?	13.25	N	89.25	W	33	N	4.2		1.3	13	EL SALVADOR
17	22	31	17.1*	21.579	N	143.353	E	308	*	3.8		0.7	11	MARIANA ISLANDS REGION
17	22	45	11.4	46.399	N	13.104	E	5	G			0.6	11	AUSTRIA. ML 3.1 (GRF), 2.8 (VIE), 2.6 (FUR).
17	23	55	46.5*	11.869	N	93.719	E	100	G			1.3	8	ANDAMAN ISLANDS, INDIA
17	23	56	32.6?	32.52	S	71.62	W	33	N			0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
18	00	33	15.4?	21.09	S	177.79	W	500	G	4.0		0.9	10	FIJI ISLANDS REGION
18	00	50	18.0&	33.845	S	71.057	W	70	G			0.6	9	NEAR COAST OF CENTRAL CHILE
18	00	59	46.7	36.122	N	137.469	E	258		4.2		1.1	28	EASTERN HONSHU, JAPAN
18	01	10	01.3?	32.10	S	70.33	W	120	G			0.2	7	CHILE-ARGENTINA BORDER REGION
18	01	16	50.5?	17.08	S	179.03	W	500	G	4.0		0.4	10	FIJI ISLANDS REGION
18	01	20	42.7&	44.549	N	7.258	E	10	G			0.6	7	NORTHERN ITALY. ML 1.9 (GEN).
18	01	21	57.3&	47.215	N	1.681	W	5	G			0.6	7	FRANCE. ML 1.9 (LDG).
18	01	59	44.6*	19.639	N	91.985	W	33	N	3.9		1.3	19	BAY OF CAMPECHE
18	02	47	00.0*	15.110	S	173.647	W	33	N	4.6		0.8	11	TONGA ISLANDS
18	02	58	27.5?	37.10	N	3.46	W	10	G			0.4	4	SPAIN. mbLg 1.7 (MDD).
18	03	08	32.1	37.140	N	4.278	W	33	N			0.8	24	SPAIN. mbLg 3.7 (MDD).
18	03	09	55.0?	34.85	S	70.56	W	120	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
18	03	28	47.6?	31.37	S	177.64	W	33	N	4.6		0.7	12	KERMADEC ISLANDS REGION
18	03	43	21.3&	58.318	N	153.399	W	69					35	KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
18	04	56	02.6?	6.53	S	155.16	E	33	N	3.5		1.1	6	SOLOMON ISLANDS
18	05	53	50.4	66.503	N	1.991	W	10	G	4.0		1.2	47	NORWEGIAN SEA
18	06	54	10.4?	5.64	S	152.46	E	100	G	4.1		1.3	6	NEW BRITAIN REGION, P.N.G.
18	07	04	11.9	33.879	N	141.719	E	54	D	4.0		0.8	20	OFF EAST COAST OF HONSHU, JAPAN
18	07	44	41.3*	31.120	S	177.480	W	33	N	4.7		1.3	21	KERMADEC ISLANDS REGION
18	07	57	28.4	41.678	N	23.789	E	10	G			1.2	16	GREECE-BULGARIA BORDER REGION. ML 3.2 (SKO).
18	08	14	55.1?	20.32	S	178.56	W	550	G	4.2		0.7	10	FIJI ISLANDS REGION
18	08	49	47.8?	23.31	S	175.46	W	33	N	4.4		1.0	13	TONGA ISLANDS REGION
18	09	33	20.8?	5.44	S	147.37	E	174	?	4.5		1.1	10	EASTERN NEW GUINEA REG., P.N.G.
18	09	47	40.4&	34.969	N	116.824	W	1					26	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.1 (PAS).
18	10	50	08.2?	23.43	S	169.99	E	33	N	4.0		1.1	9	LOYALTY ISLANDS REGION
18	11	26	16.0	34.187	N	26.154	E	20	G	5.1		1.2	287	CRETE. MD 4.5 (ISK).
18	11	53	07.6?	32.30	S	69.87	W	130	G			0.3	10	MENDOZA PROVINCE, ARGENTINA. MD 3.3 (SAN).
18	11	56	27.9&	61.976	N	151.123	W	63					77	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
18	12	17	09.3&	37.197	N	4.295	W	10	G			1.0	11	SPAIN. mbLg 2.6 (MDD).
18	12	34	27.4&	61.675	N	150.159	W	38					15	SOUTHERN ALASKA. <AEIC>. ML 2.4 (AEIC).
18	13	02	14.1	17.821	N	120.205	E	33	N	5.1	4.5	0.9	111	LUZON, PHILIPPINE ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:02:17.1; Lat 17.84 N; Lon 120.01 E; Dep 45.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.84, Plg=68, Azm=166; (N) Val=-1.83, Plg=19, Azm=317; (P) Val=-5.01, Plg=10, Azm=50; Best double couple: Mo=5.9*10**16 Nm; NP1: Strike=162, Dip=39, Slip=122; NP2: Strike=304, Dip=58, Slip=67.
18	13	30	33.2	44.682	N	7.272	E	10	G			0.7	43	NORTHERN ITALY. ML 3.0 (GEN), 3.0 (LDG), 2.8 (STR).
18	13	31	40.3&	44.659	N	7.181	E	10	G			0.4	6	NORTHERN ITALY. ML 1.8 (GEN).
18	13	34	46.8&	44.658	N	7.189	E	10	G			0.3	6	NORTHERN ITALY. ML 1.9 (GEN).
18	13	52	09.2&	47.439	N	5.088	E	10	G			0.9	8	FRANCE. ML 2.5 (LDG).
18	14	30	56.0&	37.184	N	4.338	W	10	G			0.3	5	SPAIN. mbLg 2.6 (MDD).
18	14	44	40.4*	17.869	N	120.319	E	33	N	3.7		0.8	11	LUZON, PHILIPPINE ISLANDS
18	14	47	46.8?	37.15	N	3.83	W	10	G			0.0	4	SPAIN. mbLg 2.0 (MDD).
18	15	24	47.7&	34.970	N	116.819	W	2		4.7	4.7		106	SOUTHERN CALIFORNIA. <PAS-P>. MD 5.1 (PAS). Minor damage (VI) in the Barstow area. Felt (V) at Hinkley, Newberry Springs, Oro Grande and Rancho Cucamonga; (IV) at Arcadia, Baker, Boron, El Monte, Fort Irwin, Glendale, Llano, Mojave, Mount Baldy, Newberry Springs, Rosamond, San Bernardino, Seal Beach, Tecopa, West Arcadia and Yermo. Felt in Los Angeles, Orange, Riverside and San Bernardino Counties.
18	15	39	38.5&	34.973	N	116.823	W	0					7	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.8 (PAS).
18	15	48	43.2	52.620	N	167.128	W	33	N	4.9	4.7	1.2	64	FOX ISLANDS, ALEUTIAN ISLANDS
18	16	06	45.0?	22.66	S	177.36	W	150	G	3.9		1.1	15	SOUTH OF FIJI ISLANDS
18	16	19	23.0&	34.971	N	116.826	W	1					32	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.7 (PAS). Felt in the Barstow area.
18	16	24	38.5?	18.80	S	177.76	W	600	G	3.9		0.3	8	FIJI ISLANDS REGION
18	16	40	14.6&	34.974	N	116.820	W	0					24	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.4 (PAS). Felt in the Barstow area.
18	16	42	08.2	46.156	N	7.512	E	5	G			0.5	29	SWITZERLAND. ML 2.9 (STR), 2.5 (LDG).
18	16	47	26.2&	44.611	N	7.195	E	10	G			0.4	10	NORTHERN ITALY. ML 2.3 (GEN).
18	17	02	59.0	51.674	N	16.164	E	5	G			0.8	18	POLAND. ML 3.6 (GRF), 3.3 (VIE).
18	17	45	46.1*	9.488	N	126.369	E	33	N	4.2		0.6	12	MINDANAO, PHILIPPINE ISLANDS
18	17	49	55.5&	44.576	N	7.444	E	10	G			0.4	9	NORTHERN ITALY. ML 2.0 (GEN).
18	19	01	21.9	44.629	N	7.224	E	10	G			0.5	24	NORTHERN ITALY. ML 2.5 (GEN), 2.0 (LDG).
18	19	22	40.8*	43.957	S	82.244	W	10	G	4.3		1.0	15	WEST CHILE RISE
18	19	51	07.3?	13.91	N	93.78	W	33	N	3.9		1.3	9	OFF COAST OF CHIAPAS, MEXICO
18	19	51	58.1?	30.85	S	177.99	W	33	N	4.9	5.2	1.3	19	KERMADEC ISLANDS, NEW ZEALAND
18	20	29	40.0&	42.111	N	21.265	E	10	G			0.7	5	NORTHWESTERN BALKAN REGION. ML 2.3 (SKO).
18	20	48	40.1	18.796	S	174.054	W	33	N	5.1		1.0	41	TONGA ISLANDS
18	21	16	26.2?	31.71	S	69.65	W	140	G			0.5	9	SAN JUAN PROVINCE, ARGENTINA. MD 3.3 (SAN).
18	21	28	54.1&	34.969	N	116.827	W	1					22	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.1 (PAS).
18	22	10	16.5&	44.545	N	7.272	E	10	G			0.4	10	NORTHERN ITALY. ML 2.2 (GEN).
18	22	33	01.5*	14.182	N	145.551	E	145	*	4.4		1.3	17	MARIANA ISLANDS

18	22	47	34.2*	18.855	N	145.483	E	400	G	3.8	0.9	11	MARIANA ISLANDS
18	23	08	40.2&	44.730	N	6.799	E	5	G		0.4	10	FRANCE. ML 2.3 (GEN).
19	00	18	17.5&	59.054	N	152.843	W	68				74	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
19	01	27	41.3?	25.70	S	178.75	W	250	G		0.9	7	SOUTH OF FIJI ISLANDS
19	01	50	26.2*	31.059	S	177.693	W	33	N	4.6	0.9	15	KERMADEC ISLANDS REGION
19	02	01	41.4	44.341	N	7.263	E	10	G		0.6	23	NORTHERN ITALY. ML 2.4 (GEN), 1.8 (LDG).
19	02	39	29.3?	10.03	N	126.02	E	33	N	3.9	1.1	7	PHILIPPINE ISLANDS REGION
19	02	57	42.0&	36.006	N	3.702	W	33	N		0.5	13	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
19	03	03	16.3	33.954	S	69.642	W	115			0.9	24	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
19	04	13	13.9&	42.846	N	7.196	W	10	G		0.7	6	SPAIN. mbLg 3.1 (MDD).
19	04	32	53.8&	42.787	N	7.221	W	10	G		0.6	6	SPAIN. mbLg 2.8 (MDD).
19	04	34	20.1?	42.78	N	7.24	W	10	G		0.0	4	SPAIN. mbLg 2.8 (MDD).
19	04	35	00.0&	42.836	N	7.194	W	10	G		0.3	5	SPAIN. mbLg 3.2 (MDD). Felt (III) in the epicentral area.
19	04	45	19.0&	34.969	N	116.822	W	0				31	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.4 (PAS). ML 3.3 (GS).
19	05	04	33.5	42.954	N	7.144	W	10	G		1.5	18	SPAIN. mbLg 3.1 (MDD). ML 3.0 (LDG). Felt (III) in the Sarria-Becerrea area.
19	05	05	42.2*	1.480	N	123.532	E	50	G	4.1	1.3	11	MINAHASSA PENINSULA, SULAWESI
19	05	18	47.8?	36.69	N	138.12	E	10	G		1.5	5	EASTERN HONSHU, JAPAN
19	06	02	24.0*	9.975	S	124.010	E	33	N	4.1	1.4	7	TIMOR REGION, INDONESIA
19	06	47	55.5*	7.090	S	125.398	E	500	G	4.7	1.1	20	BANDA SEA
19	06	55	21.4?	7.58	N	72.67	W	150	G	4.1	0.8	13	NORTHERN COLOMBIA
19	07	21	46.8&	38.028	N	29.024	E	10	G		0.5	5	TURKEY. MD 3.2 (ISK).
19	07	25	32.0*	6.769	S	105.355	E	33	N	4.4	0.9	18	SUNDA STRAIT
19	07	36	47.8	55.880	N	163.750	E	33	N	4.9 4.5	0.9	125	OFF EAST COAST OF KAMCHATKA
19	07	47	13.3*	55.868	N	163.783	E	33	N	3.4	0.7	11	OFF EAST COAST OF KAMCHATKA
19	08	03	10.3&	33.972	S	71.335	W	50	G		0.2	10	NEAR COAST OF CENTRAL CHILE. MD 3.0 (SAN).
19	08	09	32.9?	39.23	N	27.88	E	10	G		1.3	4	TURKEY. MD 2.7 (ISK).
19	08	09	59.4*	25.510	S	179.985	E	481	?	4.3	1.1	16	SOUTH OF FIJI ISLANDS
19	08	11	06.4?	21.60	N	143.48	E	300	G		0.7	6	MARIANA ISLANDS REGION
19	08	12	01.3*	55.891	N	163.915	E	33	N	3.3	0.6	13	OFF EAST COAST OF KAMCHATKA
19	08	23	43.8*	15.093	S	173.993	W	133	*	3.8	0.8	13	TONGA ISLANDS
19	09	40	41.6&	43.607	N	3.269	E	5	G		1.5	8	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG).
19	09	53	50.1*	8.397	N	125.928	E	33	N	4.4	1.2	30	MINDANAO, PHILIPPINE ISLANDS
19	10	42	19.6?	39.15	N	27.59	E	10	G		0.5	4	TURKEY. MD 2.7 (ISK).
19	10	43	02.2*	15.725	S	69.255	W	225	?	4.2	1.2	27	PERU-BOLIVIA BORDER REGION
19	10	56	30.6?	32.06	S	71.17	W	80	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
19	11	15	50.5*	30.326	N	67.961	E	33	N	4.7	1.5	44	PAKISTAN. Felt at Quetta.
19	11	28	11.7	47.795	N	7.988	E	5	G		0.5	9	SWITZERLAND. ML 2.5 (STR), 2.3 (VIE).
19	11	38	52.5&	38.565	N	0.965	W	10	G		0.8	7	SPAIN. mbLg 2.8 (MDD).
19	12	00	50.3*	45.019	S	76.663	W	33	N	4.6	1.1	12	OFF COAST OF SOUTHERN CHILE
19	12	18	16.2?	37.10	N	3.56	W	10	G		0.4	4	SPAIN. mbLg 2.0 (MDD).
19	12	35	18.6	37.737	N	142.825	E	33	N	4.1	0.8	21	OFF EAST COAST OF HONSHU, JAPAN
19	12	50	58.9	5.672	S	123.942	E	33	N	4.6	1.3	31	BANDA SEA
19	13	02	30.7&	36.159	N	139.854	E	33	N		0.8	5	EASTERN HONSHU, JAPAN
19	13	20	31.6	10.685	S	112.734	E	33	N	4.7	1.2	41	SOUTH OF JAWA, INDONESIA
19	13	37	00.4?	44.40	N	7.38	E	10	G		0.0	4	NORTHERN ITALY. ML 1.4 (GEN).
19	13	57	31.7	18.990	N	69.657	W	84	D	4.3	1.0	46	DOMINICAN REPUBLIC REGION. MD 4.4 (MPR). Felt (IV) at Cotui, Monte Plata and Santo Domingo; (III) at La Vega and Villa Altagracia.
19	14	02	35.1	44.121	N	7.163	E	10	G		0.7	38	NORTHERN ITALY. ML 2.9 (STR), 2.9 (LDG), 2.9 (GEN).
19	14	50	11.9?	32.30	S	71.79	W	5	G		0.5	8	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
19	15	08	54.4&	34.172	S	70.199	W	10	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
19	15	34	41.9*	5.978	S	129.796	E	197	?	4.1	1.3	13	BANDA SEA
19	16	22	34.0*	17.411	N	147.480	E	33	N	4.0	1.2	22	MARIANA ISLANDS REGION
19	16	34	21.5	13.281	N	50.059	E	10	G	4.7	1.0	33	EASTERN GULF OF ADEN
19	17	17	27.8*	19.019	S	169.458	E	33	N	4.9 4.7	1.0	34	VANUATU ISLANDS
19	17	20	51.7?	13.37	N	50.04	E	10	G	4.2	1.3	11	EASTERN GULF OF ADEN
19	17	28	38.6&	34.459	S	70.948	W	80	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
19	17	37	44.5*	31.791	S	70.707	W	100	G		0.4	13	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
19	17	50	42.2	16.610	S	173.898	W	99	D	5.5	0.9	214	TONGA ISLANDS. Mw 5.8 (GS), 5.7 (HRV). Moment Tensor (GS): Dep 87; Principal axes (scale 10**17 Nm): (T) Val=5.11, Plg=18, Azm=213; (N) Val=-0.08, Plg=28, Azm=313; (P) Val=-5.03, Plg=56, Azm=95; Best double couple: Mo=5.1*10**17 Nm; NP1: Strike=268, Dip=37, Slip=-141; NP2: Strike=145, Dip=68, Slip=-60. Centroid, Moment Tensor (HRV): Centroid origin time 17:50:45.9; Lat 16.51 S; Lon 173.44 W; Dep 92.7; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=4.12, Plg=18, Azm=215; (N) Val=-0.19, Plg=24, Azm=314; (P) Val=-3.93, Plg=59, Azm=92; Best double couple: Mo=4.0*10**17 Nm; NP1: Strike=272, Dip=34, Slip=-137; NP2: Strike=145, Dip=67, Slip=-63.
19	18	10	06.1*	39.185	N	21.372	E	91	*	4.0	1.3	24	GREECE
19	18	15	06.4*	2.638	N	127.928	E	100	G	4.7	1.3	22	NORTHERN MOLUCCA SEA
19	18	16	02.6*	52.909	N	34.913	W	10	G	4.2	1.2	24	NORTH ATLANTIC OCEAN
19	18	24	05.5*	38.878	N	21.853	E	50	G		1.2	13	GREECE
19	18	42	36.4?	36.48	N	141.17	E	33	N		0.5	5	NEAR EAST COAST OF HONSHU, JAPAN
19	18	55	34.1*	5.354	S	147.699	E	10	G	4.1	1.1	11	EASTERN NEW GUINEA REG., P.N.G.
19	19	22	57.2?	32.37	S	69.85	W	120	G		0.2	9	MENDOZA PROVINCE, ARGENTINA. MD 3.0 (SAN).
19	19	23	26.7*	14.350	N	93.558	W	33	N	4.6	1.2	42	NEAR COAST OF CHIAPAS, MEXICO
19	19	27	40.5?	4.99	N	127.45	E	33	N	4.6	1.3	11	TALAUD ISLANDS, INDONESIA
19	19	29	47.3&	59.682	N	152.333	W	57				77	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
19	19	57	11.9	34.872	N	71.620	E	50	G	4.9	0.8	88	PAKISTAN. Fifteen people killed, several injured and damage to houses in the Bajaur region. Felt at Chitral.
19	20	09	00.2*	70.609	N	132.088	W	10	G		0.9	8	BEAUFORT SEA
19	20	16	07.9	37.710	N	142.035	E	42	D		1.0	26	OFF EAST COAST OF HONSHU, JAPAN
19	20	16	54.2*	37.709	N	142.044	E	47	*		0.8	17	OFF EAST COAST OF HONSHU, JAPAN
19	20	51	01.8&	45.509	N	26.376	E	130	G		0.7	11	ROMANIA
19	21	51	43.9?	7.11	S	106.60	E	100	G		0.8	7	JAWA, INDONESIA
19	22	14	52.2*	36.931	N	6.820	W	33	N		1.3	27	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
19	22	31	56.1*	7.585	N	127.858	E	33	N	3.9	1.4	5	PHILIPPINE ISLANDS REGION
19	22	51	05.6*	43.407	N	147.073	E	69	D		1.2	10	KURIL ISLANDS
19	23	07	11.7	55.660	N	156.409	W	33	N	4.4	1.1	113	SOUTH OF ALASKA. ML 4.6 (AEIC).

19	23	10	49.2	41.397	N	14.626	E	10	G	4.6	1.3	112	SOUTHERN ITALY. ML 3.9 (LDG). Felt at Benevento.
19	23	34	44.2	47.169	N	11.222	E	5	G		1.2	30	AUSTRIA. ML 2.7 (GRF), 2.5 (VIE), 2.5 (FUR), 2.5 (LDG).
19	23	37	38.2?	19.58	S	178.06	W	550	G	3.9	0.4	8	FIJI ISLANDS REGION
19	23	58	07.9*	41.500	N	14.319	E	10	G		1.3	8	SOUTHERN ITALY
20	00	19	19.2	39.790	N	26.860	E	10	G		0.5	17	TURKEY. MD 3.5 (ISK).
20	00	28	19.4&	36.906	N	3.878	W	10	G		0.8	6	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
20	00	47	30.7	30.156	N	68.046	E	33	N	4.6	0.9	47	PAKISTAN
20	01	30	42.7?	51.45	N	16.40	E	5	G		0.6	5	POLAND
20	02	12	54.0?	11.71	S	166.17	E	33	N	3.4	1.3	9	SANTA CRUZ ISLANDS
20	02	17	05.4	1.648	S	12.999	W	10	G	5.0 4.8	1.0	104	NORTH OF ASCENSION ISLAND. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:17:09.5; Lat 1.59 S; Lon 12.71 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.48, Plg=13, Azm=251; (N) Val=1.90, Plg=24, Azm=346; (P) Val=-7.38, Plg=62, Azm=136; Best double couple: Mo=6.4*10**16 Nm; NP1: Strike=312, Dip=39, Slip=-131; NP2: Strike=180, Dip=62, Slip=-62.
20	02	22	02.5*	6.603	S	151.474	E	33	N	4.2	0.9	11	NEW BRITAIN REGION, P.N.G.
20	02	32	26.0?	38.52	N	21.62	E	33	N	3.3	1.4	13	GREECE
20	03	08	07.2&	37.490	N	118.833	W	12				21	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.4 (BRK), 3.3 (GS).
20	03	30	17.3?	30.14	N	68.19	E	33	N	3.7	1.4	12	PAKISTAN
20	03	57	25.9	42.594	N	2.082	E	5	G		1.0	28	PYRENEES. mbLg 3.1 (MDD). ML 3.0 (STR), 3.0 (LDG).
20	04	21	48.2*	1.527	S	145.598	E	33	N	4.9 4.4	1.0	20	ADMIRALTY ISLANDS REGION, P.N.G.
20	04	48	26.4*	1.584	S	145.805	E	33	N	4.0	0.7	8	ADMIRALTY ISLANDS REGION, P.N.G.
20	04	50	00.7&	34.525	S	70.377	W	5	G		0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
20	05	00	29.4?	5.47	S	147.48	E	150	G	4.3	1.0	9	EASTERN NEW GUINEA REG., P.N.G.
20	05	00	44.3*	30.000	N	67.733	E	33	N	4.0	1.0	12	PAKISTAN
20	05	04	18.4&	34.180	S	70.207	W	10	G		0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
20	05	30	58.2	42.208	N	143.200	E	70	*	4.2	1.0	28	HOKKAIDO, JAPAN REGION
20	05	43	12.5?	34.45	S	70.41	W	10	G		0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
20	05	52	39.6	42.012	N	142.512	E	72	D	4.5	1.1	58	HOKKAIDO, JAPAN REGION
20	06	08	10.3*	4.323	N	124.613	E	33	N	4.3	0.7	15	CELEBES SEA
20	06	17	27.4	44.267	N	114.113	W	5	G		0.5	14	WESTERN IDAHO. ML 3.0 (BUT).
20	06	25	38.4?	18.40	N	146.66	E	200	G	3.2	0.8	8	MARIANA ISLANDS
20	06	44	27.9*	6.760	S	129.573	E	150	G	4.5	1.4	12	BANDA SEA
20	06	51	26.0*	32.744	N	49.198	E	33	N	4.5	0.9	34	WESTERN IRAN
20	07	29	43.2&	44.546	N	8.534	E	10	G		0.2	8	NORTHERN ITALY. ML 2.3 (GEN).
20	07	30	27.0	43.769	N	148.025	E	33	N	4.7	1.0	53	EAST OF KURIL ISLANDS
20	07	44	59.7*	26.807	S	26.358	E	5	G	4.6	1.1	22	REPUBLIC OF SOUTH AFRICA
20	07	59	26.9*	2.022	N	126.819	E	33	N	4.4	1.0	14	NORTHERN MOLUCCA SEA
20	08	50	40.3	30.136	N	68.022	E	33	N	5.5 5.8	1.0	264	PAKISTAN. Mw 5.9 (HRV), 5.7 (GS). Me 5.4 (GS). At least three people injured and additional damage to houses in the Harnai area. Felt at Quetta. Broadband Source Parameters (GS): Dep 18; NP1: Strike=75, Dip=85, Slip=85; NP2: Strike=300, Dip=7, Slip=135; Radiated energy 2.4*10**12 Nm. Two events about 1 second apart. Depth based on first event. Moment Tensor (GS): Dep 18; Principal axes (scale 10**17 Nm): (T) Val=4.16, Plg=43, Azm=322; (N) Val=-0.02, Plg=19, Azm=71; (P) Val=-4.14, Plg=41, Azm=178; Best double couple: Mo=4.1*10**17 Nm; NP1: Strike=337, Dip=19, Slip=176; NP2: Strike=70, Dip=89, Slip=71. Centroid, Moment Tensor (HRV): Centroid origin time 08:50:44.7; Lat 30.79 N; Lon 67.79 E; Dep 15.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=8.13, Plg=38, Azm=346; (N) Val=-0.07, Plg=0, Azm=76; (P) Val=-8.05, Plg=52, Azm=166; Best double couple: Mo=8.1*10**17 Nm; NP1: Strike=76, Dip=7, Slip=-91; NP2: Strike=256, Dip=83, Slip=-90.
20	09	03	13.0*	30.141	N	67.964	E	33	N	3.6	1.1	12	PAKISTAN
20	09	34	00.5*	3.324	S	134.724	E	33	N	4.6	1.4	23	IRIAN JAYA REGION, INDONESIA
20	09	35	35.8	30.105	N	68.016	E	33	N	4.7	1.1	43	PAKISTAN
20	09	51	19.4*	36.156	N	68.492	E	150	G		0.4	6	HINDU KUSH REGION, AFGHANISTAN
20	10	16	49.1*	30.440	N	68.019	E	33	N	3.2	0.8	11	PAKISTAN
20	10	24	32.2*	55.902	S	27.647	W	150	G	4.5	0.8	14	SOUTH SANDWICH ISLANDS REGION
20	10	24	42.6?	11.97	S	120.09	E	33	N	4.3	1.6	13	SOUTH OF SUMBA, INDONESIA
20	11	17	19.8	30.050	N	68.021	E	33	N	4.6	0.9	47	PAKISTAN
20	11	27	17.6?	48.17	N	155.35	E	33	N		1.0	8	KURIL ISLANDS
20	12	37	29.6	27.840	N	130.201	E	34	D	4.7	1.0	34	RYUKYU ISLANDS
20	12	46	19.7	30.093	N	68.111	E	33	N	4.4	1.0	30	PAKISTAN
20	13	11	24.3*	30.501	N	67.910	E	33	N		1.0	10	PAKISTAN
20	13	33	49.3	5.725	N	82.408	W	10	G	4.9 4.8	1.0	63	SOUTH OF PANAMA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:33:54.9; Lat 5.60 N; Lon 82.50 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.37, Plg=0, Azm=133; (N) Val=-0.08, Plg=90, Azm=180; (P) Val=-1.29, Plg=0, Azm=43; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=178, Dip=90, Slip=-180; NP2: Strike=268, Dip=90, Slip=0.
20	13	54	57.1*	6.876	S	105.628	E	33	N	4.6	1.3	22	SUNDA STRAIT
20	14	00	46.7*	3.845	S	134.932	E	33	N	4.6	1.5	14	IRIAN JAYA REGION, INDONESIA
20	14	30	29.3&	44.801	N	6.373	E	5	G		0.4	7	FRANCE. ML 2.1 (GEN).
20	14	55	30.0*	16.878	N	73.678	E	10	G		1.2	8	SOUTHERN INDIA
20	15	04	15.1&	60.901	N	159.357	W	0				17	SOUTHERN ALASKA. <AEIC>. ML 3.8 (AEIC), 3.6 (PMR).
20	15	55	44.7&	60.283	N	153.606	W	177				92	SOUTHERN ALASKA. <AEIC>.
20	15	56	35.8*	3.377	S	134.114	E	33	N	3.9	1.0	7	IRIAN JAYA REGION, INDONESIA
20	15	59	34.3*	30.047	N	67.966	E	33	N	3.8	0.9	11	PAKISTAN
20	16	33	01.3&	43.130	N	0.681	W	5	G		0.4	6	PYRENEES. ML 1.7 (STR).
20	16	50	29.1&	31.437	S	117.722	E	10	G		0.6	5	WESTERN AUSTRALIA
20	17	01	17.0	42.118	N	21.198	E	10	G		1.2	32	NORTHWESTERN BALKAN REGION. ML 3.8 (SKO). Felt (VI) in the northern part of the former Yugoslav Republic of Macedonia. Also felt (IV) at Kumanovo, Skopje and Tetovo.

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20 17 03 24.4% 33.429 S   70.197 W  100 G          0.2   9  CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
20 18 02 17.3  33.961 N    8.286 E   10 G  5.2 4.9 1.4 189  TUNISIA
20 18 12 36.4& 33.808 N  116.973 W   13               22  SOUTHERN CALIFORNIA. <PAS-P>. MD 3.1 (PAS). ML 3.2 (GS).
20 19 09 58.3  30.127 N   67.991 E   33 N 4.4       0.9  38  PAKISTAN
20 20 28 20.8* 23.502 S  179.245 E  600 G 4.5       0.8  27  SOUTH OF FIJI ISLANDS
20 20 34 36.3& 61.395 N  150.747 W   57               40  SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
20 21 22 45.3   3.601 S  144.398 E   33 N 4.0       0.6  15  NEAR N COAST OF NEW GUINEA, PNG.
20 21 58 56.6* 24.219 S   66.950 W  168 * 4.6       0.9  19  SALTA PROVINCE, ARGENTINA
20 22 02 47.5& 62.033 N  141.413 W    4               21  CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
20 22 05 31.7? 24.22  S  179.80  E  550 G 4.3       0.7  14  SOUTH OF FIJI ISLANDS
20 22 10 43.0% 7.347  N  127.655 E   33 N           1.0   5  PHILIPPINE ISLANDS REGION
20 23 00 01.6  36.416 N   27.218 E   10 G 4.1       1.1  36  DODECANESE ISLANDS. MD 3.7 (ISK).
20 23 10 16.3* 23.932 N  122.717 E   33 N 4.3       0.9   8  TAIWAN REGION
20 23 13 25.3? 28.16  S  176.89  W   33 N 4.4       1.1  18  KERMADEC ISLANDS REGION
20 23 47 34.9  49.344 N    6.796 E   10 G           1.5  21  GERMANY. ML 2.6 (STR), 2.6 (LDG). Mining induced event in
                                                              the Lorraine region, France.
20 23 50 20.4  35.185 N   25.761 E   33 N 4.2       1.3  84  CRETE. MD 4.1 (ISK).
21 00 07 19.1  43.267 N    8.134 E   10 G           0.2   9  CORSICA. ML 2.0 (LDG), 1.9 (STR).
21 00 12 59.7? 50.93  N  179.57  E   33 N 3.4       1.5   8  RAT ISLANDS, ALEUTIAN ISLANDS
21 00 15 56.3% 36.620 N  139.484 E   10 G           0.9   5  EASTERN HONSHU, JAPAN
21 01 10 58.1* 49.371 N  153.741 E  150 G           1.1  12  KURIL ISLANDS
21 02 13 41.1? 5.00   S  149.60  E   52 D 3.6       0.4   7  NEW BRITAIN REGION, P.N.G.
21 02 54 28.2& 53.817 N  165.307 W   87               11  FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>.
21 04 50 48.9  30.214 N   67.952 E   33 N 4.4       1.0  37  PAKISTAN
21 05 43 43.7*  2.230 N  128.082 E  150 G 4.6       0.9  19  HALMAHERA, INDONESIA
21 05 48 44.6? 44.55  N    8.40  E   10 G           0.5   4  NORTHERN ITALY. ML 1.6 (GEN).
21 05 51 37.9*  0.397 N  120.555 E  100 G 4.4       0.9  22  MINAHASSA PENINSULA, SULAWESI
21 06 01 32.3% 44.514 N    8.440 E   10 G           0.2   8  NORTHERN ITALY. ML 2.1 (GEN).
21 06 05 32.8* 25.418 S   66.527 W  150 G 3.9       1.0  14  SALTA PROVINCE, ARGENTINA
21 06 12 18.1% 44.534 N    8.399 E   10 G           0.2   7  NORTHERN ITALY. ML 1.9 (GEN).
21 06 17 07.0  39.338 N   23.755 E    5    4.3 4.5 1.5 129  AEGEAN SEA. ML 4.5 (THE). MD 4.3 (ISK). Felt in the Athens
                                                              and Volos areas, Greece.
21 06 20 57.7& 59.080 N  152.522 W   76               80  SOUTHERN ALASKA. <AEIC>.
21 06 34 38.3* 16.757 S   67.066 E   10 G 4.4       0.7  13  MID-INDIAN RIDGE
21 07 01 46.7% 44.527 N    8.389 E   10 G           0.6  10  NORTHERN ITALY. ML 2.1 (GEN).
21 07 09 04.3* 25.250 S  179.395 E  650 G 4.2       0.9  20  SOUTH OF FIJI ISLANDS
21 07 24 58.3  49.247 N    6.527 E   10 G           1.2  16  GERMANY. ML 2.7 (LDG), 2.6 (STR), 2.5 (DBN). Mining induced
                                                              event in the Lorraine region, France.
21 08 20 04.8% 44.505 N    8.431 E   10 G           0.3  10  NORTHERN ITALY. ML 2.2 (GEN).
21 08 26 24.0% 43.413 N    5.438 E    7             0.5  14  NEAR SOUTH COAST OF FRANCE. ML 2.7 (STR). Mining induced
                                                              event in the Lorraine region, France.
21 08 49 38.9% 44.567 N    8.352 E    5 G           0.2  10  NORTHERN ITALY. ML 2.1 (GEN).
21 09 19 28.8  51.642 N   16.221 E    5 G 3.4       0.8  20  POLAND. ML 3.5 (VIE), 3.2 (CLL).
21 10 09 51.9? 45.52  N   26.60  E  150 G           1.4   8  ROMANIA
21 11 52 20.5?  5.49  S  147.08  E  250 G 4.0       1.0   8  EASTERN NEW GUINEA REG., P.N.G.
21 12 07 17.6  31.163 S  179.624 E  449 D 5.6       0.9 300  KERMADEC ISLANDS REGION. Mw 6.3 (GS), 6.3 (HRV). Me 6.2 (GS).
                                                              Broadband Source Parameters (GS): NP1: Strike=120, Dip=75,
                                                               Slip=180; NP2: Strike=30, Dip=90, Slip=-15; Radiated energy
                                                               3.8*10**13 Nm.
                                                              Moment Tensor (GS): Dep 442; Principal axes (scale 10**18
                                                               Nm): (T) Val=3.17, Plg=27, Azm=79; (N) Val=-0.07, Plg=51,
                                                               Azm=209; (P) Val=-3.10, Plg=25, Azm=335; Best double
                                                               couple: Mo=3.1*10**18 Nm; NP1: Strike=117, Dip=52,
                                                               Slip=179; NP2: Strike=207, Dip=89, Slip=39.
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               12:07:22.1; Lat 31.18 S; Lon 179.90 E; Dep 452.8; Half-
                                                               duration 3.5 sec; Principal axes (scale 10**18 Nm): (T)
                                                               Val=3.39, Plg=23, Azm=84; (N) Val=-0.34, Plg=54, Azm=210;
                                                               (P) Val=-3.05, Plg=26, Azm=342; Best double couple:
                                                               Mo=3.2*10**18 Nm; NP1: Strike=124, Dip=54, Slip=-178; NP2:
                                                               Strike=33, Dip=88, Slip=-36.
                                                              Scalar Moment (PPT): Mo=3.9*10**18 Nm.
21 13 28 01.7*  3.915 N  122.834 E  550 G 4.5       1.1  18  CELEBES SEA
21 13 34 38.8? 44.89  N    6.69  E    5 G           0.5   4  FRANCE. ML 1.7 (GEN).
21 13 37 07.2% 44.883 N    6.403 E    5 G           0.3   6  FRANCE. ML 2.0 (GEN).
21 13 47 42.5* 27.459 N  130.071 E   33 N 3.2       0.9   9  RYUKYU ISLANDS
21 14 58 29.3? 31.39  S   69.05  W  130 G           0.5  10  SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (SAN).
21 15 46 34.8  30.081 N   67.914 E   33 N 4.4       1.0  27  PAKISTAN
21 16 25 45.7& 46.992 N  112.890 W   16               18  MONTANA. <BUT-P>. ML 3.4 (BUT).
21 16 46 20.7  42.881 N   11.685 E   10 G 3.6       1.0 111  CENTRAL ITALY. MD 3.5 (ROM). ML 3.3 (LDG).
21 16 57 28.3  51.183 N  179.335 E   33 N 4.3 4.2   1.0  53  RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
21 17 11 38.1* 51.613 N  179.693 E   33 N 3.8       1.3  20  RAT ISLANDS, ALEUTIAN ISLANDS
21 17 13 05.6? 30.36  N   68.05  E   33 N 3.3       0.9   6  PAKISTAN
21 17 35 52.1  50.588 N   18.790 E   10 G           1.2  10  POLAND. ML 3.5 (VIE), 3.0 (CLL).
21 18 26 17.5? 33.76  N   87.00  E   33 N 3.7       0.8   6  XIZANG
21 18 28 13.7% 49.185 N    2.044 W    5 G           0.2   6  FRANCE. ML 2.6 (LDG).
21 19 14 16.3*  8.154 S  117.818 E   33 N 4.0       1.2  13  SUMBAWA REGION, INDONESIA
21 20 23 48.7  12.582 N  143.716 E   33 N 4.1       0.6  10  SOUTH OF MARIANA ISLANDS
21 20 49 57.3? 51.13  N  179.16  W   33 N 4.2       1.4   5  ANDREANOF ISLANDS, ALEUTIAN IS.
21 20 58 24.0  50.196 N    7.305 E    5 G           1.3   8  GERMANY. ML 2.6 (LDG), 2.1 (DBN).
21 21 00 07.4? 35.02  N    8.02  E   10 G           0.3   9  TUNISIA
21 21 04 48.6  32.932 N   84.612 E   33 N 4.9 4.9   1.0  73  XIZANG. Mw 5.4 (HRV).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               21:04:57.5; Lat 33.15 N; Lon 85.02 E; Dep 15.0 Fix; Half-
                                                               duration 1.0 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=1.36, Plg=25, Azm=270; (N) Val=-0.35, Plg=19, Azm=171;
                                                               (P) Val=-1.01, Plg=58, Azm=48; Best double couple:
                                                               Mo=1.2*10**17 Nm; NP1: Strike=35, Dip=26, Slip=-43; NP2:
                                                               Strike=165, Dip=73, Slip=-110.
21 21 07 57.7% 37.827 N    2.551 W   10 G           1.4   5  SPAIN. mbLg 2.5 (MDD).
21 22 36 12.9   7.621 S  157.786 E   35 D 5.3 5.5   1.3 150  SOLOMON ISLANDS. Mw 5.8 (HRV).
                                                              Centroid, Moment Tensor (HRV): Centroid origin time
                                                               22:36:16.3; Lat 7.57 S; Lon 158.09 E; Dep 22.3; Half-
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duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=4.58, Plg=10, Azm=132; (N) Val=0.85, Plg=78, Azm=348; (P) Val=-5.44, Plg=7, Azm=223; Best double couple: Mo=5.0*10**17 Nm; NP1: Strike=267, Dip=78, Slip=2; NP2: Strike=177, Dip=88, Slip=168.

21	22	46	55.1?	18.66	S	169.46	E	100	G	4.9	1.0	11	VANUATU ISLANDS
21	23	00	39.4	37.961	N	47.911	E	10	G	4.5	1.3	60	NORTHWESTERN IRAN. Felt at Ardebil and Sarab.
21	23	17	28.1	42.565	N	2.402	E	10	G		0.6	9	PYRENEES. mbLg 3.0 (MDD). ML 2.6 (LDG).
21	23	55	13.8?	3.30	N	82.75	W	33	N	4.1	0.9	13	SOUTH OF PANAMA
22	00	09	02.5*	7.409	S	157.840	E	33	N	4.4	1.0	19	SOLOMON ISLANDS
22	00	53	33.9&	34.971	N	116.819	W	0				27	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.9 (PAS).
22	01	11	09.0*	3.567	N	82.764	W	33	N	4.1	1.2	23	SOUTH OF PANAMA
22	01	13	59.3&	40.395	N	125.083	W	1				13	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK).
22	01	26	25.6	43.109	N	0.158	W	10	G		0.7	16	PYRENEES. mbLg 3.1 (MDD). ML 3.0 (LDG). Felt (II) in the Bigorre region, France.
22	01	27	55.9*	1.538	S	144.740	E	56	D	4.2	1.1	17	NINIGO ISLANDS REGION, P.N.G.
22	01	44	31.8	6.647	S	131.059	E	33	N	4.7	1.1	51	TANIMBAR ISLANDS REG., INDONESIA
22	02	50	01.0?	25.77	S	179.59	E	600	G	4.3	0.8	13	SOUTH OF FIJI ISLANDS
22	03	49	18.6	17.302	N	99.526	W	76	D	4.7	0.9	102	GUERRERO, MEXICO. Felt at Acapulco.
22	04	05	30.0%	44.405	N	7.394	E	10	G		0.3	6	NORTHERN ITALY. ML 1.7 (GEN).
22	04	25	12.8	48.238	N	6.557	E	10	G		0.9	18	FRANCE. ML 2.4 (LDG), 2.1 (STR).
22	04	28	01.7	51.630	N	16.206	E	5	G		0.7	22	POLAND. ML 3.4 (VIE).
22	04	50	57.8*	51.453	N	16.073	E	5	G		0.7	8	POLAND. ML 3.3 (VIE).
22	04	53	26.4&	63.520	N	150.660	W	9				40	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.9 (PMR).
22	04	59	25.0*	25.351	N	141.326	E	33	N	4.4	0.6	11	VOLCANO ISLANDS REGION
22	05	21	45.3*	16.624	N	99.673	W	33	N	4.1	0.9	29	NEAR COAST OF GUERRERO, MEXICO
22	05	55	26.4&	45.202	N	120.065	W	1				30	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.7 (SEA).
22	06	05	34.9&	45.190	N	120.067	W	1				43	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 3.9 (SEA).
22	06	17	24.9	0.972	S	137.073	E	10	G	5.5 5.5	1.0	89	IRIAN JAYA REGION, INDONESIA. Mw 5.7 (HRV), 5.6 (GS). Moment Tensor (GS): Dep 8; Principal axes (scale 10**17 Nm): (T) Val=3.07, Plg=50, Azm=238; (N) Val=0.00, Plg=18, Azm=125; (P) Val=-3.07, Plg=34, Azm=22; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=60, Dip=20, Slip=24; NP2: Strike=307, Dip=82, Slip=108. Centroid, Moment Tensor (HRV): Centroid origin time 06:17:30.4; Lat 0.97 S; Lon 137.23 E; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.64, Plg=54, Azm=217; (N) Val=0.04, Plg=4, Azm=121; (P) Val=-3.68, Plg=36, Azm=28; Best double couple: Mo=3.7*10**17 Nm; NP1: Strike=98, Dip=10, Slip=67; NP2: Strike=302, Dip=81, Slip=94.
22	06	19	52.1	30.075	N	67.930	E	33	N	4.8 4.7	0.8	87	PAKISTAN. Felt in the Harnai area and at Quetta.
22	07	27	36.1*	9.998	N	126.204	E	33	N	4.2	0.9	10	MINDANAO, PHILIPPINE ISLANDS
22	08	28	00.4?	5.40	S	146.96	E	200	G	4.7	1.0	13	EASTERN NEW GUINEA REG., P.N.G.
22	08	41	49.9*	29.311	N	143.029	E	33	N	3.7	1.2	9	SOUTH OF HONSHU, JAPAN
22	09	03	43.6*	18.792	S	168.553	E	47	D	4.3	1.3	16	VANUATU ISLANDS
22	09	55	19.8	46.447	N	6.304	E	10	G		1.3	12	SWITZERLAND. ML 2.4 (LDG).
22	10	22	28.4?	40.24	N	29.75	W	10	G		0.8	6	AZORES ISLANDS REGION
22	10	26	54.8*	24.308	N	143.130	E	33	N	4.0	0.7	12	VOLCANO ISLANDS REGION
22	10	44	00.1?	17.87	N	65.95	W	33	N		0.6	7	PUERTO RICO REGION. MD 3.3 (MPR).
22	11	11	57.2*	0.488	S	135.273	E	33	N	4.6	1.2	17	IRIAN JAYA REGION, INDONESIA
22	11	14	24.1*	6.096	S	146.912	E	33	N	4.2	1.2	12	EASTERN NEW GUINEA REG., P.N.G.
22	11	31	49.2&	36.838	N	121.409	W	10		3.8		62	CENTRAL CALIFORNIA. <GM-P>. Mw 4.2 (BRK). MD 4.1 (GM). ML 4.4 (GS), 4.4 (BRK). Felt from San Francisco and Marin County to Monterey and Salinas. Scalar Moment (BRK): Mo=2.3*10**15 Nm.
22	12	25	14.6*	51.695	N	16.224	E	5	G		1.4	9	POLAND. ML 3.0 (VIE).
22	12	28	58.4?	37.41	N	2.25	W	5	G		0.9	4	SPAIN. mbLg 2.6 (MDD).
22	12	36	50.7*	30.245	N	68.122	E	33	N	3.7	1.1	16	PAKISTAN
22	12	53	50.0	29.755	N	67.780	E	33	N	4.3	0.8	35	PAKISTAN
22	12	55	28.4	43.061	N	0.626	W	5	G		0.8	13	PYRENEES. ML 2.6 (LDG). mbLg 2.6 (MDD).
22	12	56	39.6*	7.458	S	157.812	E	33	N	4.3	0.9	16	SOLOMON ISLANDS
22	13	37	50.7&	36.831	N	121.407	W	9				14	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
22	13	54	11.8%	37.657	N	6.214	W	5	G		0.3	6	SPAIN. mbLg 2.8 (MDD).
22	13	54	26.6*	58.664	S	24.991	W	33	N	5.0	1.1	60	SOUTH SANDWICH ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:54:34.3; Lat 58.66 S Fix; Lon 24.99 W Fix; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.81, Plg=55, Azm=308; (N) Val=-0.28, Plg=15, Azm=196; (P) Val=-8.54, Plg=31, Azm=97; Best double couple: Mo=8.7*10**16 Nm; NP1: Strike=149, Dip=20, Slip=41; NP2: Strike=19, Dip=77, Slip=105.
22	13	57	04.7?	58.27	S	25.55	W	33	N		1.3	13	SOUTH SANDWICH ISLANDS REGION
22	14	14	41.7%	44.708	N	7.620	E	33	N		0.2	10	NORTHERN ITALY. ML 1.9 (GEN).
22	15	59	24.4	32.744	N	49.100	E	33	N	4.4	0.7	33	WESTERN IRAN
22	16	01	50.8*	23.034	N	142.168	E	100	G	4.1	0.8	13	VOLCANO ISLANDS REGION
22	16	43	02.5*	56.048	S	26.750	W	33	N	5.0	1.2	26	SOUTH SANDWICH ISLANDS REGION
22	17	12	29.3	32.659	S	69.739	W	100	G	4.4	1.0	48	MENDOZA PROVINCE, ARGENTINA
22	18	36	32.4&	61.164	N	151.767	W	82				64	SOUTHERN ALASKA. <AEIC>.
22	19	29	26.6*	38.510	N	73.279	E	100	G	3.2	0.9	7	TAJIKISTAN-XINJIANG BORDER REG.
22	20	00	36.2	5.268	S	152.925	E	33	N	4.4	0.9	25	NEW BRITAIN REGION, P.N.G.
22	20	32	58.3*	14.349	N	91.373	W	73	D	4.0	1.3	20	GUATEMALA
22	20	48	00.4	38.798	N	0.712	W	10	G		1.0	23	SPAIN. mbLg 3.0 (MDD). ML 2.7 (LDG). Felt (III) in the epicentral area.
22	21	14	39.1*	30.168	N	87.803	E	33	N	3.4	0.6	6	XIZANG
22	21	16	04.8*	29.895	N	88.151	E	33	N	4.4	1.4	24	XIZANG
22	21	50	16.6%	37.481	N	1.929	W	5	G		0.7	6	SPAIN. mbLg 2.5 (MDD).
22	23	44	25.5*	41.059	N	142.605	E	50	G		1.0	8	HOKKAIDO, JAPAN REGION
22	23	48	50.1*	29.944	N	67.590	E	33	N	3.9	0.8	18	PAKISTAN
22	23	57	24.4?	37.22	N	4.00	W	5	G		0.1	4	SPAIN. mbLg 1.9 (MDD).
23	00	00	00.0%	37.192	N	4.040	W	10	G		0.6	12	SPAIN. mbLg 2.8 (MDD).
23	00	04	52.1*	6.238	N	126.630	E	100	G	4.0	1.2	15	MINDANAO, PHILIPPINE ISLANDS

23	00	48	34.0?	37.20	N	4.00	W	5	G			0.1	4	SPAIN. mbLg 2.0 (MDD).
23	01	05	08.0?	11.16	N	86.07	W	33	N	4.0		1.3	13	NEAR COAST OF NICARAGUA
23	01	12	34.3&	61.979	N	150.464	W	54					79	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.3 (PMR).
23	01	16	19.7&	63.158	N	150.581	W	125					41	CENTRAL ALASKA. <AEIC>.
23	01	21	49.7%	37.494	N	1.916	W	5	G			1.0	5	SPAIN. mbLg 2.5 (MDD).
23	01	57	00.0	40.483	N	141.445	E	100		4.1		1.0	32	NEAR EAST COAST OF HONSHU, JAPAN
23	02	24	28.4	44.781	N	6.959	E	5	G			0.8	22	FRANCE. ML 2.3 (GEN), 2.1 (LDG).
23	02	30	04.9	51.603	N	16.386	E	5	G			1.1	11	POLAND. MG 2.5 (WAR).
23	02	40	21.5*	30.279	N	67.947	E	33	N			1.2	11	PAKISTAN
23	02	55	25.6*	35.324	N	140.427	E	61	*	4.1		1.1	17	NEAR EAST COAST OF HONSHU, JAPAN
23	03	05	56.5	20.733	S	178.352	W	573	*	4.6		0.9	37	FIJI ISLANDS REGION
23	04	09	19.0?	37.76	N	2.50	W	5	G			0.6	4	SPAIN. mbLg 2.5 (MDD).
23	04	26	31.1*	34.146	S	109.341	W	10	G	5.0	4.9	1.0	54	SOUTHERN EAST PACIFIC RISE. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:26:36.0; Lat 34.60 S; Lon 109.35 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.33, Plg=2, Azm=97; (N) Val=0.25, Plg=68, Azm=192; (P) Val=-1.58, Plg=22, Azm=6; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=144, Dip=73, Slip=-165; NP2: Strike=49, Dip=76, Slip=-18.
23	04	39	51.5&	45.200	N	120.069	W	1					26	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 3.4 (SEA).
23	05	58	55.5	35.942	N	139.992	E	83		5.1		0.9	188	NEAR S. COAST OF HONSHU, JAPAN. Mw 5.2 (HRV). Felt (III JMA) in the Tokyo area. Also felt at Nikko and Yokohama. Centroid, Moment Tensor (HRV): Centroid origin time 05:59:00.0; Lat 36.03 N; Lon 140.14 E; Dep 71.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.16, Plg=62, Azm=242; (N) Val=-0.29, Plg=12, Azm=356; (P) Val=-6.87, Plg=25, Azm=92; Best double couple: Mo=7.0*10**16 Nm; NP1: Strike=207, Dip=23, Slip=123; NP2: Strike=352, Dip=71, Slip=77.
23	06	00	58.2*	5.876	N	126.978	E	90	?	4.2		1.2	15	MINDANAO, PHILIPPINE ISLANDS
23	06	15	35.7*	5.998	N	127.633	E	33	N	4.2		1.0	12	PHILIPPINE ISLANDS REGION
23	06	17	52.7	3.399	N	128.073	E	33	N	4.6		1.2	28	NORTH OF HALMAHERA, INDONESIA
23	06	21	25.0%	37.409	N	2.265	W	5	G			0.6	10	SPAIN. mbLg 2.0 (MDD).
23	06	49	22.0	2.325	S	138.489	E	33	N	4.6		1.0	21	IRIAN JAYA, INDONESIA
23	07	00	08.3?	17.60	S	173.63	W	33	N	3.8		1.1	9	TONGA ISLANDS
23	07	07	45.7?	17.62	S	173.52	W	33	N	4.4		1.1	11	TONGA ISLANDS
23	07	15	38.0*	26.224	N	64.493	E	33	N			1.3	11	SOUTHWESTERN PAKISTAN
23	07	42	16.8?	23.46	N	108.46	W	10	G	3.5		0.6	8	GULF OF CALIFORNIA
23	09	28	54.9*	36.340	N	71.278	E	100	G			0.4	7	AFGHANISTAN-TAJIKISTAN BORD REG.
23	11	09	53.6?	5.76	S	150.80	E	33	N	4.0		0.9	7	NEW BRITAIN REGION, P.N.G.
23	11	22	14.1&	60.009	N	153.175	W	131					76	SOUTHERN ALASKA. <AEIC>.
23	11	56	11.6&	64.003	N	149.365	W	12					67	CENTRAL ALASKA. <AEIC>. ML 3.6 (AEIC), 3.9 (PMR).
23	12	57	42.6?	34.59	S	72.25	W	20	G			0.8	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
23	13	04	45.1*	59.615	S	25.810	W	33	N	4.4		1.4	20	SOUTH SANDWICH ISLANDS REGION
23	15	23	48.5*	12.909	N	88.765	W	63		3.8		1.1	27	OFF COAST OF CENTRAL AMERICA. MD 3.5 (SSS). Felt (III) at San Salvador, El Salvador.
23	15	49	39.6	19.169	S	168.736	E	33	N	5.3	5.0	1.1	214	VANUATU ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:49:48.0; Lat 19.02 S; Lon 168.33 E; Dep 53.2; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.74, Plg=80, Azm=171; (N) Val=0.89, Plg=10, Azm=0; (P) Val=-2.63, Plg=2, Azm=270; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=350, Dip=44, Slip=76; NP2: Strike=190, Dip=47, Slip=104.
23	16	00	01.6?	13.75	N	89.31	W	78				1.2	16	EL SALVADOR. MD 3.6 (SSS). Felt (III) at San Salvador.
23	16	41	25.1	43.535	N	127.278	W	10	G	4.1		0.8	167	OFF COAST OF OREGON
23	18	11	30.7*	52.870	N	142.850	E	10	G	4.0	4.0	1.2	21	SAKHALIN ISLAND. Felt (IV) at Okha and Russa, (III) at Ekhabi and (II) at Nikolayevsk-na-Amure.
23	18	30	08.2*	19.949	S	177.965	W	500	G	4.1		0.6	10	FIJI ISLANDS REGION
23	18	42	27.8%	46.590	N	6.478	E	5	G			1.0	8	SWITZERLAND. ML 1.9 (LDG).
23	18	47	55.3%	35.569	N	66.118	E	33	N			1.0	11	HINDU KUSH REGION, AFGHANISTAN
23	19	09	52.9*	6.751	S	129.776	E	33	N	4.5		1.3	18	BANDA SEA
23	19	35	19.3&	62.015	N	148.342	W	35					66	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
23	19	35	29.4*	62.613	S	159.284	W	10	G	3.8		1.1	9	PACIFIC-ANTARCTIC RIDGE
23	20	23	16.3	17.547	N	100.647	W	63	D	4.9		1.0	124	GUERRERO, MEXICO
23	20	48	48.8	30.984	N	41.542	W	10	G	5.4	5.9	1.2	279	NORTHERN MID-ATLANTIC RIDGE. Mw 5.9 (HRV), 5.8 (GS). Moment Tensor (GS): Dep 4; Principal axes (scale 10**17 Nm): (T) Val=6.84, Plg=11, Azm=156; (N) Val=-1.17, Plg=29, Azm=60; (P) Val=-5.66, Plg=58, Azm=265; Best double couple: Mo=6.2*10**17 Nm; NP1: Strike=278, Dip=42, Slip=-44; NP2: Strike=43, Dip=62, Slip=-123. Centroid, Moment Tensor (HRV): Centroid origin time 20:48:56.6; Lat 31.21 N; Lon 41.20 W; Dep 15.0 Fix; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=7.69, Plg=7, Azm=277; (N) Val=-0.94, Plg=0, Azm=7; (P) Val=-6.75, Plg=83, Azm=98; Best double couple: Mo=7.2*10**17 Nm; NP1: Strike=7, Dip=38, Slip=-90; NP2: Strike=187, Dip=52, Slip=-90.
23	20	58	56.9*	30.838	N	41.280	W	10	G	4.4		1.3	29	NORTHERN MID-ATLANTIC RIDGE
23	21	04	59.2*	30.931	N	41.558	W	10	G	4.2		1.2	28	NORTHERN MID-ATLANTIC RIDGE
23	21	25	10.5?	30.37	N	41.10	W	10	G	3.8		0.8	6	NORTHERN MID-ATLANTIC RIDGE
23	21	57	34.9	7.325	S	129.201	E	33	N	4.9		1.1	53	BANDA SEA
23	22	19	04.7&	60.057	N	153.024	W	118		2.6			73	SOUTHERN ALASKA. <AEIC>.
23	23	01	55.5*	24.798	N	122.381	E	117	D	4.1		0.4	10	TAIWAN REGION
23	23	05	21.0*	31.095	N	41.500	W	10	G	4.7		0.7	18	NORTHERN MID-ATLANTIC RIDGE
23	23	12	14.3%	42.908	N	0.038	W	5	G			1.1	5	PYRENEES. ML 2.1 (LDG).
23	23	33	02.2%	44.923	N	6.634	E	5	G			0.5	8	FRANCE. ML 1.8 (LDG).
23	23	56	16.3?	31.97	N	42.07	W	10	G	4.4		1.3	9	NORTHERN MID-ATLANTIC RIDGE
24	00	09	09.6%	37.215	N	4.268	W	10	G			0.4	5	SPAIN. mbLg 2.5 (MDD).
24	00	23	21.0?	32.35	N	41.80	W	10	G	4.4		0.8	10	NORTHERN MID-ATLANTIC RIDGE
24	01	33	29.4%	36.048	N	139.987	E	33	N			0.5	5	EASTERN HONSHU, JAPAN
24	01	49	24.2	44.347	N	7.257	E	10	G			0.2	12	NORTHERN ITALY. ML 1.9 (LDG), 1.6 (STR).

24	02	20	36.0*	1.464	S	15.727	W	10	G	4.5 3.9	1.0	16	NORTH OF ASCENSION ISLAND
24	02	56	05.0*	16.012	S	69.625	W	208	*	3.9	1.0	18	PERU-BOLIVIA BORDER REGION
24	03	14	19.6*	47.090	N	14.313	E	5	G		1.0	7	AUSTRIA. ML 2.9 (GRF), 2.7 (VIE). Felt (IV) in the Metnitz Valley.
24	03	21	03.7&	47.398	N	113.133	W	21				17	MONTANA. <BUT-P>. MD 3.1 (BUT).
24	03	38	30.0*	23.159	S	175.559	W	23	D	4.8	0.8	22	TONGA ISLANDS REGION
24	03	55	36.9	34.687	N	140.583	E	86		4.7	0.9	32	NEAR EAST COAST OF HONSHU, JAPAN
24	04	34	55.1	39.877	N	13.609	E	454			0.9	71	TYRRHENIAN SEA
24	05	45	52.7?	5.96	S	145.60	E	33	N	3.8	0.3	6	EASTERN NEW GUINEA REG., P.N.G.
24	06	34	44.3	51.464	N	168.235	W	33	N	5.0 4.4	1.3	143	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.0 (PMR), 4.8 (AEIC).
24	06	56	13.6	67.075	N	173.412	W	10	G	5.1 4.6	1.0	133	NEAR N. COAST OF EASTERN SIBERIA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:56:17.8; Lat 67.08 N; Lon 174.16 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.15, Plg=13, Azm=183; (N) Val=-2.74, Plg=49, Azm=288; (P) Val=-3.41, Plg=38, Azm=82; Best double couple: Mo=4.8*10**16 Nm; NP1: Strike=230, Dip=53, Slip=-160; NP2: Strike=127, Dip=74, Slip=-39.
24	08	50	07.4&	40.336	N	124.634	W	24				5	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.6 (GM).
24	08	53	00.3?	2.04	S	146.65	E	33	N	3.6	1.2	6	ADMIRALTY ISLANDS REGION, P.N.G.
24	10	00	03.5	43.463	N	0.635	W	5	G		0.4	14	PYRENEES. ML 2.4 (LDG), 2.0 (STR).
24	10	05	27.4*	26.676	N	143.047	E	33	N	4.4	1.3	10	BONIN ISLANDS REGION
24	10	17	29.4&	63.405	N	144.553	W	8				56	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC).
24	10	26	06.2*	22.389	N	121.453	E	33	N	4.0	1.0	9	TAIWAN REGION
24	10	47	40.1?	10.55	N	92.56	E	33	N	4.2	0.4	7	ANDAMAN ISLANDS, INDIA
24	11	54	18.1	17.515	N	145.907	E	105	D	5.2	0.9	117	MARIANA ISLANDS
24	12	35	44.6*	17.445	S	178.648	W	600	G	3.8	0.5	9	FIJI ISLANDS REGION
24	14	35	53.3	35.380	N	78.300	E	33	N	4.6	1.0	45	EASTERN KASHMIR
24	15	29	05.2*	23.640	S	179.837	E	600	G	4.4	0.7	12	SOUTH OF FIJI ISLANDS
24	15	37	01.4&	35.578	N	78.357	E	33	N		1.4	9	EASTERN KASHMIR
24	16	10	34.3*	6.663	S	130.451	E	150	G	4.7	1.2	10	BANDA SEA
24	16	47	32.8?	6.95	N	72.92	W	158	*		0.8	11	NORTHERN COLOMBIA
24	17	38	54.1&	54.259	N	165.541	W	107				20	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>.
24	17	41	34.0*	42.562	N	143.485	E	74	*		0.9	13	HOKKAIDO, JAPAN REGION
24	19	54	33.9	38.850	N	119.638	W	5	G		0.8	15	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (GS), 3.4 (BRK). MD 3.2 (GM).
24	20	18	18.1	51.640	N	16.244	E	5	G		0.6	23	POLAND. ML 3.4 (GRF), 3.2 (VIE).
24	21	18	01.1?	5.72	S	150.86	E	33	N	4.2	0.9	8	NEW BRITAIN REGION, P.N.G.
24	21	21	10.9	42.018	N	20.142	E	10	G		0.6	27	NORTHWESTERN BALKAN REGION. ML 3.5 (ROM).
24	21	28	06.0	27.887	N	84.987	E	33	N	4.5	1.2	28	NEPAL-INDIA BORDER REGION. Felt in the epicentral area and at Kathmandu, Nepal.
24	21	53	41.5	26.125	N	128.798	E	33	N	4.7	1.0	27	RYUKYU ISLANDS
24	22	08	21.3?	33.07	S	71.70	W	40	G		1.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
24	22	21	56.0	0.825	N	125.884	E	33	N	5.3 5.1	1.1	82	NORTHERN MOLUCCA SEA. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:22:02.2; Lat 1.21 N; Lon 126.15 E; Dep 43.0; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.78, Plg=81, Azm=156; (N) Val=0.39, Plg=6, Azm=29; (P) Val=-4.17, Plg=7, Azm=298; Best double couple: Mo=4.0*10**17 Nm; NP1: Strike=22, Dip=38, Slip=81; NP2: Strike=213, Dip=52, Slip=97.
24	22	31	34.5?	27.72	N	98.05	W	5	G		1.1	8	SOUTHERN TEXAS. mbLg 3.8 (GS). Felt (V) at Agua Dulce, Alice and Orange Grove; (III) at Edroy.
24	23	15	48.2&	37.056	N	4.139	W	10	G		1.0	6	SPAIN. mbLg 2.3 (MDD).
24	23	16	45.6*	0.668	N	125.790	E	33	N	4.5	0.7	11	NORTHERN MOLUCCA SEA
24	23	21	47.9*	12.067	N	88.406	W	33	N	4.7	1.1	19	OFF COAST OF CENTRAL AMERICA
24	23	32	24.9*	24.058	N	121.648	E	100	G	4.2	1.2	21	TAIWAN. Felt (IV JMA) at Nan-ao. Felt at Taipei and in much of northern and eastern Taiwan.
25	00	14	44.6	33.480	S	70.548	W	84	D	5.5	0.9	173	CHILE-ARGENTINA BORDER REGION. Mw 5.5 (HRV). MD 5.4 (SAN). Some buildings slightly damaged (VI) and power outages at Santiago, Chile. Felt in many parts of central Chile. Landslides occurred along mountain roads east of Santiago, Chile. Also felt (III) at Mendoza, Argentina. Centroid, Moment Tensor (HRV): Centroid origin time 00:14:50.6; Lat 33.45 S; Lon 70.62 W; Dep 89.9; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.16, Plg=10, Azm=111; (N) Val=0.03, Plg=54, Azm=215; (P) Val=-2.19, Plg=34, Azm=14; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=158, Dip=59, Slip=-161; NP2: Strike=58, Dip=74, Slip=-33.
25	00	32	13.2?	32.70	S	70.15	W	120	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
25	00	46	13.8	36.930	N	16.033	E	33	N	4.7	1.3	53	CENTRAL MEDITERRANEAN SEA
25	01	03	46.8*	17.345	S	178.880	W	500	G	4.6	1.0	24	FIJI ISLANDS REGION
25	01	23	00.3*	0.915	N	126.128	E	33	N	4.3	1.2	16	NORTHERN MOLUCCA SEA
25	02	18	00.8	37.018	S	177.651	E	100	G	5.2	1.2	76	OFF E. COAST OF N. ISLAND, N.Z. Mw 5.3 (HRV). Felt at Gisborne and Whakatane. Centroid, Moment Tensor (HRV): Centroid origin time 02:18:07.4; Lat 36.94 S; Lon 177.22 E; Dep 136.4; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.22, Plg=58, Azm=290; (N) Val=-0.27, Plg=32, Azm=110; (P) Val=-0.95, Plg=0, Azm=200; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=318, Dip=53, Slip=131; NP2: Strike=82, Dip=53, Slip=49.
25	02	31	21.2*	51.278	N	179.383	E	33	N	4.6	0.9	19	RAT ISLANDS, ALEUTIAN ISLANDS
25	03	24	25.1?	51.15	N	178.68	W	33	N	4.1	1.0	6	ANDREANOF ISLANDS, ALEUTIAN IS.
25	03	53	59.5	14.599	S	167.290	E	150	G	5.1	1.0	84	VANUATU ISLANDS
25	04	02	47.8?	25.08	N	98.27	E	33	N	4.3	1.1	5	MYANMAR-CHINA BORDER REGION
25	04	33	33.3*	2.750	N	128.697	E	100	G	4.6	0.9	24	HALMAHERA, INDONESIA
25	05	08	55.7*	19.433	S	69.645	W	120	*	4.0	0.9	19	NORTHERN CHILE
25	05	55	42.1	7.725	S	108.036	E	76	*	4.7	1.1	60	JAWA, INDONESIA
25	05	58	12.1?	32.43	S	71.69	W	20	G		0.8	7	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
25	06	04	08.3?	32.43	S	71.71	W	10	G		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
25	06	04	12.0&	36.277	N	71.195	E	33	N		0.6	6	AFGHANISTAN-TAJIKISTAN BORD REG.

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25 06 05 07.5? 25.34  S  178.99  E  600 G  4.3      1.1  13  SOUTH OF FIJI ISLANDS
25 06 11 30.1? 32.32  S   71.82  W   10 G           0.5   6  NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
25 08 09 19.2   4.520 S  105.265 W   10 G  5.0 5.3  0.9  71  CENTRAL EAST PACIFIC RISE. Mw 5.7 (HRV).
                                                             Centroid, Moment Tensor (HRV): Centroid origin time
                                                              08:09:25.3; Lat 4.48 S; Lon 105.49 W; Dep 15.0 Fix; Half-
                                                              duration 1.6 sec; Principal axes (scale 10**17 Nm): (T)
                                                              Val=3.37, Plg=16, Azm=320; (N) Val=0.39, Plg=64, Azm=194;
                                                              (P) Val=-3.76, Plg=20, Azm=56; Best double couple:
                                                              Mo=3.6*10**17 Nm; NP1: Strike=97, Dip=65, Slip=-3; NP2:
                                                              Strike=188, Dip=87, Slip=-154.
25 08 28 12.9*  5.751 N  127.319 E   61 ?  4.8 4.7  1.3  26  PHILIPPINE ISLANDS REGION
25 08 44 21.4* 51.968 N  106.101 E   10 G           1.3   6  LAKE BAYKAL REGION, RUSSIA
25 09 48 55.7?  8.36  S  157.75  E   33 N  4.2      1.3   6  SOLOMON ISLANDS
25 10 12 41.0* 23.331 N  142.994 E   33 N  4.3      1.2  11  VOLCANO ISLANDS REGION
25 10 20 08.1* 23.601 S  179.991 W  500 G  4.4      1.1  20  SOUTH OF FIJI ISLANDS
25 11 18 23.6& 61.463 N  148.211 W   33                   78  SOUTHERN ALASKA. <AEIC>. ML 3.6 (AEIC), 3.7 (PMR). Felt
                                                              (III) at Eagle River.
25 11 30 50.0   7.555 N  127.545 E   33 N  4.6      1.3  38  PHILIPPINE ISLANDS REGION
25 12 11 29.0& 65.172 N  150.302 W    9                   17  NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
25 12 21 15.9*  0.750 N  126.139 E   33 N  4.5      1.2  17  NORTHERN MOLUCCA SEA
25 13 16 04.4& 47.740 N    2.829 W    5 G           1.4   8  FRANCE. ML 2.9 (LDG).
25 13 18 07.3? 18.67  S  178.83  E  650 G  3.9      0.7   9  FIJI ISLANDS
25 13 45 14.1  53.869 N  163.581 W   33 N  5.0      1.1  36  UNIMAK ISLAND REGION. ML 4.4 (PMR).
25 14 17 26.4  17.318 N   94.634 E   33 N  4.2      1.0  28  MYANMAR
25 14 20 48.6  30.914 N   41.597 W   10 G  5.2 5.0  0.8 160  NORTHERN MID-ATLANTIC RIDGE. Mw 5.4 (HRV).
                                                             Centroid, Moment Tensor (HRV): Centroid origin time
                                                              14:20:54.3; Lat 30.90 N; Lon 40.83 W; Dep 15.0 Fix; Half-
                                                              duration 1.0 sec; Principal axes (scale 10**17 Nm): (T)
                                                              Val=1.52, Plg=32, Azm=291; (N) Val=-0.12, Plg=7, Azm=26;
                                                              (P) Val=-1.40, Plg=57, Azm=127; Best double couple:
                                                              Mo=1.5*10**17 Nm; NP1: Strike=357, Dip=14, Slip=-120; NP2:
                                                              Strike=208, Dip=77, Slip=-83.
25 14 31 09.7  48.271 N  157.456 E   33 N  4.8 4.7  1.1  82  EAST OF KURIL ISLANDS
25 15 46 25.8? 17.34  S  178.64  W  500 G  4.0      0.3   7  FIJI ISLANDS REGION
25 16 11 58.6  43.931 N   11.751 E   10 G           1.3  34  CENTRAL ITALY. ML 3.0 (LDG), 3.0 (VIE).
25 16 28 03.4* 44.423 N    8.174 E   10 G           0.6  12  NORTHERN ITALY. ML 2.5 (STR), 2.1 (LDG).
25 16 36 47.5  23.165 N  125.967 E   33 N  4.8      1.3  50  SOUTHWESTERN RYUKYU ISLANDS
25 16 43 32.0*  9.000 S   71.316 W  609 *  4.2      0.9  29  PERU-BRAZIL BORDER REGION
25 16 44 32.6   9.063 S   71.295 W  603 D  5.4      0.9 333  PERU-BRAZIL BORDER REGION. Mw 6.1 (GS), 6.0 (HRV).
                                                             Moment Tensor (GS): Dep 601; Principal axes (scale 10**18
                                                              Nm): (T) Val=1.47, Plg=16, Azm=249; (N) Val=-0.16, Plg=1,
                                                              Azm=340; (P) Val=-1.31, Plg=74, Azm=73; Best double couple:
                                                              Mo=1.4*10**18 Nm; NP1: Strike=338, Dip=29, Slip=-92; NP2:
                                                              Strike=160, Dip=61, Slip=-89.
                                                             Centroid, Moment Tensor (HRV): Centroid origin time
                                                              16:44:37.7; Lat 8.86 S; Lon 71.25 W; Dep 618.0; Half-
                                                              duration 2.4 sec; Principal axes (scale 10**18 Nm): (T)
                                                              Val=1.21, Plg=15, Azm=246; (N) Val=0.09, Plg=8, Azm=338;
                                                              (P) Val=-1.30, Plg=73, Azm=94; Best double couple:
                                                              Mo=1.3*10**18 Nm; NP1: Strike=325, Dip=31, Slip=-105; NP2:
                                                              Strike=162, Dip=61, Slip=-81.
25 17 47 29.7% 37.404 N    2.164 W   10 G           0.9   6  SPAIN. mbLg 2.9 (MDD).
25 18 27 40.8?  0.32  S  124.68  E   33 N  3.8      1.2  11  SOUTHERN MOLUCCA SEA
25 19 05 14.2? 20.42  S  178.65  W  500 G  3.9      0.7   9  FIJI ISLANDS REGION
25 19 16 01.3?  2.51  S  101.07  E   33 N           0.8   9  SOUTHERN SUMATERA, INDONESIA
25 19 25 53.9   8.993 S   71.314 W  600 D  4.9      0.8 176  WESTERN BRAZIL
25 20 07 57.7* 24.550 N  122.114 E   33 N  4.3      1.0   6  TAIWAN REGION
25 21 06 06.0* 24.718 N  123.004 E  100 G  4.2      1.0  12  SOUTHWESTERN RYUKYU ISLANDS
25 21 13 09.9* 36.080 N   70.812 E  133 *  4.1      0.6  10  HINDU KUSH REGION, AFGHANISTAN
25 21 56 38.7? 24.76  N  121.97  E   33 N  4.0      1.1   6  TAIWAN
25 22 37 43.9  51.357 N  178.034 W   33 N  4.8 4.5  0.8 108  ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR). Felt (IV) on
                                                              Adak.
25 23 29 51.9  51.709 N   16.340 E    5 G           0.7   8  POLAND. MG 2.5 (WAR).
26 00 01 18.6* 36.226 N   70.652 E  222 *  3.8      1.3  15  HINDU KUSH REGION, AFGHANISTAN
26 00 32 40.7*  7.702 S  108.170 E  100 G  4.8      1.1  33  JAWA, INDONESIA
26 01 15 39.8  17.010 N   85.521 W   10 G  4.6      1.1  45  CARIBBEAN SEA
26 01 31 34.7? 49.93  N   87.78  E   33 N  3.4      0.8   7  KAZAKHSTAN-XINJIANG BORDER REG.
26 01 49 37.6*  0.930 N  126.757 E   33 N  4.3      1.4  12  NORTHERN MOLUCCA SEA
26 02 08 57.2  51.277 N  179.533 E   33 N  6.0 6.5  1.0 434  RAT ISLANDS, ALEUTIAN ISLANDS. Mw 6.7 (HRV), 6.6 (GS). Me
                                                              6.1 (GS). ML 6.3 (PMR). Felt (IV) on Adak. This shallow-
                                                              dipping thrust earthquake is located very near the eastern
                                                              end of the rupture zone of the February 4, 1965 magnitude
                                                              8.7 (Mw) earthquake, which is also the eastern boundary of
                                                              the Rat Island block.
                                                             Broadband Source Parameters (GS): Dep 28; NP1: Strike=255,
                                                              Dip=15, Slip=90; NP2: Strike=75, Dip=75, Slip=90; Radiated
                                                              energy 3.2*10**13 Nm. Complex earthquake, with two events
                                                              occurring about 3 seconds apart. Depth based on first event.
                                                             Moment Tensor (GS): Dep 12; Principal axes (scale 10**18
                                                              Nm): (T) Val=9.08, Plg=63, Azm=323; (N) Val=-0.14, Plg=3,
                                                              Azm=60; (P) Val=-8.94, Plg=26, Azm=152; Best double couple:
                                                              Mo=9.0*10**18 Nm; NP1: Strike=250, Dip=19, Slip=101; NP2:
                                                              Strike=59, Dip=72, Slip=86.
                                                             Centroid, Moment Tensor (HRV): Centroid origin time
                                                              02:09:03.9; Lat 51.23 N; Lon 179.54 E; Dep 31.1; Half-
                                                              duration 5.2 sec; Principal axes (scale 10**19 Nm): (T)
                                                              Val=1.12, Plg=67, Azm=317; (N) Val=0.09, Plg=8, Azm=65; (P)
                                                              Val=-1.21, Plg=22, Azm=159; Best double couple:
                                                              Mo=1.2*10**19 Nm; NP1: Strike=263, Dip=24, Slip=109; NP2:
                                                              Strike=62, Dip=67, Slip=82.
                                                             Scalar Moment (PPT): Mo=2.0*10**19 Nm.
26 02 27 56.9  33.475 S   72.305 W   10 G           0.4   9  OFF COAST OF CENTRAL CHILE. MD 4.4 (SAN).
26 02 29 23.6* 51.782 N  179.567 E   33 N  4.1      1.1  20  RAT ISLANDS, ALEUTIAN ISLANDS
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26	02	32	43.8	51.372	N	179.349	E	33	N	4.7	1.0	89	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.2 (PMR).
26	02	38	33.8*	51.321	N	179.322	E	33	N	3.5	1.1	14	RAT ISLANDS, ALEUTIAN ISLANDS
26	02	47	48.3*	51.093	N	179.529	E	33	N	4.1	1.4	16	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.0 (PMR).
26	03	06	46.1*	51.757	N	179.464	E	33	N	3.9	1.4	23	RAT ISLANDS, ALEUTIAN ISLANDS
26	03	13	27.7*	37.626	N	19.706	E	10	G		1.3	19	IONIAN SEA. MD 3.4 (ATH).
26	03	13	50.5?	2.54	N	84.40	W	33	N	4.3	1.3	16	OFF COAST OF CENTRAL AMERICA
26	04	02	35.0&	37.377	N	118.579	W	9				34	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (BRK), 3.0 (GS).
26	04	22	51.6	33.386	N	35.452	E	10	G	5.0 4.6	1.2	190	JORDAN - SYRIA REGION. ML 5.6 (JER). MD 5.3 (RYD). About 50 buildings slightly damaged in the Beirut area, Lebanon. Felt throughout Lebanon. Also felt in northern and central Israel and parts of Syria.
26	05	45	11.0&	40.699	N	29.020	E	10	G		0.4	5	TURKEY. MD 2.6 (ISK).
26	05	51	09.8?	9.35	N	125.99	E	33	N		1.5	10	MINDANAO, PHILIPPINE ISLANDS
26	06	21	34.3&	45.018	N	152.148	E	33	N		1.0	8	EAST OF KURIL ISLANDS
26	07	07	43.0	46.167	N	143.269	E	250	G	4.0	0.9	27	SAKHALIN ISLAND
26	07	33	49.0&	15.159	N	59.762	W	33	N		0.6	7	LEEWARD ISLANDS. MD 3.8 (TRN).
26	08	03	38.1?	4.49	N	85.54	W	33	N		0.8	6	OFF COAST OF CENTRAL AMERICA
26	08	04	43.1?	50.90	N	179.74	E	33	N		0.8	6	RAT ISLANDS, ALEUTIAN ISLANDS
26	08	31	47.1	31.920	N	130.429	E	10	G	5.6 5.9	1.3	275	KYUSHU, JAPAN. Mw 6.1 (HRV), 6.0 (GS). At least 22 people injured, many houses damaged and landslides occurred in Kagoshima Prefecture. Railway services interrupted in Kagoshima Prefecture and airports temporarily closed at Kagoshima, Kumamoto and Miyazaki. Felt (VI JMA) at Akune, Togomachi and Tsuruda; (V JMA) at Miyanojo and Sendai; (IV JMA) at Hitoyoshi, Miyakonojo, Okuchi and Yatsushiro; (III JMA) at Kurume, Makurazaki, Miyazaki, Oita and Saga. Felt (IV JMA) at Ushibuka, Amakusa-Shimo-jima. Also felt in much of Shikoku and parts of western Honshu. Moment Tensor (GS): Dep 25; Principal axes (scale 10**18 Nm): (T) Val=1.14, Plg=7, Azm=321; (N) Val=0.18, Plg=81, Azm=176; (P) Val=-1.32, Plg=5, Azm=52; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=97, Dip=81, Slip=-2; NP2: Strike=7, Dip=88, Slip=171. Centroid, Moment Tensor (HRV): Centroid origin time 08:31:53.0; Lat 32.04 N; Lon 130.09 E; Dep 29.8; Half-duration 2.8 sec; Principal axes (scale 10**18 Nm): (T) Val=1.88, Plg=2, Azm=323; (N) Val=-0.23, Plg=88, Azm=142; (P) Val=-1.65, Plg=0, Azm=233; Best double couple: Mo=1.8*10**18 Nm; NP1: Strike=8, Dip=89, Slip=179; NP2: Strike=98, Dip=89, Slip=1.
26	08	38	58.9*	32.105	N	130.653	E	10	G	4.6	1.5	19	KYUSHU, JAPAN
26	08	47	18.1*	14.609	N	145.177	E	33	N		0.6	8	MARIANA ISLANDS
26	08	48	22.1&	39.213	N	27.221	E	10	G		0.4	5	TURKEY. MD 2.8 (ISK).
26	09	04	58.7	31.950	N	130.328	E	10	G	4.2	1.3	29	KYUSHU, JAPAN
26	09	19	16.5	34.916	N	33.059	E	53		4.1	0.9	44	CYPRUS REGION. MD 3.9 (ISK).
26	09	30	42.0	35.413	N	139.855	E	33	N	4.5	0.6	11	NEAR S. COAST OF HONSHU, JAPAN
26	09	31	37.4	54.740	N	160.345	E	75	D	4.3	1.0	60	NEAR EAST COAST OF KAMCHATKA
26	09	48	01.1	31.963	N	130.259	E	10	G		1.0	14	KYUSHU, JAPAN
26	09	55	14.2?	23.97	N	123.13	E	33	N		1.0	6	SOUTHWESTERN RYUKYU ISLANDS
26	10	22	43.2&	37.221	N	3.718	W	10	G		1.0	5	SPAIN. mbLg 2.3 (MDD).
26	10	36	43.1*	11.109	N	85.988	W	33	N	4.3	1.4	27	NICARAGUA
26	10	45	24.8&	31.962	N	130.398	E	10	G		0.3	5	KYUSHU, JAPAN
26	11	21	36.9	51.209	N	179.463	E	33	N	5.0 4.8	0.9	150	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.3 (HRV). ML 5.2 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 11:21:38.3; Lat 51.19 N; Lon 179.64 E; Dep 43.4; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.67, Plg=64, Azm=272; (N) Val=-0.79, Plg=20, Azm=50; (P) Val=-8.88, Plg=16, Azm=146; Best double couple: Mo=9.3*10**16 Nm; NP1: Strike=263, Dip=34, Slip=127; NP2: Strike=40, Dip=64, Slip=68.
26	12	07	00.5	30.837	S	177.572	W	33	N	5.0	1.0	38	KERMADEC ISLANDS, NEW ZEALAND
26	12	15	29.5	31.853	N	129.959	E	10	G	4.3	1.2	20	KYUSHU, JAPAN
26	12	17	44.6?	3.40	N	129.12	E	150	G	3.6	0.8	6	NORTH OF HALMAHERA, INDONESIA
26	12	28	53.1&	47.519	N	13.922	E	10	G		0.6	5	AUSTRIA. ML 2.2 (VIE).
26	12	35	18.2	40.083	N	21.644	E	5	G	3.6	1.1	16	GREECE. MD 3.2 (ATH).
26	12	35	52.8?	31.96	N	130.29	E	10	G		0.1	4	KYUSHU, JAPAN
26	12	38	36.2?	31.96	N	130.35	E	10	G		0.3	4	KYUSHU, JAPAN
26	12	44	11.1&	39.112	N	27.664	E	10	G		0.4	5	TURKEY. MD 2.8 (ISK).
26	12	57	04.6?	11.42	N	86.14	W	100	G	4.0	1.5	10	NEAR COAST OF NICARAGUA
26	13	09	31.7&	39.226	N	27.685	E	10	G		1.0	5	TURKEY. MD 2.7 (ISK).
26	13	20	21.9	33.738	N	35.464	E	10	G	4.7	0.9	88	JORDAN - SYRIA REGION. ML 5.0 (JER), 5.0 (BHL). MD 4.7 (ISK). Felt in parts of Lebanon. Also felt in northern and central Israel.
26	13	24	02.4	31.882	N	130.283	E	10	G	4.5	1.5	26	KYUSHU, JAPAN
26	13	48	02.1?	31.97	N	130.20	E	10	G		0.1	4	KYUSHU, JAPAN
26	13	49	31.3*	39.944	N	142.457	E	65	*		0.7	12	NEAR EAST COAST OF HONSHU, JAPAN
26	13	59	14.0*	34.260	N	26.268	E	50	G	4.2	1.2	26	CRETE
26	15	11	43.3*	7.307	S	128.860	E	100	G	3.9	0.8	9	BANDA SEA
26	15	30	19.0&	41.118	N	28.756	E	10	G		0.6	5	TURKEY. MD 2.6 (ISK).
26	15	48	46.2*	52.159	N	171.868	W	33	N		0.8	7	FOX ISLANDS, ALEUTIAN ISLANDS
26	15	57	08.7*	53.021	N	158.561	E	489	?	3.8	1.1	14	NEAR EAST COAST OF KAMCHATKA
26	16	04	13.7&	60.134	N	153.036	W	130				81	SOUTHERN ALASKA. <AEIC>.
26	16	30	22.3*	16.951	N	146.808	E	100	G	4.0	1.1	12	MARIANA ISLANDS
26	16	33	26.0?	9.82	N	73.06	W	100	G	3.4	1.1	7	NORTHERN COLOMBIA
26	16	40	25.6&	31.419	S	117.761	E	10	G		0.5	6	WESTERN AUSTRALIA
26	16	55	45.1?	47.12	N	1.89	W	5	G		0.1	4	FRANCE. ML 2.2 (LDG).
26	17	27	00.7*	35.409	N	78.429	E	33	N		0.9	11	EASTERN KASHMIR
26	17	27	40.4*	58.126	S	26.025	W	150	G	4.3	0.9	22	SOUTH SANDWICH ISLANDS REGION
26	18	03	29.6&	10.858	N	61.149	W	33	N		0.3	6	TRINIDAD. MD 3.3 (TRN).
26	18	18	34.7	2.803	N	128.237	E	127		5.7	1.0	211	HALMAHERA, INDONESIA. Mw 5.8 (GS), 5.8 (HRV). Felt at Tomohon and Tondano, Sulawesi. Moment Tensor (GS): Dep 113; Principal axes (scale 10**17

Nm): (T) Val=5.83, Plg=52, Azm=341; (N) Val=0.76, Plg=34, Azm=192; (P) Val=-6.59, Plg=15, Azm=91; Best double couple: Mo=6.2*10**17 Nm; NP1: Strike=143, Dip=42, Slip=34; NP2: Strike=27, Dip=68, Slip=127.
Centroid, Moment Tensor (HRV): Centroid origin time 18:18:39.4; Lat 2.94 N; Lon 128.25 E; Dep 31.4; Half-duration 2.0 sec; Principal axes (scale 10**17 Nm): (T) Val=6.12, Plg=47, Azm=332; (N) Val=0.30, Plg=41, Azm=174; (P) Val=-6.42, Plg=11, Azm=74; Best double couple: Mo=6.3*10**17 Nm; NP1: Strike=126, Dip=49, Slip=30; NP2: Strike=15, Dip=68, Slip=135.

26	18	31	34.9&	54.088	N	165.980	W	92				13	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>.
26	18	47	58.1&	10.849	N	61.141	W	33	N		0.1	5	TRINIDAD. MD 2.3 (TRN).
26	19	05	48.9?	37.51	N	72.24	E	185	?	3.4	1.3	12	TAJIKISTAN
26	19	21	15.2*	20.097	S	173.906	W	33	N	4.7 4.9	1.1	41	TONGA ISLANDS
26	20	19	23.0	32.046	N	130.458	E	10	G		1.4	17	KYUSHU, JAPAN. Felt (III JMA) at Miyanojo.
26	20	24	56.7*	12.776	S	166.762	E	100	G	4.1	0.9	10	SANTA CRUZ ISLANDS
26	20	43	47.5*	31.963	N	130.433	E	10	G		1.5	7	KYUSHU, JAPAN
26	21	06	48.7&	63.438	N	150.974	W	159				29	CENTRAL ALASKA. <AEIC>.
26	21	27	06.7	51.219	N	179.438	E	33	N	4.9	0.9	149	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.2 (HRV). ML 5.2 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 21:27:06.1; Lat 51.38 N; Lon 180.00 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.08, Plg=51, Azm=356; (N) Val=0.12, Plg=9, Azm=255; (P) Val=-7.20, Plg=37, Azm=158; Best double couple: Mo=7.1*10**16 Nm; NP1: Strike=205, Dip=11, Slip=39; NP2: Strike=76, Dip=83, Slip=99.
26	21	53	49.4&	44.128	N	7.093	E	5	G		0.3	5	NORTHERN ITALY. ML 2.1 (LDG).
26	22	08	50.0?	17.74	N	146.64	E	100	G		1.4	5	MARIANA ISLANDS
26	23	02	49.1?	68.13	N	160.38	W	10	G		1.2	5	NORTHERN ALASKA
26	23	05	28.8?	31.06	S	69.28	W	140	G		0.7	10	SAN JUAN PROVINCE, ARGENTINA. MD 2.7 (SAN).
26	23	05	43.6	44.110	N	7.121	E	5	G		0.5	18	NORTHERN ITALY. ML 2.1 (STR), 1.9 (LDG).
26	23	34	56.7&	44.096	N	7.111	E	5	G		0.3	6	NORTHERN ITALY. ML 1.6 (LDG).
26	23	54	04.0	51.136	N	179.471	E	33	N	4.8	0.8	95	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.2 (PMR).
27	00	16	41.9	51.235	N	179.445	E	33	N	4.8	0.8	116	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.3 (PMR).
27	00	30	30.7*	0.096	S	124.954	E	50	G	4.7	1.1	22	SOUTHERN MOLUCCA SEA
27	01	30	18.8&	44.360	N	7.286	E	5	G		0.1	9	NORTHERN ITALY. ML 2.2 (LDG).
27	01	31	19.4&	39.347	N	27.967	E	10	G		0.5	5	TURKEY. MD 2.8 (ISK).
27	02	01	03.2&	12.984	N	89.660	W	33	N		0.2	11	OFF COAST OF CENTRAL AMERICA. MD 4.0 (SSS). Felt (IV) at San Salvador, El Salvador.
27	02	09	29.1*	51.232	N	179.412	E	33	N	4.2	0.9	18	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.0 (PMR).
27	02	17	34.5&	37.850	N	2.560	W	10	G		1.0	7	SPAIN. mbLg 2.7 (MDD).
27	02	38	49.9*	6.500	N	127.083	E	33	N	4.1	0.8	5	PHILIPPINE ISLANDS REGION
27	02	52	54.0&	46.349	N	6.295	E	5	G		0.9	12	SWITZERLAND. ML 2.2 (LDG).
27	03	12	17.1?	51.21	N	179.38	E	33	N	3.7	1.4	13	RAT ISLANDS, ALEUTIAN ISLANDS
27	03	14	37.8?	12.88	N	89.67	W	33	N		0.6	9	OFF COAST OF CENTRAL AMERICA. Felt (III) at San Salvador, El Salvador.
27	03	33	20.8*	19.835	S	178.049	W	400	G	3.7	0.8	10	FIJI ISLANDS REGION
27	03	43	24.2	50.146	N	14.120	E	10	G		1.2	7	CZECH AND SLOVAK REPUBLICS. ML 2.8 (VIE).
27	03	48	00.6?	51.26	N	179.37	E	33	N	3.3	1.0	8	RAT ISLANDS, ALEUTIAN ISLANDS
27	03	52	33.1&	31.395	S	117.798	E	10	G		1.2	9	WESTERN AUSTRALIA
27	03	56	59.5?	45.30	N	6.51	E	5	G		0.2	4	FRANCE. ML 1.6 (LDG).
27	04	13	04.3	22.039	S	176.501	W	139	D	5.0	0.9	70	SOUTH OF FIJI ISLANDS
27	04	43	03.6*	38.591	N	24.701	E	10	G		1.5	10	AEGEAN SEA. MD 3.3 (ATH), 3.2 (ISK).
27	04	46	08.2?	3.01	N	131.48	E	33	N		0.9	5	WESTERN CAROLINE ISLANDS
27	05	46	11.1*	19.175	N	63.000	W	33	N	3.3	1.0	5	LEEWARD ISLANDS. MD 3.6 (TRN).
27	06	02	37.9	47.274	N	11.615	E	5	G		1.3	10	AUSTRIA. ML 2.7 (FUR), 2.3 (VIE).
27	06	09	34.3	44.820	N	10.498	E	5	G		0.9	24	NORTHERN ITALY. ML 3.0 (VIE), 2.8 (LDG).
27	06	14	09.8&	59.419	N	150.812	W	38				40	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
27	06	14	16.2&	31.410	S	117.869	E	10	G		0.9	7	WESTERN AUSTRALIA
27	07	00	44.4?	11.41	N	145.02	E	33	N	3.7	0.9	7	SOUTH OF MARIANA ISLANDS
27	07	20	34.7	22.263	S	68.497	W	122	D	4.4	1.0	32	NORTHERN CHILE
27	07	58	03.2&	31.408	S	117.860	E	10	G		0.7	7	WESTERN AUSTRALIA
27	08	25	48.2?	39.14	N	27.41	E	10	G		1.0	4	TURKEY. MD 2.8 (ISK).
27	08	43	42.8?	39.75	N	29.46	E	10	G		0.5	4	TURKEY. MD 2.6 (ISK).
27	09	12	01.8&	38.658	N	1.130	W	10	G		0.6	8	SPAIN. mbLg 2.9 (MDD). Felt (III) in the Yecla area.
27	09	26	24.5?	51.34	N	179.63	E	33	N	3.8	1.6	6	RAT ISLANDS, ALEUTIAN ISLANDS
27	09	37	32.4&	16.963	N	100.033	W	10	G		0.8	6	NEAR COAST OF GUERRERO, MEXICO
27	10	02	09.4*	23.800	S	179.840	E	550	G	4.5	1.0	14	SOUTH OF FIJI ISLANDS
27	10	02	16.2	4.006	N	82.452	W	10	G	5.0 4.5	0.9	119	SOUTH OF PANAMA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:02:20.7; Lat 4.01 N Fix; Lon 82.45 W Fix; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=8.67, Plg=32, Azm=305; (N) Val=-0.08, Plg=52, Azm=160; (P) Val=-8.59, Plg=17, Azm=46; Best double couple: Mo=8.6*10**16 Nm; NP1: Strike=90, Dip=54, Slip=12; NP2: Strike=353, Dip=80, Slip=143.
27	10	05	32.1	55.230	N	165.401	E	65	D	4.1	0.7	26	KOMANDORSKY ISLANDS REGION
27	10	10	45.2&	38.150	N	121.938	W	21				10	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). Felt at Concord, Fairfield and Pittsburg.
27	10	23	07.3	51.261	N	179.477	E	33	N	4.4	1.0	43	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR).
27	10	26	35.3&	38.149	N	121.934	W	22				9	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.7 (GS).
27	10	42	26.3	51.232	N	179.338	E	33	N	5.0 5.1	1.1	168	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.6 (HRV). ML 5.4 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 10:42:29.3; Lat 51.15 N; Lon 179.63 E; Dep 18.5; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.82, Plg=65, Azm=313; (N) Val=0.22, Plg=9, Azm=63; (P) Val=-3.04, Plg=23, Azm=157; Best double couple: Mo=2.9*10**17 Nm; NP1: Strike=265, Dip=24, Slip=113; NP2: Strike=60, Dip=68, Slip=80.
27	10	55	05.0*	51.044	N	179.480	E	33	N	4.2	1.0	17	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.0 (PMR).
27	11	06	57.7	51.120	N	179.397	E	33	N	4.3	0.9	28	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.4 (PMR).
27	11	11	24.5&	38.149	N	121.941	W	22				8	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.5 (GS).

27	11	15	43.5*	48.257	N	9.909	E	10	G			0.4	8	GERMANY. ML 2.6 (VIE).
27	11	16	38.1	51.127	N	179.540	E	33	N	4.5		0.9	61	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
27	11	30	07.0&	38.147	N	121.945	W	21					25	NORTHERN CALIFORNIA. <GM-P>. MD 3.4 (GM). ML 3.3 (BRK), 3.2 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.
27	11	34	22.4*	37.280	N	71.945	E	150	G			0.1	5	AFGHANISTAN-TAJIKISTAN BORD REG.
27	11	37	38.6?	51.00	N	179.37	E	33	N	4.0		1.4	14	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.0 (PMR).
27	11	43	01.9?	50.90	N	179.40	E	33	N	4.0		1.4	8	RAT ISLANDS, ALEUTIAN ISLANDS
27	12	07	47.2?	0.67	N	128.86	E	33	N			1.0	5	HALMAHERA, INDONESIA
27	12	08	04.6	51.157	N	179.533	E	33	N	4.5		1.0	35	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR).
27	12	10	00.7	51.065	N	179.492	E	33	N	4.5		1.0	37	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.4 (PMR).
27	12	13	03.4*	51.159	N	179.552	E	33	N	4.3		1.2	12	RAT ISLANDS, ALEUTIAN ISLANDS
27	12	16	55.8?	39.15	N	27.51	E	10	G			0.0	4	TURKEY. MD 2.8 (ISK).
27	12	17	33.7*	51.219	N	179.511	E	33	N	3.9		1.3	22	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.2 (PMR).
27	12	41	24.5*	50.942	N	179.563	E	33	N	4.3		1.0	23	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.2 (PMR).
27	12	49	16.9?	0.20	S	126.94	E	33	N	3.8		0.7	8	SOUTHERN MOLUCCA SEA
27	13	33	08.1*	2.622	N	128.727	E	33	N	4.0		1.1	8	HALMAHERA, INDONESIA
27	13	35	40.6?	51.09	N	179.63	E	33	N	4.1		1.2	11	RAT ISLANDS, ALEUTIAN ISLANDS
27	13	38	08.8&	38.148	N	121.934	W	21					22	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.0 (BRK), 3.0 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.
27	14	01	24.2&	38.147	N	121.936	W	21					23	NORTHERN CALIFORNIA. <GM-P>. MD 3.4 (GM). ML 3.2 (BRK), 3.0 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.
27	14	16	11.1	39.817	N	143.681	E	33	N	4.9		0.9	45	OFF EAST COAST OF HONSHU, JAPAN
27	14	58	43.3*	39.835	N	143.640	E	33	N	4.4		1.0	15	OFF EAST COAST OF HONSHU, JAPAN
27	15	03	27.6*	2.969	N	128.312	E	50	G	4.3		1.3	12	HALMAHERA, INDONESIA
27	15	39	49.0&	38.147	N	121.947	W	21					36	NORTHERN CALIFORNIA. <GM-P>. MD 3.7 (GM). ML 3.5 (BRK), 3.4 (GS). Felt at Concord, Fairfield, Martinez, Pittsburg and as far as San Francisco.
27	16	55	27.8	43.102	N	0.628	W	10	G			0.3	7	PYRENEES. ML 1.9 (LDG), 1.2 (STR). Quarry blast.
27	16	58	16.4&	31.422	S	117.881	E	10	G	4.6		0.8	7	WESTERN AUSTRALIA
27	17	01	39.7*	5.430	S	142.400	E	33	N	4.5		1.1	13	NEW GUINEA, PAPUA NEW GUINEA
27	17	16	42.8&	38.155	N	121.948	W	23					7	NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM). Felt at Concord, Fairfield and Pittsburg.
27	17	35	06.5	19.307	N	145.694	E	133	*	4.6		1.1	65	MARIANA ISLANDS
27	17	48	41.7	35.353	N	78.253	E	33	N	4.6		1.0	43	EASTERN KASHMIR
27	17	51	52.7*	32.088	N	130.370	E	10	G	3.6		1.5	16	KYUSHU, JAPAN
27	18	01	43.1&	38.152	N	121.946	W	22					17	NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.0 (BRK), 2.9 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.
27	18	16	02.1*	45.399	N	26.159	E	144				1.1	17	ROMANIA
27	18	38	16.2?	50.78	N	179.52	E	33	N	3.1		1.5	6	RAT ISLANDS, ALEUTIAN ISLANDS
27	18	56	18.7	31.941	N	130.327	E	10	G			0.6	8	KYUSHU, JAPAN
27	19	05	28.6?	32.15	S	177.37	W	33	N	4.3		1.1	10	SOUTH OF KERMADEC ISLANDS
27	19	33	54.8	6.805	S	155.270	E	76	*	4.4		0.9	38	SOLOMON ISLANDS
27	19	37	36.2&	33.460	S	70.794	W	80	G			0.3	8	CHILE-ARGENTINA BORDER REGION
27	20	02	19.0?	15.35	N	120.11	E	33	N			0.8	5	LUZON, PHILIPPINE ISLANDS
27	20	32	07.6*	24.662	N	122.245	E	56	*	4.1		0.8	14	TAIWAN REGION
27	20	34	56.2*	54.683	N	161.137	E	33	N	3.6		1.0	9	NEAR EAST COAST OF KAMCHATKA
27	20	40	59.2	30.171	N	131.645	E	10	G	3.9		1.1	14	KYUSHU, JAPAN
27	21	15	27.0*	6.662	S	154.568	E	200	G	4.3		1.5	18	SOLOMON ISLANDS
27	21	31	48.1*	4.005	S	135.494	E	33	N	4.1		1.2	8	IRIAN JAYA REGION, INDONESIA
27	21	38	02.8?	1.67	S	145.23	E	33	N	3.9		0.4	5	ADMIRALTY ISLANDS REGION, P.N.G.
27	21	39	42.0	51.718	N	16.112	E	5	G			0.8	27	POLAND. ML 4.1 (GRF), 3.7 (VIE).
27	21	42	16.7&	37.807	N	2.534	W	10	G			0.7	5	SPAIN. mbLg 2.7 (MDD).
27	21	47	33.8?	19.94	N	122.23	E	33	N	4.3		0.6	6	PHILIPPINE ISLANDS REGION
27	21	48	41.9*	43.994	N	148.009	E	100	G			0.6	7	EAST OF KURIL ISLANDS
27	22	05	02.6&	37.101	N	3.585	W	10	G			1.5	5	SPAIN. mbLg 2.0 (MDD).
27	22	44	00.4*	20.724	S	178.283	W	500	G	4.3		1.0	20	FIJI ISLANDS REGION
27	22	47	53.0&	38.149	N	121.939	W	22					22	NORTHERN CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.4 (BRK), 3.3 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.
27	22	53	07.6&	38.149	N	121.941	W	22					23	NORTHERN CALIFORNIA. <GM-P>. MD 3.4 (GM). ML 3.2 (BRK), 3.1 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.
27	23	47	59.6	55.511	S	27.683	W	33	N	5.0	4.7	1.1	55	SOUTH SANDWICH ISLANDS REGION
28	00	08	49.8*	5.889	S	146.460	E	100	G	3.5		0.9	10	EASTERN NEW GUINEA REG., P.N.G.
28	00	27	07.5*	5.345	S	102.248	E	33	N	4.6		1.0	13	SOUTHERN SUMATERA, INDONESIA
28	00	44	39.9&	37.042	N	3.917	W	10	G			0.5	6	SPAIN. mbLg 2.5 (MDD).
28	00	54	43.5&	36.248	N	139.773	E	33	N			0.4	6	EASTERN HONSHU, JAPAN
28	01	58	23.7&	61.787	N	150.207	W	0					55	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.5 (PMR).
28	02	01	09.6?	13.36	N	89.51	W	100	G	3.9		1.5	18	EL SALVADOR
28	03	14	46.7?	13.64	N	89.45	W	100	G	4.0		1.4	10	EL SALVADOR
28	03	45	17.8?	36.59	N	7.55	W	50	G			0.6	7	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
28	04	01	22.8&	40.691	N	29.719	E	10	G			0.1	6	TURKEY. MD 3.0 (ISK).
28	04	26	31.5&	37.305	N	122.099	W	6					9	CENTRAL CALIFORNIA. <GM-P>. MD 2.5 (GM). Felt in the epicentral area.
28	04	32	02.0&	33.921	S	70.699	W	80	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
28	04	33	18.6?	19.76	S	179.70	E	600	G	4.0		1.1	13	SOUTH OF FIJI ISLANDS
28	04	47	24.2&	32.964	S	72.224	W	5	G			0.4	9	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
28	04	55	14.0?	54.22	S	133.79	W	10	G	4.4		0.9	13	PACIFIC-ANTARCTIC RIDGE
28	05	15	09.3	4.615	S	153.130	E	33	N	4.9	4.4	0.9	123	NEW IRELAND REGION, P.N.G.
28	05	24	33.6*	4.460	S	153.214	E	33	N	4.2		0.7	10	NEW IRELAND REGION, P.N.G.
28	05	42	27.2&	62.920	N	148.225	W	67					55	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 2.9 (PMR).
28	06	08	13.1	51.238	N	179.436	E	33	N	4.7		1.1	68	RAT ISLANDS, ALEUTIAN ISLANDS
28	06	20	34.2	39.376	N	143.518	E	33	N	4.2		1.1	25	OFF EAST COAST OF HONSHU, JAPAN
28	06	48	11.0&	58.008	N	156.931	W	151		2.7			45	ALASKA PENINSULA. <AEIC>.
28	07	14	58.5?	51.10	N	178.95	E	33	N	3.8		0.7	7	RAT ISLANDS, ALEUTIAN ISLANDS
28	07	22	31.5?	16.44	S	173.41	W	33	N			0.2	5	TONGA ISLANDS
28	07	28	02.0&	45.201	N	120.056	W	2					36	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.6 (SEA).
28	07	28	38.7*	0.040	S	16.812	W	10	G	4.5		1.4	13	NORTH OF ASCENSION ISLAND
28	07	52	21.7*	5.439	S	144.303	E	100	G	4.0		1.4	8	NEW GUINEA, PAPUA NEW GUINEA
28	08	15	11.0*	49.945	N	157.386	E	33	N	4.3		1.1	25	EAST OF KURIL ISLANDS
28	08	30	52.7?	34.83	S	71.28	W	70	G			0.2	8	NEAR COAST OF CENTRAL CHILE. MD 2.9 (SAN).
28	08	40	59.5&	33.441	S	70.765	W	80	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
28	08	46	57.2?	39.10	N	27.59	E	10	G			0.2	4	TURKEY. MD 2.7 (ISK).
28	08	54	56.5&	33.685	S	71.358	W	50	G			0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
28	09	14	38.0?	39.10	N	27.63	E	10	G			0.8	4	TURKEY. MD 2.8 (ISK).

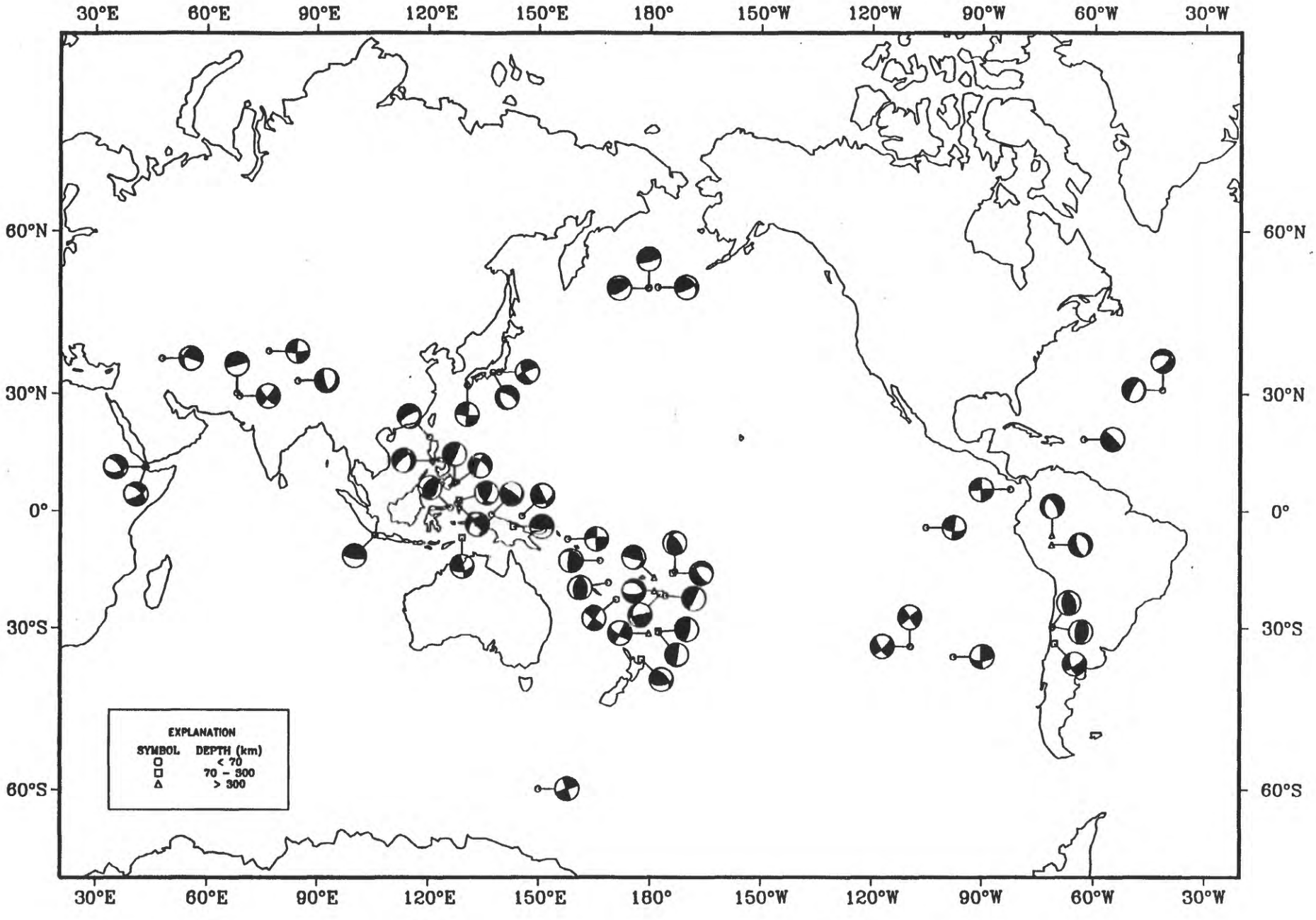
28	09	22	01.4*	7.629	N	127.684	E	50	G	3.9		1.1	7	PHILIPPINE ISLANDS REGION
28	09	24	24.7&	7.618	N	127.490	E	50	G			1.0	5	PHILIPPINE ISLANDS REGION
28	09	45	42.8*	55.700	N	163.232	W	159	*	3.7		1.5	20	UNIMAK ISLAND REGION
28	10	12	19.0	50.576	N	18.818	E	10	G			1.0	6	POLAND. MG 2.9 (WAR).
28	10	13	45.1	36.113	N	139.865	E	69		3.8		0.8	22	EASTERN HONSHU, JAPAN
28	10	13	56.4&	44.431	N	7.450	E	5	G			0.4	7	NORTHERN ITALY. ML 2.3 (LDG).
28	10	30	30.3?	40.56	N	29.30	E	10	G			0.8	4	TURKEY. MD 2.6 (ISK).
28	10	41	27.0?	35.24	S	71.14	W	110	G			0.3	9	CENTRAL CHILE. MD 3.1 (SAN).
28	10	43	08.5?	21.00	S	178.63	W	600	G	4.4		1.0	13	FIJI ISLANDS REGION
28	10	48	08.0*	44.326	N	8.286	E	5	G			0.9	12	NORTHERN ITALY. ML 2.2 (LDG), 2.0 (STR).
28	11	02	23.6	5.665	S	150.927	E	53	D	5.0		0.9	35	NEW BRITAIN REGION, P.N.G.
28	11	57	57.8?	39.20	N	27.51	E	10	G			0.3	4	TURKEY. MD 2.8 (ISK).
28	11	59	13.9	41.571	N	142.505	E	66	D	4.1		1.2	33	HOKKAIDO, JAPAN REGION
28	12	20	27.9*	7.171	S	128.946	E	100	G	4.0		0.5	10	BANDA SEA
28	13	25	04.5?	17.00	S	173.60	W	200	G	4.1		1.4	19	TONGA ISLANDS
28	13	48	38.5?	18.93	S	168.86	E	150	G	4.2		0.5	7	VANUATU ISLANDS
28	14	10	09.8*	6.953	S	130.393	E	100	G	4.2		1.3	11	BANDA SEA
28	14	33	57.0*	15.314	N	144.730	E	32		4.3	4.2	0.7	17	MARIANA ISLANDS REGION
28	15	27	49.1*	2.009	N	128.059	E	150	G	4.0		1.1	17	HALMAHERA, INDONESIA
28	15	44	29.8?	24.07	S	179.43	E	600	G	4.2		0.9	11	SOUTH OF FIJI ISLANDS
28	16	09	31.7?	37.77	N	2.56	W	10	G			0.6	5	SPAIN. mbLg 2.6 (MDD).
28	16	15	14.4*	36.306	N	70.400	E	226	*	3.6		0.6	14	HINDU KUSH REGION, AFGHANISTAN
28	16	18	07.7*	51.231	N	179.615	E	33	N	4.0		1.1	18	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
28	16	19	07.7?	36.08	N	68.82	E	100	G			0.2	5	HINDU KUSH REGION, AFGHANISTAN
28	16	23	05.1*	26.961	N	55.185	E	50	G	3.8		0.6	10	SOUTHERN IRAN
28	17	20	59.8*	43.058	N	127.923	W	10	G	2.7		0.8	49	OFF COAST OF OREGON
28	18	59	20.8&	47.805	N	6.294	E	5	G			0.6	6	FRANCE. ML 2.1 (LDG).
28	19	08	34.8*	34.472	N	141.721	E	33	N			0.6	9	OFF EAST COAST OF HONSHU, JAPAN
28	19	21	21.0	39.432	N	143.349	E	33	N	4.8	4.5	1.1	67	OFF EAST COAST OF HONSHU, JAPAN
28	20	54	18.1?	10.57	N	62.77	W	100	G	3.7		1.2	16	NEAR COAST OF VENEZUELA
28	21	25	21.3?	22.50	S	177.69	W	250	G	4.0		1.5	18	SOUTH OF FIJI ISLANDS
28	21	52	25.9	30.078	N	67.989	E	33	N	4.1		0.9	28	PAKISTAN. Felt at Quetta.
28	22	27	39.9*	30.234	N	68.004	E	33	N	3.9		1.2	22	PAKISTAN. Felt at Quetta.
28	22	40	25.2	17.805	S	178.952	W	554	D	5.0		0.9	145	FIJI ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:40:35.1; Lat 17.20 S; Lon 179.04 W; Dep 557.9; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.15, Plg=45, Azm=343; (N) Val=-0.20, Plg=29, Azm=107; (P) Val=-0.95, Plg=31, Azm=216; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=0, Dip=30, Slip=165; NP2: Strike=102, Dip=83, Slip=61.
28	22	54	34.8?	40.69	N	29.83	E	10	G			0.9	6	TURKEY. MD 2.8 (ISK).
28	22	57	10.0*	23.458	S	175.603	W	33	N	4.3		1.0	22	TONGA ISLANDS REGION
28	23	23	14.9?	43.69	N	7.29	E	5	G			0.6	4	NEAR SOUTH COAST OF FRANCE. ML 1.6 (LDG).
29	00	33	57.9&	17.190	N	100.936	W	33	N			1.1	6	GUERRERO, MEXICO
29	02	35	43.1?	14.76	N	126.75	E	33	N	4.2		0.2	5	PHILIPPINE ISLANDS REGION
29	03	29	32.8?	24.24	S	179.76	E	550	G	4.3		0.8	17	SOUTH OF FIJI ISLANDS
29	05	00	59.9&	63.506	N	147.270	W	8					58	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 3.0 (PMR).
29	05	04	27.4?	19.84	S	178.78	E	500	G	4.5		0.9	12	SOUTH OF FIJI ISLANDS
29	05	15	09.9	51.723	N	16.277	E	5	G			1.1	12	POLAND. ML 3.4 (GRF), 3.2 (VIE).
29	05	31	03.8	14.583	N	146.887	E	33	N	4.3		1.0	25	MARIANA ISLANDS
29	05	31	05.9*	22.248	S	179.436	W	500	G	4.4		1.1	25	SOUTH OF FIJI ISLANDS
29	05	43	44.6&	40.054	N	28.657	E	10	G			0.5	6	TURKEY. MD 2.7 (ISK).
29	05	45	45.7	50.744	N	129.486	W	10	G			0.8	43	VANCOUVER ISLAND REGION
29	07	33	34.6*	30.011	N	139.072	E	429				0.3	11	SOUTH OF HONSHU, JAPAN
29	07	50	18.9?	7.26	S	125.68	E	453	?	4.4		0.9	12	BANDA SEA
29	08	09	08.5*	5.299	S	146.644	E	33	N	3.6		1.2	8	EASTERN NEW GUINEA REG., P.N.G.
29	08	17	25.9?	31.68	S	69.80	W	150	G			0.3	11	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
29	09	13	32.4*	23.014	S	175.494	W	33	N	4.4		1.1	23	TONGA ISLANDS REGION
29	09	15	13.0?	22.85	S	175.54	W	33	N			1.3	18	TONGA ISLANDS REGION
29	09	46	01.9&	38.745	N	119.655	W	8					23	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.3 (BRK), 3.3 (GS).
29	10	27	47.4	25.714	N	128.911	E	33	N	4.4		0.9	28	RYUKYU ISLANDS
29	10	43	39.8*	36.298	S	97.059	W	10	G			1.0	12	WEST CHILE RISE
29	10	57	31.4?	16.62	S	167.30	E	33	N	4.3		1.1	9	VANUATU ISLANDS
29	11	24	41.8*	12.269	N	125.275	E	33	N	4.2		0.6	12	SAMAR, PHILIPPINE ISLANDS
29	11	55	38.6	43.772	N	148.409	E	33	N	4.7		1.0	69	EAST OF KURIL ISLANDS
29	12	13	49.9?	17.46	S	167.54	E	33	N	4.5		1.2	8	VANUATU ISLANDS
29	12	30	20.7&	37.283	N	3.635	W	10	G			0.9	6	SPAIN. mbLg 2.1 (MDD).
29	12	54	39.5?	32.44	S	71.39	W	20	G			0.7	10	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
29	13	18	31.6&	39.337	N	27.987	E	10	G			1.4	5	TURKEY. MD 2.7 (ISK).
29	14	02	01.5*	35.407	N	78.357	E	33	N	3.4		0.9	13	EASTERN KASHMIR
29	14	02	02.2&	61.711	N	151.127	W	76		3.1			103	SOUTHERN ALASKA. <AEIC>.
29	14	20	04.8*	16.489	S	69.756	W	183		4.3		0.9	18	PERU-BOLIVIA BORDER REGION
29	14	26	07.9&	61.384	N	150.119	W	43					75	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
29	14	57	27.8	34.982	N	26.891	E	63	*	3.9		1.2	27	CRETE. MD 3.9 (ATH), 3.8 (ISK).
29	16	26	00.1	31.201	S	68.706	W	115	D	4.6		0.9	50	SAN JUAN PROVINCE, ARGENTINA. MD 4.6 (SAN).
29	17	43	41.5	29.580	N	68.642	E	33	N	4.3		0.5	27	PAKISTAN
29	18	16	22.4&	60.409	N	152.291	W	84					63	SOUTHERN ALASKA. <AEIC>.
29	18	24	55.0*	4.234	S	139.839	E	33	N	5.1		1.5	19	IRIAN JAYA, INDONESIA
29	20	37	47.9?	17.62	S	174.47	E	33	N	4.2		0.3	6	FIJI ISLANDS REGION
29	21	07	24.1&	37.260	N	3.678	W	10	G			0.6	9	SPAIN. mbLg 2.6 (MDD).
29	21	20	58.3?	40.72	N	29.96	E	10	G			0.4	7	TURKEY. MD 3.5 (ISK).
29	21	50	48.7*	5.075	S	129.726	E	200	G	4.7		1.1	12	BANDA SEA
29	21	59	14.7?	42.57	N	143.14	E	33	N			1.6	5	HOKKAIDO, JAPAN REGION
29	23	37	10.0&	38.017	N	28.932	E	10	G			0.6	5	TURKEY. MD 3.3 (ISK).
29	23	49	21.5&	46.906	N	1.254	W	10	G			0.5	6	FRANCE. ML 1.9 (LDG).
30	02	03	45.4	45.334	N	0.239	W	5	G			1.0	27	FRANCE. ML 3.1 (LDG), 2.9 (STR).
30	02	53	43.3*	39.073	N	144.165	E	33	N			1.3	13	OFF EAST COAST OF HONSHU, JAPAN
30	03	14	46.3?	3.76	S	148.58	E	33	N	3.3		1.1	8	BISMARCK SEA
30	03	30	48.1*	25.331	S	67.238	W	50	G	3.9		1.1	8	CATAMARCA PROVINCE, ARGENTINA
30	03	44	59.1&	34.158	N	116.423	W	2					5	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.6 (PAS). Felt at Yucca Valley.

30	04	08	44.8*	19.189	S	168.987	E	33	N	4.3	0.9	16	VANUATU ISLANDS
30	04	11	36.8&	45.342	N	0.178	W	10	G		1.0	8	FRANCE. ML 2.1 (LDG).
30	04	18	02.8*	47.657	N	16.043	E	5	G		0.7	12	AUSTRIA. ML 3.2 (CLL), 3.1 (VIE), 2.8 (FUR). Felt (IV) at Ternitz.
30	04	36	16.4*	52.144	N	173.849	W	33	N	4.1	1.2	30	ANDREANOF ISLANDS, ALEUTIAN IS.
30	04	46	06.5*	29.162	S	178.165	W	33	N	4.5	0.9	12	KERMADEC ISLANDS, NEW ZEALAND
30	04	46	59.4	33.010	N	141.187	E	33	N	4.5	0.7	11	OFF EAST COAST OF HONSHU, JAPAN
30	04	49	23.0?	28.91	S	177.60	W	33	N	4.4	1.0	11	KERMADEC ISLANDS REGION
30	05	00	14.7*	44.401	N	149.439	E	74	*	4.4	0.9	43	KURIL ISLANDS
30	05	45	27.5?	32.08	S	70.03	W	120	G		0.3	7	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
30	06	11	54.9?	2.56	N	128.53	E	33	N	3.6	1.6	6	HALMAHERA, INDONESIA
30	06	50	44.9	50.814	N	129.310	W	10	G	4.1	1.0	56	VANCOUVER ISLAND REGION
30	07	20	13.4*	36.906	N	95.507	E	33	N		1.1	12	QINGHAI, CHINA
30	07	28	04.6*	5.590	S	102.444	E	33	N	4.6	1.0	10	SOUTHERN SUMATERA, INDONESIA
30	07	33	39.6?	39.12	N	27.58	E	10	G		0.6	4	TURKEY. MD 2.7 (ISK).
30	08	24	03.3&	33.143	N	118.674	W	9				29	SOUTHERN CALIFORNIA. <PAS-P>. MD 3.4 (PAS).
30	08	38	27.4	16.249	S	173.341	W	33	N	5.0 5.5	1.0	114	TONGA ISLANDS. Mw 5.7 (GS), 5.7 (HRV). Moment Tensor (GS): Dep 26; Principal axes (scale 10**17 Nm): (T) Val=3.57, Plg=59, Azm=188; (N) Val=0.21, Plg=27, Azm=333; (P) Val=-3.79, Plg=16, Azm=71; Best double couple: Mo=3.7*10**17 Nm; NP1: Strike=194, Dip=37, Slip=137; NP2: Strike=320, Dip=66, Slip=61. Centroid, Moment Tensor (HRV): Centroid origin time 08:38:33.0; Lat 16.23 S; Lon 172.87 W; Dep 19.7; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.76, Plg=67, Azm=215; (N) Val=0.51, Plg=10, Azm=329; (P) Val=-4.26, Plg=20, Azm=63; Best double couple: Mo=4.0*10**17 Nm; NP1: Strike=169, Dip=26, Slip=112; NP2: Strike=325, Dip=66, Slip=80.
30	09	12	19.5*	2.067	N	127.580	E	33	N	4.3	1.0	15	NORTHERN MOLUCCA SEA
30	10	36	55.7?	30.24	S	177.11	W	33	N	4.5	0.8	9	KERMADEC ISLANDS, NEW ZEALAND
30	10	38	44.5	5.588	N	73.891	W	136		4.4	0.9	29	COLOMBIA
30	10	49	55.3	18.451	N	147.329	E	33	N	4.5	1.4	32	MARIANA ISLANDS REGION
30	10	50	39.1*	44.381	N	9.997	E	5	G		1.0	21	NORTHERN ITALY. ML 2.7 (STR), 2.6 (LDG).
30	11	35	52.0?	30.64	S	177.50	W	200	G	4.1	0.9	13	KERMADEC ISLANDS, NEW ZEALAND
30	12	00	57.9*	16.277	N	98.291	W	33	N	4.4	1.4	40	NEAR COAST OF GUERRERO, MEXICO
30	12	06	54.0*	18.510	N	147.034	E	33	N	3.9	0.7	12	MARIANA ISLANDS REGION
30	12	57	44.2	37.661	N	19.920	E	33	N	4.3	1.2	134	IONIAN SEA. ML 4.3 (THE), 4.3 (ATH).
30	13	08	50.2*	33.857	N	136.938	E	400	G	3.9	1.5	19	NEAR S. COAST OF WESTERN HONSHU
30	14	05	40.1	21.978	S	177.197	W	217	D	5.3	0.8	216	FIJI ISLANDS REGION. Mw 5.4 (HRV), 5.3 (GS). Moment Tensor (GS): Dep 206; Principal axes (scale 10**16 Nm): (T) Val=9.94, Plg=19, Azm=140; (N) Val=-0.46, Plg=47, Azm=251; (P) Val=-9.48, Plg=37, Azm=34; Best double couple: Mo=9.7*10**16 Nm; NP1: Strike=183, Dip=49, Slip=-165; NP2: Strike=83, Dip=79, Slip=-42. Centroid, Moment Tensor (HRV): Centroid origin time 14:05:43.0; Lat 22.06 S; Lon 176.88 W; Dep 219.4; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.39, Plg=37, Azm=141; (N) Val=0.25, Plg=32, Azm=259; (P) Val=-1.64, Plg=37, Azm=17; Best double couple: Mo=1.5*10**17 Nm; NP1: Strike=169, Dip=32, Slip=-180; NP2: Strike=79, Dip=90, Slip=-58.
30	15	36	07.5*	39.688	N	20.119	E	33	N		1.6	10	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH).
30	16	01	05.5&	43.730	N	7.245	E	10	G		0.9	9	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG).
30	16	08	55.0&	37.041	N	3.939	W	10	G		0.3	7	SPAIN. mbLg 2.5 (MDD).
30	16	23	36.7?	30.97	S	177.74	W	150	G	4.2	0.7	12	KERMADEC ISLANDS, NEW ZEALAND
30	17	19	59.5	40.054	N	23.661	E	10	G		0.6	10	GREECE. MD 3.1 (ATH).
30	17	27	18.5?	5.00	S	145.68	E	33	N	3.7	1.5	7	EASTERN NEW GUINEA REG., P.N.G.
30	18	49	09.8?	4.49	S	126.62	E	33	N	3.8	0.8	5	BANDA SEA
30	18	52	09.3?	32.96	S	178.80	W	33	N	4.9	1.0	16	SOUTH OF KERMADEC ISLANDS
30	19	13	18.3*	29.222	N	131.162	E	33	N	4.3 4.2	1.3	19	SOUTHEAST OF RYUKYU ISLANDS
30	19	27	55.2*	7.118	N	82.135	W	33	N	3.7	0.8	16	SOUTH OF PANAMA
30	19	33	39.4&	46.398	N	3.449	E	10	G		0.2	6	FRANCE. ML 1.9 (LDG).
30	19	47	52.8&	46.407	N	3.454	E	10	G		0.3	6	FRANCE. ML 1.4 (LDG).
30	20	13	47.6&	59.238	N	154.029	W	0				15	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
30	20	23	23.6?	33.41	S	179.20	W	33	N	4.3	0.8	8	SOUTH OF KERMADEC ISLANDS
30	20	53	48.5	41.410	N	73.221	E	33	N	4.1	0.8	22	KYRGYZSTAN
30	20	58	28.5	36.887	N	27.858	E	10	G		1.3	8	DODECANESE ISLANDS. MD 3.9 (ATH), 3.6 (ISK).
30	20	58	28.6&	46.214	N	3.500	E	20	G		0.6	6	FRANCE. ML 1.4 (LDG).
30	23	05	57.3	51.369	N	176.090	W	33	N	5.4 4.9	0.9	330	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.5 (HRV). ML 5.5 (PMR). Felt on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 23:05:57.8; Lat 51.20 N; Lon 177.75 W; Dep 46.7; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=1.83, Plg=48, Azm=304; (N) Val=0.17, Plg=29, Azm=71; (P) Val=-1.99, Plg=28, Azm=179; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=317, Dip=32, Slip=158; NP2: Strike=65, Dip=79, Slip=60.
30	23	41	46.1*	36.214	N	71.010	E	150	G	3.2	0.8	10	AFGHANISTAN-TAJIKISTAN BORD REG.
31	00	45	21.8	43.893	N	7.700	E	10	G		0.7	14	NEAR SOUTH COAST OF FRANCE. ML 2.1 (GEN), 1.8 (LDG).
31	01	11	51.3*	33.478	S	72.383	W	10	G		0.4	11	OFF COAST OF CENTRAL CHILE. MD 4.5 (SAN).
31	01	14	55.2*	0.216	N	123.692	E	120	?	4.5	0.8	17	MINAHASSA PENINSULA, SULAWESI
31	01	29	56.0&	38.037	N	1.262	W	10	G		0.9	7	SPAIN. mbLg 2.5 (MDD).
31	02	01	42.6&	52.760	N	116.168	W	0		4.1		43	ALBERTA, CANADA. <PGC-P>. ML 4.2 (PGC).
31	02	07	47.3&	44.300	N	6.115	E	5	G		0.6	5	FRANCE. ML 1.5 (LDG).
31	02	14	51.4*	41.141	N	20.541	E	10	G		0.7	6	ALBANIA. MD 2.9 (ATH). ML 2.7 (SKO).
31	02	30	08.8&	37.515	N	2.627	W	10	G		0.7	9	SPAIN. mbLg 2.7 (MDD).
31	02	42	45.1?	32.49	S	70.08	W	120	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
31	03	22	49.5*	15.086	S	167.631	E	100	G	4.6	1.2	16	VANUATU ISLANDS
31	04	57	10.1*	24.094	S	66.733	W	206	*		1.0	9	SALTA PROVINCE, ARGENTINA
31	05	22	35.0?	8.56	N	34.32	W	10	G	3.7	1.1	5	CENTRAL MID-ATLANTIC RIDGE
31	05	43	33.4&	60.229	N	151.998	W	58				63	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
31	07	34	48.9	35.534	N	111.993	W	5	G		0.9	21	EASTERN ARIZONA. ML 3.7 (GS). Felt at Flagstaff, Grand

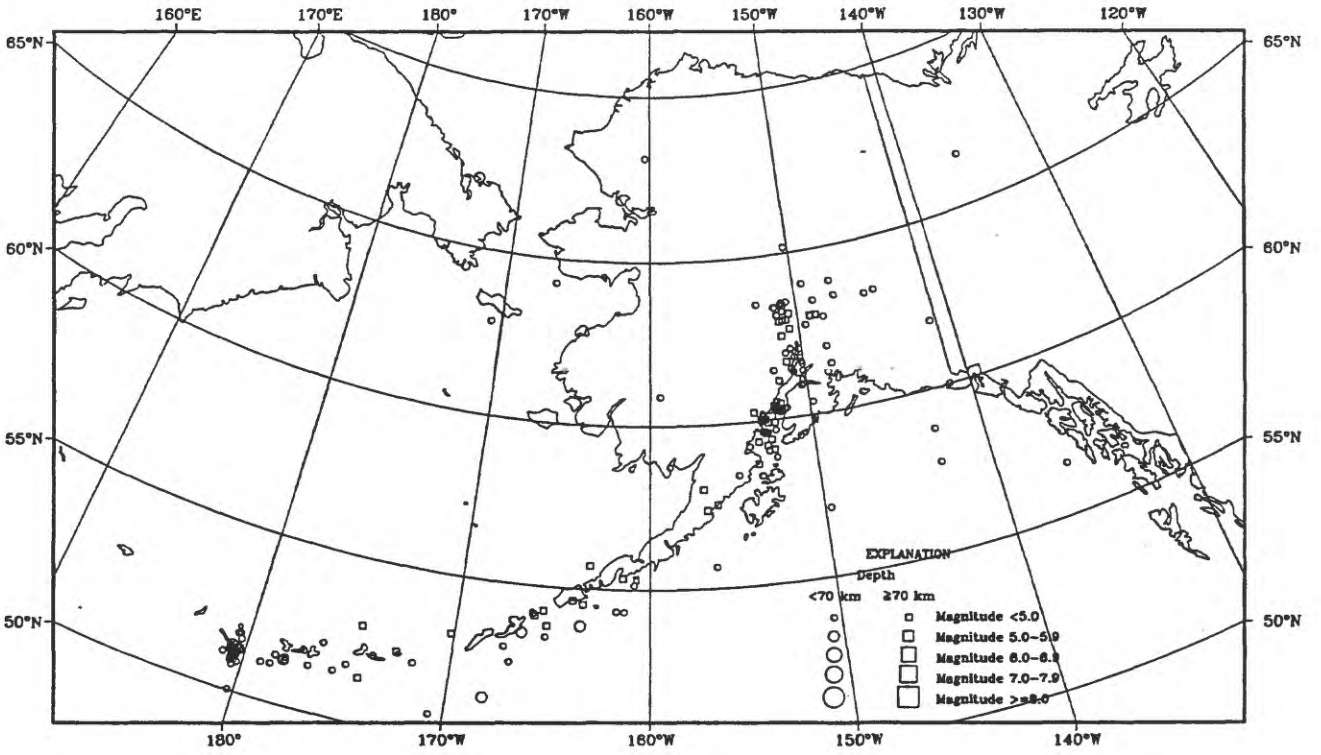
													Canyon Village and Valle.
31	07	51	48.9*	31.837	N	129.943	E	10	G			1.0	9 KYUSHU, JAPAN
31	08	59	51.9*	10.955	N	122.345	E	33	N	4.8	4.1	1.3	33 PANAY, PHILIPPINE ISLANDS
31	10	04	03.7?	4.65	S	151.71	E	100	G	4.3		0.9	10 NEW BRITAIN REGION, P.N.G.
31	11	12	46.7?	7.19	S	154.33	E	33	N	3.6		0.8	5 SOLOMON ISLANDS
31	11	26	35.5	23.307	S	170.867	E	33	N	5.1	5.0	1.1	34 LOYALTY ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:26:38.7; Lat 23.40 S; Lon 170.76 E; Dep 34.7; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.11, Plg=3, Azm=351; (N) Val=-0.26, Plg=86, Azm=211; (P) Val=-1.85, Plg=2, Azm=81; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=126, Dip=86, Slip=0; NP2: Strike=36, Dip=90, Slip=176.
31	11	39	28.5	51.670	N	158.066	E	56	D	5.0		0.7	150 NEAR EAST COAST OF KAMCHATKA. Felt (II) at Severo-Kurilsk, Paramushir.
31	12	57	25.3?	41.08	N	28.79	E	10	G			0.0	4 TURKEY. MD 2.6 (ISK).
31	14	36	34.4?	10.97	N	84.89	W	33	N	4.2		0.9	16 COSTA RICA
31	14	58	18.6*	16.444	N	99.725	W	24	*	3.3		0.8	10 NEAR COAST OF GUERRERO, MEXICO
31	15	46	09.9	35.503	N	112.036	W	5	G			0.7	15 WESTERN ARIZONA. ML 3.3 (GS). Felt at Valle.
31	15	51	11.6	33.316	N	132.340	E	43	D	4.8	4.5	1.2	70 SHIKOKU, JAPAN
31	16	25	15.2	42.968	N	17.885	E	10	G			1.3	16 ADRIATIC SEA
31	16	33	06.8?	31.83	S	178.70	W	33	N	4.0		0.6	7 KERMADEC ISLANDS REGION
31	16	48	11.7%	33.149	S	70.274	W	10	G			0.2	8 CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
31	17	00	58.7%	44.710	N	7.367	E	10	G			0.6	9 NORTHERN ITALY. ML 2.0 (GEN).
31	17	32	20.1	16.132	N	92.673	W	179	D	4.8		1.1	55 CHIAPAS, MEXICO
31	17	51	36.3	36.183	N	27.138	E	53	*	3.6		1.3	23 DODECANESE ISLANDS. MD 4.0 (ATH), 3.8 (ISK).
31	18	21	12.5*	18.021	N	67.412	W	10	G			0.7	7 MONA PASSAGE. MD 3.4 (MPR). Felt (IV) at Mayaguez, Puerto Rico.
31	19	12	49.2*	39.645	N	76.652	E	33	N	4.6	4.2	1.3	15 SOUTHERN XINJIANG, CHINA
31	19	31	01.8	33.581	N	121.249	E	33	N	4.2		0.9	22 YELLOW SEA
31	19	36	06.2	53.278	N	161.555	E	33	N	5.4	4.9	0.8	248 OFF EAST COAST OF KAMCHATKA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:36:09.8; Lat 53.16 N; Lon 161.88 E; Dep 38.6; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=0.83, Plg=75, Azm=354; (N) Val=0.22, Plg=12, Azm=215; (P) Val=-1.05, Plg=10, Azm=123; Best double couple: Mo=9.4*10**16 Nm; NP1: Strike=199, Dip=37, Slip=70; NP2: Strike=43, Dip=56, Slip=104.
31	19	43	40.1?	48.01	N	7.17	E	5	G			0.2	4 FRANCE. ML 2.0 (LDG).
31	19	58	26.4	37.109	N	3.907	W	10	G			0.7	24 SPAIN. mbLg 3.5 (MDD). ML 3.4 (LDG). Felt (II) in the Chimeneas area.
31	20	13	28.7*	19.910	S	176.721	W	300	G	4.2		1.1	28 FIJI ISLANDS REGION
31	20	22	57.4*	22.082	N	143.077	E	259	*	3.0		0.6	11 VOLCANO ISLANDS REGION
31	20	40	38.3*	32.204	N	93.911	E	33	N	3.9		1.3	15 XIZANG
31	21	05	51.5?	15.83	N	98.19	W	33	N			1.4	7 OFF COAST OF GUERRERO, MEXICO
31	21	53	46.0?	11.06	N	122.21	E	33	N	4.6		1.0	10 PANAY, PHILIPPINE ISLANDS
31	22	03	55.6*	4.388	S	142.893	E	118	D	4.5		0.9	12 NEW GUINEA, PAPUA NEW GUINEA
31	22	19	26.9?	35.96	S	71.60	W	140	G			0.4	10 CENTRAL CHILE. MD 4.1 (SAN).
31	23	38	39.1	5.607	S	149.771	E	150	G	4.7		1.0	38 NEW BRITAIN REGION, P.N.G.

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.

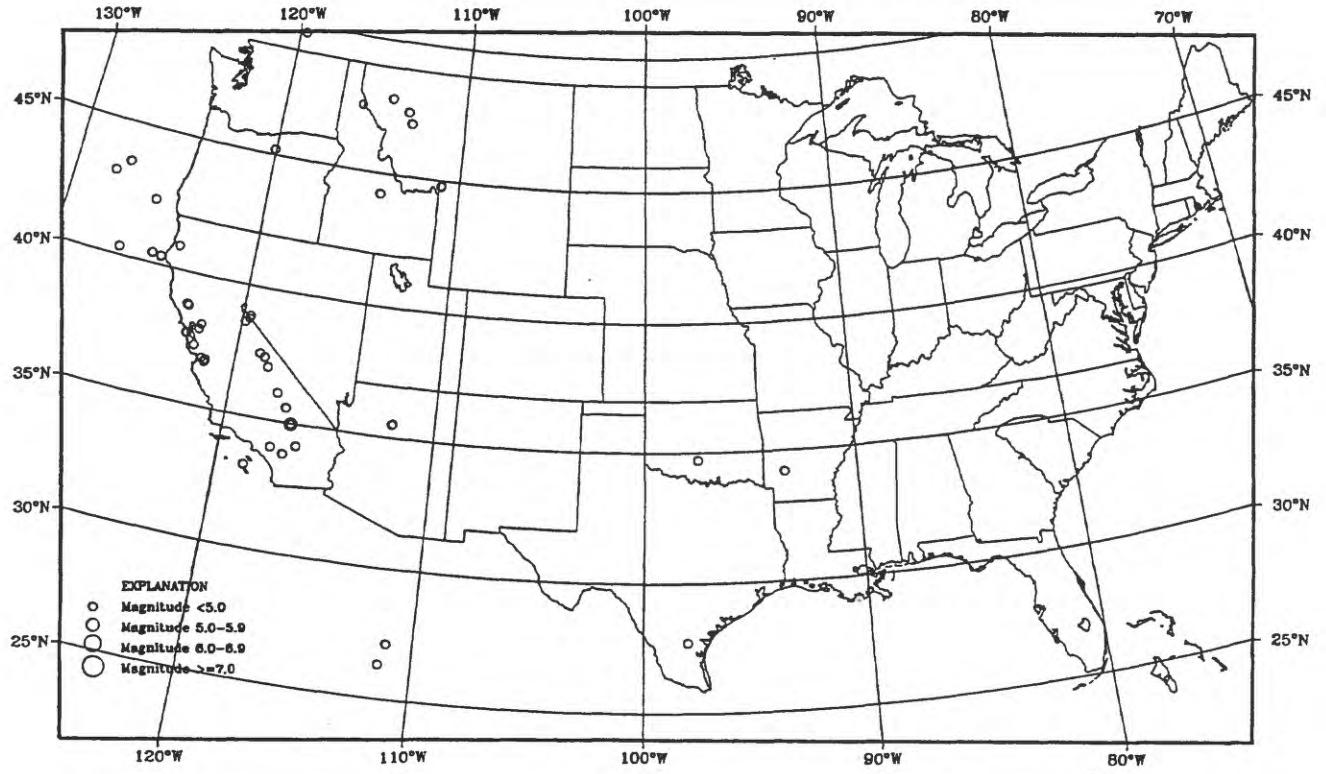
Earthquake Focal Mechanisms for March 1997



Earthquake epicenters in Alaska and adjacent regions for March 1997



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



Earthquakes located worldwide in March 1997