U.S. DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS MONTHLY LISTING

OCTOBER-DECEMBER 1998

NATIONAL EARTHQUAKE INFORMATION CENTER

Open-File Report

98-600-D

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

Preliminary Determination of Epicenters

Monthly Listing

National Earthquake Information Center

OCTOBER 1998

DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDE MB	Msz	GS	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00	02	51.4*	6.709	S	128.718	E	234	?	3.7			1.1	11	BANDA SEA
01	00	12	16.2&	41.258	N	20.191	E	7		3.5				51	ALBANIA. <PDG>. ML 3.7 (PDG), 3.4 (ROM).
01	00	16	54.1&	41.897	N	20.508	E	11						9	ALBANIA. <PDG>. ML 3.0 (PDG).
01	00	25	41.6*	47.571	N	156.204	E	33	N	4.2			0.5	8	EAST OF KURIL ISLANDS
01	00	28	38.1&	41.911	N	20.496	E	11						9	ALBANIA. <PDG>. ML 3.1 (PDG).
01	00	36	24.4&	41.915	N	20.537	E	12						8	ALBANIA. <PDG>. ML 2.7 (PDG).
01	00	47	00.7&	44.165	N	20.097	E	10						27	NORTHWESTERN BALKAN REGION. <PDG>. ML 3.5 (PDG).
01	01	02	53.5&	41.882	N	20.494	E	12						9	ALBANIA. <PDG>. ML 2.8 (PDG).
01	01	10	57.3&	41.922	N	20.525	E	11						12	ALBANIA. <PDG>. ML 3.4 (PDG).
01	01	22	22.8&	44.708	N	6.765	E	1						4	FRANCE. <GEN>. ML 1.7 (GEN).
01	01	39	31.3&	63.324	N	151.932	W	6						15	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
01	01	41	00.3&	41.911	N	20.502	E	1						9	ALBANIA. <PDG>. ML 3.0 (PDG).
01	01	53	46.0&	41.925	N	20.491	E	12						13	ALBANIA. <PDG>. ML 3.1 (PDG).
01	02	03	14.9&	41.896	N	20.480	E	8						9	ALBANIA. <PDG>. ML 3.0 (PDG).
01	02	05	03.9&	41.837	N	20.530	E	11						9	ALBANIA. <PDG>. ML 2.7 (PDG).
01	02	09	30.2*	2.955	S	139.220	E	33	N	3.8			0.5	6	NEAR NORTH COAST OF IRIAN JAYA
01	02	36	02.4	50.484	N	18.916	E	5	G				1.3	10	POLAND. ML 3.2 (WAR), 2.9 (VIE).
01	02	37	11.7*	40.677	S	85.868	W	10	G	5.0	4.4		1.0	27	WEST CHILE RISE. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:37:11.0; Lat 41.36 S; Lon 86.41 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.64, Plg=19, Azm=38; (N) Val=-0.74, Plg=55, Azm=280; (P) Val=-8.90, Plg=29, Azm=139; Best double couple: Mo=9.3*10**16 Nm; NP1: Strike=176, Dip=56, Slip=-8; NP2: Strike=270, Dip=84, Slip=-145.
01	02	55	39.5*	87.009	N	52.072	E	10	G	4.0			0.9	7	NORTH OF FRANZ JOSEF LAND
01	03	01	20.2&	41.942	N	20.501	E	12						9	ALBANIA. <PDG>. ML 2.4 (PDG).
01	03	16	10.7&	41.932	N	20.427	E	8						8	ALBANIA. <PDG>. ML 2.4 (PDG).
01	03	22	35.9&	41.889	N	20.491	E	10						9	ALBANIA. <PDG>. ML 2.6 (PDG).
01	03	39	34.8&	40.629	N	122.400	W	26						14	NORTHERN CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.4 (BRK). Felt at Redding.
01	03	41	13.0	13.738	N	45.565	W	10	G	5.4	5.5		1.1	310	NORTHERN MID-ATLANTIC RIDGE. Mw 6.0 (HRV), 5.9 (GS). Moment Tensor (GS): Dep 9; Principal axes (scale 10**17 Nm): (T) Val=8.33, Plg=8, Azm=337; (N) Val=-0.16, Plg=69, Azm=88; (P) Val=-8.18, Plg=19, Azm=245; Best double couple: Mo=8.3*10**17 Nm; NP1: Strike=23, Dip=71, Slip=-172; NP2: Strike=290, Dip=82, Slip=-19. Centroid, Moment Tensor (HRV): Centroid origin time 03:41:18.5; Lat 13.59 N; Lon 45.46 W; Dep 15.0 Bdy; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=1.26, Plg=4, Azm=168; (N) Val=-0.19, Plg=76, Azm=60; (P) Val=-1.07, Plg=13, Azm=259; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=302, Dip=77, Slip=-6; NP2: Strike=34, Dip=84, Slip=-167.
01	03	48	28.5&	41.912	N	20.552	E	11						9	ALBANIA. <PDG>. ML 2.5 (PDG).
01	04	01	36.2&	41.908	N	20.491	E	11						9	ALBANIA. <PDG>. ML 2.7 (PDG).
01	04	02	50.7?	6.98	N	73.56	W	150	G				0.7	6	NORTHERN COLOMBIA
01	04	14	10.2&	35.177	S	70.503	W	15						12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC).
01	04	33	07.6&	41.908	N	20.436	E	8						8	ALBANIA. <PDG>. ML 2.7 (PDG).
01	05	08	12.2&	60.026	N	153.568	W	152						52	SOUTHERN ALASKA. <AEIC>.
01	08	45	25.8*	22.080	S	173.568	E	33	N	4.6			1.3	32	LOYALTY ISLANDS REGION
01	09	13	10.1&	39.940	N	29.096	E	6						9	TURKEY. <ISK>. MD 2.8 (ISK).
01	10	15	16.7*	31.113	N	130.221	E	166	*				1.5	8	KYUSHU, JAPAN
01	11	04	14.7&	39.571	N	29.552	E	10	G					4	TURKEY. <ISK>. MD 2.7 (ISK).
01	11	34	53.8?	41.64	S	88.41	W	10	G	4.7			0.9	13	WEST CHILE RISE
01	11	53	23.9	51.481	N	178.165	W	33	N	5.0	4.5		0.9	164	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.4 (HRV). ML 5.4 (PMR). Felt (III) on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 11:53:24.0; Lat 51.10 N; Lon 177.58 W; Dep 41.2; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.15, Plg=49, Azm=282; (N) Val=0.08, Plg=19, Azm=35;

														(P) Val=-1.22, Plg=35, Azm=138; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=281, Dip=20, Slip=157; NP2: Strike=32, Dip=82, Slip=71.
01	12	09	37.7&	35.005	S	70.312	W	10				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
01	13	38	23.6*	51.546	N	16.170	E	5	G		0.7	8	POLAND. ML 3.0 (WAR), 2.6 (CLL).
01	13	40	36.8*	7.451	S	129.788	E	120	*	4.1	1.3	16	BANDA SEA
01	13	59	42.6&	34.315	N	116.924	W	7				13	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt in the Big Bear Lake area.
01	14	03	41.5&	40.690	N	30.026	E	7				4	TURKEY. <ISK>. MD 2.7 (ISK).
01	14	38	36.1?	3.82	N	78.83	W	33	N		1.4	10	SOUTH OF PANAMA
01	14	55	56.5?	3.23	N	127.00	E	33	N	4.5	1.0	8	TALAUD ISLANDS, INDONESIA
01	15	00	36.9&	45.800	N	7.000	E	2				12	NORTHERN ITALY. <LDG>. ML 2.3 (LDG).
01	15	04	24.7&	31.735	S	69.888	W	155				9	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.5 (GUC).
01	15	10	36.3	41.844	N	20.461	E	10	G		1.1	32	ALBANIA. ML 3.6 (ROM).
01	15	24	24.1?	9.67	S	113.96	E	33	N		0.3	4	SOUTH OF JAWA, INDONESIA
01	16	13	16.7*	36.089	N	139.010	E	148	*	3.9	0.3	7	EASTERN HONSHU, JAPAN
01	17	02	38.2&	38.022	N	34.387	E	10	G	4.2		59	TURKEY. <ISK>. MD 4.0 (ISK).
01	17	32	56.0&	60.207	N	152.793	W	100				48	SOUTHERN ALASKA. <AEIC>.
01	17	49	10.8	35.832	N	142.203	E	33	N	4.5	1.0	38	OFF EAST COAST OF HONSHU, JAPAN
01	17	59	53.8*	3.721	N	126.796	E	33	N	4.1	0.6	10	TALAUD ISLANDS, INDONESIA
01	18	07	42.1?	1.42	S	127.35	E	71	?	3.7	1.4	9	HALMAHERA, INDONESIA
01	18	18	15.9&	34.112	N	116.920	W	4		4.4		58	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.7 (PAS). Felt at Anaheim, Fullerton, Huntington Beach, Lake Arrowhead, Landers, Pomona, Sun Valley and much of the Los Angeles area.
01	18	45	18.0?	0.88	S	126.52	E	33	N	3.6	1.1	6	SOUTHERN MOLUCCA SEA
01	19	17	16.0	14.367	N	53.772	E	10	G	5.1 5.1	1.1	121	ARABIAN SEA. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:17:18.6; Lat 14.69 N; Lon 53.65 E; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.75, Plg=16, Azm=154; (N) Val=-0.52, Plg=57, Azm=37; (P) Val=-3.23, Plg=28, Azm=252; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=290, Dip=58, Slip=-9; NP2: Strike=25, Dip=82, Slip=-148.
01	19	26	57.9?	35.95	N	140.51	E	75	?	4.0	1.5	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in parts of Fukushima, Ibaraki and Tochigi Prefectures.
01	20	28	28.9	17.957	N	146.448	E	60	*	5.3	1.0	168	MARIANA ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:28:26.5; Lat 18.05 N; Lon 147.28 E; Dep 33.7; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.75, Plg=64, Azm=317; (N) Val=-0.28, Plg=10, Azm=205; (P) Val=-1.47, Plg=23, Azm=110; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=180, Dip=23, Slip=63; NP2: Strike=29, Dip=69, Slip=101.
01	20	44	06.7	9.675	N	82.443	W	31	D	5.3 4.4	0.9	134	PANAMA-COSTA RICA BORDER REGION. Mw 5.4 (HRV). MD 5.0 (UPA). Felt (V) at David. Felt throughout western Panama. Centroid, Moment Tensor (HRV): Centroid origin time 20:44:11.0; Lat 9.65 N; Lon 82.47 W; Dep 29.0; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.43, Plg=60, Azm=157; (N) Val=-0.38, Plg=23, Azm=296; (P) Val=-1.05, Plg=18, Azm=33; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=155, Dip=34, Slip=135; NP2: Strike=285, Dip=66, Slip=64.
01	21	08	53.7&	40.216	N	28.897	E	5				14	TURKEY. <ISK>. MD 3.1 (ISK).
01	21	08	59.9?	15.82	S	174.00	W	33	N	3.9	0.8	18	TONGA ISLANDS
01	21	51	43.5?	38.30	S	175.90	E	200	G		0.4	11	NORTH ISLAND, NEW ZEALAND
01	22	03	06.8*	23.992	S	66.876	W	185	*	4.5	0.6	8	JUJUY PROVINCE, ARGENTINA
01	22	17	00.1&	44.123	N	7.145	E	10				18	NORTHERN ITALY. <GEN>. ML 2.2 (GEN), 1.9 (LDG).
01	23	57	37.5&	19.750	N	68.060	W	25				5	NORTH ATLANTIC OCEAN. <MPR>. MD 4.2 (MPR).
02	00	15	29.4	52.248	N	30.005	W	10	G	4.7 3.8	1.0	137	NORTHERN MID-ATLANTIC RIDGE
02	00	16	01.5	18.001	N	146.364	E	33	N	4.8 4.4	1.1	73	MARIANA ISLANDS
02	00	22	00.2&	41.909	N	20.488	E	8				9	ALBANIA. <PDG>. ML 3.0 (PDG).
02	00	35	04.4&	59.320	N	150.734	W	53				75	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
02	00	47	54.3&	36.801	N	29.245	E	10				4	TURKEY. <ISK>. MD 3.1 (ISK).
02	01	42	55.5?	12.10	N	87.47	W	33	N	3.9	0.4	8	NEAR COAST OF NICARAGUA
02	02	00	50.3&	59.514	N	153.461	W	111				105	SOUTHERN ALASKA. <AEIC>.
02	02	38	22.9*	33.767	N	59.915	E	33	N	4.3	1.0	7	NORTHERN IRAN. ML 4.0 (TEH). Felt at Qaen.
02	02	40	44.9	51.673	N	178.095	W	33	N	4.6	0.9	62	ANDREANOF ISLANDS, ALEUTIAN IS.
02	03	03	11.9	3.734	N	126.265	E	33	N	4.8	1.3	53	TALAUD ISLANDS, INDONESIA
02	03	19	09.9*	33.900	N	137.531	E	350	*	3.5	0.2	9	NEAR S. COAST OF HONSHU, JAPAN
02	03	20	34.2&	40.404	N	29.799	E	10				9	TURKEY. <ISK>. MD 2.8 (ISK).
02	04	55	19.0&	43.914	N	18.437	E	8				58	NORTHWESTERN BALKAN REGION. <PDG>. ML 3.6 (PDG), 3.4 (ROM), 3.4 (VIE).
02	04	59	59.4	3.773	N	126.225	E	33	N	5.1	1.2	72	TALAUD ISLANDS, INDONESIA
02	07	02	33.9&	39.615	N	29.629	E	10	G			4	TURKEY. <ISK>. MD 2.7 (ISK).
02	07	34	32.5	2.880	S	141.401	E	33	N	5.0 4.4	1.0	69	NEAR N COAST OF NEW GUINEA, PNG.
02	07	35	28.1*	26.441	S	27.488	E	5	G		1.4	8	REPUBLIC OF SOUTH AFRICA
02	08	18	27.2?	19.18	N	68.38	W	33	N	4.1	1.5	10	NORTH ATLANTIC OCEAN. MD 4.3 (MPR).
02	08	20	48.6*	6.735	S	155.401	E	33	N	3.8	0.9	9	SOLOMON ISLANDS
02	08	44	27.4	31.564	S	71.820	W	53	*	4.8	1.0	34	NEAR COAST OF CENTRAL CHILE. MD 4.7 (GUC).
02	09	11	47.3?	5.50	S	104.27	E	150	G		1.3	10	SOUTHERN SUMATERA, INDONESIA
02	09	22	01.4&	32.057	S	71.710	W	18				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
02	09	26	39.4&	39.634	N	29.465	E	10	G			6	TURKEY. <ISK>. MD 2.8 (ISK).
02	10	15	24.6&	31.667	S	71.818	W	33				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
02	10	17	52.7*	26.429	S	27.343	E	5	G	4.5	1.5	14	REPUBLIC OF SOUTH AFRICA
02	10	22	29.3	36.560	N	71.182	E	234	*	4.1	0.7	43	AFGHANISTAN-TAJIKISTAN BORD REG.
02	10	46	15.4	13.953	N	91.934	W	33	N	4.8 4.5	1.1	141	NEAR COAST OF GUATEMALA
02	11	32	22.4&	34.722	N	34.015	E	10				5	CYPRUS REGION. <CSS>. ML 3.4 (CSS).
02	11	38	04.5*	3.399	N	126.802	E	33	N	4.0	0.5	10	TALAUD ISLANDS, INDONESIA
02	12	17	14.8&	48.260	N	7.990	E	2	G			7	FRANCE. <STR>. ML 1.3 (STR).
02	12	38	35.5&	52.609	N	170.924	W	0				6	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.4 (AEIC).
02	12	49	35.7	27.268	N	101.016	E	48		5.2 4.7	0.9	227	SICHUAN, CHINA. Mw 5.4 (HRV). Felt at Xichang and Panzhihua. Also felt in Chuxiong, Dali, Lijiang, Lufeng and Ninglang Counties, Yunnan Province.

													Centroid, Moment Tensor (HRV): Centroid origin time 12:49:38.4; Lat 27.45 N; Lon 101.52 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.12, Plg=29, Azm=242; (N) Val=0.20, Plg=0, Azm=151; (P) Val=-1.32, Plg=61, Azm=61; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=332, Dip=16, Slip=-89; NP2: Strike=151, Dip=74, Slip=-90.
02	12	50	12.6&	49.840	N	7.490	E	2	G			7	GERMANY. <STR>. ML 1.8 (STR).
02	13	17	19.1*	26.054	S	71.151	E	10	G	4.1	1.1	11	MID-INDIAN RIDGE
02	15	21	56.3&	40.238	N	28.877	E	10	G			12	TURKEY. <ISK>. MD 3.1 (ISK).
02	15	28	18.8	48.026	N	146.936	E	450	G	4.4	1.0	53	SEA OF OKHOTSK
02	15	44	00.8*	23.261	S	178.729	E	600	G	4.2	0.8	24	SOUTH OF FIJI ISLANDS
02	15	46	11.7&	36.370	N	3.440	W	2				18	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.5 (MDD).
02	16	37	39.3	18.848	N	145.536	E	213	D	4.7	1.1	104	MARIANA ISLANDS
02	17	01	59.4*	39.758	N	77.249	E	33	N	4.4 4.3	1.5	15	SOUTHERN XINJIANG, CHINA. Felt in Bachu and Jiashi Counties.
02	17	02	46.3&	44.480	N	7.372	E	15				8	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
02	17	19	32.6*	3.479	N	126.451	E	33	N	4.2	1.3	11	TALAUD ISLANDS, INDONESIA
02	17	31	41.9*	12.818	S	166.975	E	150	G	4.4	1.1	21	SANTA CRUZ ISLANDS
02	17	36	44.6*	29.170	N	85.136	E	33	N	4.2	1.1	15	XIZANG
02	17	48	03.6	3.598	N	126.266	E	33	N	4.7 4.1	1.1	28	TALAUD ISLANDS, INDONESIA
02	17	53	28.1*	5.701	S	140.167	E	33	N	3.9	1.3	12	IRIAN JAYA, INDONESIA
02	18	16	45.1&	58.358	N	154.693	W	5				34	ALASKA PENINSULA. <AEIC>. ML 2.5 (AEIC).
02	18	29	27.5&	44.452	N	7.214	E	15				5	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
02	18	50	05.6*	14.979	S	174.470	W	112	*	4.2	0.8	28	SAMOA ISLANDS REGION
02	20	57	32.6&	16.112	N	97.014	W	39				5	OAXACA, MEXICO. <UNM>. MD 3.5 (UNM).
02	21	18	12.4	10.634	S	161.178	E	92	*	5.2	0.9	125	SOLOMON ISLANDS. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:18:03.6; Lat 11.14 S; Lon 161.44 E; Dep 46.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.68, Plg=69, Azm=335; (N) Val=-0.93, Plg=17, Azm=119; (P) Val=-3.75, Plg=12, Azm=212; Best double couple: Mo=4.2*10**16 Nm; NP1: Strike=323, Dip=37, Slip=120; NP2: Strike=108, Dip=59, Slip=70.
02	21	22	06.3	42.199	N	23.703	E	10	G		1.2	10	BULGARIA
02	21	33	21.2&	34.932	S	70.891	W	101				9	CHILE-ARGENTINA BORDER REGION. <GUC>.
02	21	50	36.3&	16.729	N	93.237	W	180				8	CHIAPAS, MEXICO. <UNM>. MD 4.1 (UNM).
02	22	24	06.9	13.669	N	45.642	W	10	G	4.7	1.0	44	NORTHERN MID-ATLANTIC RIDGE
02	23	46	33.1&	47.720	N	7.640	E	2	G			17	SWITZERLAND. <STR>. ML 2.1 (LDG), 1.7 (FBB), 1.5 (STR).
03	00	04	22.3&	34.464	N	117.940	W	8				29	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
03	00	17	08.7?	14.92	S	71.52	W	150	G		0.4	5	CENTRAL PERU
03	00	22	55.3&	42.452	N	19.317	E	22				9	NORTHWESTERN BALKAN REGION. <PDG>. ML 2.5 (PDG).
03	00	28	27.6&	39.236	N	27.703	E	10				4	TURKEY. <ISK>. MD 2.7 (ISK).
03	00	37	18.3*	37.348	N	142.388	E	33	N		1.1	14	OFF EAST COAST OF HONSHU, JAPAN
03	01	11	03.7&	39.127	N	27.799	E	10	G			4	TURKEY. <ISK>. MD 2.7 (ISK).
03	01	13	36.1	56.628	S	25.502	W	33	N	5.0 5.3	1.0	92	SOUTH SANDWICH ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:13:39.8; Lat 56.93 S; Lon 25.35 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.32, Plg=67, Azm=306; (N) Val=-0.03, Plg=14, Azm=180; (P) Val=-2.29, Plg=18, Azm=86; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=155, Dip=30, Slip=61; NP2: Strike=7, Dip=64, Slip=105.
03	02	02	19.5*	2.551	S	100.251	E	33	N	4.2	1.1	15	SOUTHERN SUMATERA, INDONESIA
03	02	31	15.9&	34.272	S	70.571	W	114				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
03	02	45	59.5*	7.167	S	129.122	E	33	N	3.8	1.3	13	BANDA SEA
03	02	56	48.1&	39.823	N	29.911	E	5				11	TURKEY. <ISK>. MD 2.9 (ISK).
03	03	21	56.9*	19.657	N	147.628	E	33	N	4.4	1.1	17	MARIANA ISLANDS REGION
03	03	52	46.4*	17.821	S	178.587	W	545	*	4.5	1.1	30	FIJI ISLANDS REGION
03	04	46	22.0&	32.854	S	71.139	W	54				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
03	05	13	20.1	51.548	N	157.368	E	132		4.1	0.8	40	NEAR EAST COAST OF KAMCHATKA
03	05	58	13.3	41.181	N	125.737	W	10	G		0.5	23	OFF COAST OF NORTHERN CALIFORNIA. ML 3.5 (BRK), 3.1 (GS).
03	06	00	07.5	56.610	S	25.398	W	33	N	4.6 5.0	1.0	30	SOUTH SANDWICH ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:00:11.3; Lat 56.76 S; Lon 25.35 W; Dep 24.7; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.42, Plg=61, Azm=295; (N) Val=-0.30, Plg=15, Azm=177; (P) Val=-1.12, Plg=24, Azm=80; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=142, Dip=25, Slip=52; NP2: Strike=2, Dip=71, Slip=106.
03	06	11	12.5*	27.309	N	101.669	E	33	N	3.8	1.4	8	SICHUAN, CHINA
03	06	26	16.6	40.064	S	175.607	E	59			0.3	17	NORTH ISLAND, NEW ZEALAND
03	06	26	23.3*	56.712	S	25.183	W	33	N		0.9	13	SOUTH SANDWICH ISLANDS REGION
03	06	29	15.8	3.466	S	134.494	E	33	N	4.0	0.8	13	IRIAN JAYA REGION, INDONESIA
03	06	32	37.7&	33.086	S	70.178	W	101				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
03	06	42	36.4&	53.864	N	166.754	W	60				4	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.5 (AEIC).
03	06	48	12.7	56.618	S	25.352	W	33	N	4.9 5.5	1.0	68	SOUTH SANDWICH ISLANDS REGION. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:48:18.8; Lat 56.81 S; Lon 25.24 W; Dep 18.0 Bdy; Half-duration 2.1 sec; Principal axes (scale 10**17 Nm): (T) Val=6.22, Plg=67, Azm=265; (N) Val=0.17, Plg=4, Azm=165; (P) Val=-6.39, Plg=23, Azm=73; Best double couple: Mo=6.3*10**17 Nm; NP1: Strike=155, Dip=23, Slip=79; NP2: Strike=347, Dip=68, Slip=95.
03	07	12	30.1	56.649	S	25.294	W	33	N	5.1	0.9	63	SOUTH SANDWICH ISLANDS REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:12:36.8; Lat 56.72 S; Lon 25.26 W; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.40, Plg=69, Azm=275; (N) Val=-0.08, Plg=5, Azm=173; (P) Val=-2.32, Plg=21, Azm=81; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=162, Dip=25, Slip=79; NP2: Strike=355, Dip=66, Slip=95.
03	08	03	10.4*	14.228	N	91.761	W	10	G	4.1	1.0	24	GUATEMALA
03	08	14	56.9	36.684	N	71.373	E	200	G	3.9	0.9	28	AFGHANISTAN-TAJIKISTAN BORD REG.

03	08	34	09.4	37.376	N	69.137	E	33	N	4.6	1.0	28	AFGHANISTAN-TAJIKISTAN BORD REG.
03	09	00	07.1*	18.430	S	168.919	E	210	?	4.3	1.1	37	VANUATU ISLANDS
03	09	05	29.2&	62.099	N	148.218	W	41				77	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.4 (PMR).
03	09	19	00.0&	61.501	N	146.970	W	15				66	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
03	09	37	38.0&	34.474	S	72.113	W	22				8	NEAR COAST OF CENTRAL CHILE. <GUC>.
03	10	24	35.0*	40.136	S	173.526	E	182	?		0.2	13	COOK STRAIT, NEW ZEALAND
03	10	30	19.8*	32.154	S	179.811	E	351	*	4.1	1.4	51	SOUTH OF KERMADEC ISLANDS
03	10	46	32.4&	32.085	S	71.853	W	14				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
03	11	15	42.6	28.505	N	127.615	E	227	D	5.6	1.0	478	NORTHWEST OF RYUKYU ISLANDS. Mw 6.2 (GS), 6.1 (HRV). Me 5.6 (GS). mb 6.0 (BRK). Felt (III JMA) on Amami O-shima and in northern Okinawa; (II JMA) on Kikai-shima, Kume-shima, Okinoerabu-shima and in southern Okinawa; (I JMA) on Nakano-shima and Tokuno-shima. Broadband Source Parameters (GS): Dep 208; NP1: Strike=60, Dip=80, Slip=110; NP2: Strike=176, Dip=22, Slip=27; Radiated energy 6.6*10**12 Nm. Moment Tensor (GS): Dep 213; Principal axes (scale 10**18 Nm): (T) Val=1.85, Plg=62, Azm=321; (N) Val=0.04, Plg=9, Azm=213; (P) Val=-1.89, Plg=26, Azm=119; Best double couple: Mo=1.9*10**18 Nm; NP1: Strike=188, Dip=21, Slip=64; NP2: Strike=36, Dip=71, Slip=100. Centroid, Moment Tensor (HRV): Centroid origin time 11:15:46.1; Lat 28.40 N; Lon 127.66 E; Dep 219.0; Half-duration 2.9 sec; Principal axes (scale 10**18 Nm): (T) Val=1.67, Plg=61, Azm=326; (N) Val=0.03, Plg=8, Azm=221; (P) Val=-1.70, Plg=28, Azm=126; Best double couple: Mo=1.7*10**18 Nm; NP1: Strike=195, Dip=18, Slip=63; NP2: Strike=43, Dip=74, Slip=99.
03	11	17	16.8&	31.707	S	69.989	W	159				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.5 (GUC).
03	12	34	01.7&	34.165	N	116.428	W	3				23	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
03	12	53	11.1&	42.900	N	0.200	E	2				5	PYRENEES. <LDG>. ML 2.1 (STR), 1.6 (LDG).
03	13	02	47.1*	37.882	S	49.311	E	10	G	4.5	0.8	22	SOUTHWEST INDIAN RIDGE
03	13	10	38.1&	32.499	S	69.943	W	123				12	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.6 (GUC).
03	13	14	50.8*	37.799	S	49.357	E	10	G		1.1	14	SOUTHWEST INDIAN RIDGE
03	13	46	30.9*	51.101	N	15.790	E	5	G		1.0	7	POLAND. ML 2.6 (WAR), 2.2 (CLL).
03	13	49	03.4	51.698	N	16.259	E	5	G		0.6	15	POLAND. ML 3.9 (GRF), 3.5 (WAR), 3.5 (VIE).
03	13	54	15.0	37.843	N	34.517	E	67	*	3.9	1.5	28	TURKEY. MD 3.9 (ISK).
03	15	12	56.7	56.705	S	25.571	W	33	N	5.0 5.3	1.1	81	SOUTH SANDWICH ISLANDS REGION. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:13:03.2; Lat 56.87 S; Lon 25.35 W; Dep 19.1; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.44, Plg=65, Azm=276; (N) Val=-0.03, Plg=8, Azm=170; (P) Val=-3.42, Plg=24, Azm=76; Best double couple: Mo=3.4*10**17 Nm; NP1: Strike=150, Dip=22, Slip=69; NP2: Strike=352, Dip=69, Slip=98.
03	16	42	43.2*	16.670	S	167.506	E	33	N	4.1	1.1	26	VANUATU ISLANDS
03	17	00	59.3	36.729	N	141.513	E	33	N	4.7	1.2	43	NEAR EAST COAST OF HONSHU, JAPAN
03	18	04	28.4*	11.610	S	117.248	E	33	N	3.1	1.1	10	SOUTH OF SUMBAWA, INDONESIA
03	19	30	43.1	56.605	S	25.452	W	33	N	5.1 5.0	0.9	48	SOUTH SANDWICH ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:30:48.6; Lat 56.78 S; Lon 25.35 W; Dep 15.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.81, Plg=60, Azm=277; (N) Val=0.06, Plg=10, Azm=170; (P) Val=-1.86, Plg=28, Azm=75; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=141, Dip=19, Slip=59; NP2: Strike=353, Dip=74, Slip=100.
03	19	31	14.1&	32.727	S	70.079	W	118				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
03	19	35	33.7*	56.581	S	25.326	W	33	N		1.1	7	SOUTH SANDWICH ISLANDS REGION
03	19	36	59.3*	56.672	S	25.357	W	33	N	4.6	1.0	13	SOUTH SANDWICH ISLANDS REGION
03	21	13	22.5&	31.989	S	70.852	W	99				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
03	22	51	14.5	36.020	N	28.172	E	33	N		0.7	29	DODECANESE ISLANDS. MD 3.7 (ISK).
03	23	25	32.5*	17.960	N	103.754	W	33	N	3.8	1.2	15	NEAR COAST OF MICHOACAN, MEXICO. MD 4.2 (UNM).
04	00	42	47.4	33.238	N	47.254	E	10	G	5.3 4.9	1.0	311	WESTERN IRAN. Mw 5.3 (HRV). Felt at Abdanan, Darreh Shahr, Ilam and Kuhdasht. Centroid, Moment Tensor (HRV): Centroid origin time 00:42:55.1; Lat 33.23 N; Lon 47.22 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.28, Plg=66, Azm=149; (N) Val=-0.27, Plg=15, Azm=278; (P) Val=-1.01, Plg=18, Azm=13; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=126, Dip=31, Slip=121; NP2: Strike=270, Dip=64, Slip=73.
04	01	41	15.1	51.461	N	178.577	W	52		4.7 4.3	0.8	123	ANDREANOF ISLANDS, ALEUTIAN IS.
04	02	34	11.9&	16.903	N	100.345	W	3				9	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.7 (UNM).
04	02	46	58.1*	42.266	N	142.844	E	78	*		1.3	17	HOKKAIDO, JAPAN REGION. Felt (I JMA) in south-central Hokkaido.
04	03	41	36.9*	17.908	S	178.565	W	600	G	4.3	0.8	28	FIJI ISLANDS REGION
04	03	52	41.3&	53.449	N	166.109	W	0				5	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.5 (AEIC).
04	04	29	50.8?	4.82	S	130.76	E	33	N	4.1	1.3	10	BANDA SEA
04	04	53	35.6	43.077	N	126.114	W	10	G	3.6	0.6	54	OFF COAST OF OREGON
04	04	58	36.7&	44.900	N	6.600	E	2				4	FRANCE. <LDG>.
04	05	20	08.0*	23.704	S	179.713	E	600	G	4.4	0.8	22	SOUTH OF FIJI ISLANDS
04	05	24	07.9*	15.546	S	76.957	W	33	N		0.7	8	OFF COAST OF PERU
04	05	54	34.4&	32.694	S	69.270	W	9				13	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.5 (GUC).
04	06	16	46.1	6.103	S	130.596	E	133		4.6	1.0	57	BANDA SEA
04	06	40	22.6&	44.118	N	7.135	E	10				5	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
04	06	50	54.4&	33.982	S	72.185	W	33				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
04	07	45	18.6&	42.403	N	19.466	E	20				8	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.8 (PDG).
04	08	33	34.6&	33.646	S	71.601	W	44				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
04	08	38	09.5	0.955	S	27.923	E	10	G	4.6	0.7	54	ZAIRE
04	08	48	23.4*	56.646	S	25.747	W	33	N	5.1	0.9	17	SOUTH SANDWICH ISLANDS REGION
04	09	01	01.8?	1.68	N	128.96	E	33	N	4.1	1.3	13	HALMAHERA, INDONESIA
04	09	46	32.7*	26.927	S	27.053	E	10	G		1.5	10	REPUBLIC OF SOUTH AFRICA
04	10	01	04.0&	16.419	N	99.669	W	0	G			11	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).

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04  10 11 22.8   36.818 N   11.005 W   10 G          1.1   51  NORTH ATLANTIC OCEAN. mbLg 3.6 (MDD).
04  10 15 23.4& 37.110 N    3.620 W    2                 5  SPAIN. <MDD>. mbLg 1.9 (MDD).
04  11 05 37.4& 55.078 N  165.936 W   79                 5  FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>.
04  11 05 52.1& 58.717 N  152.560 W   14                36  KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
04  11 06 11.3   6.294 S  147.491 E   84    5.2       1.0   78  EASTERN NEW GUINEA REG., P.N.G. Mw 5.3 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                11:06:14.7; Lat 6.73 S; Lon 147.74 E; Dep 47.3; Half-
                                                                duration 1.1 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.01, Plg=61, Azm=310; (N) Val=0.10, Plg=11, Azm=60;
                                                                (P) Val=-1.11, Plg=27, Azm=156; Best double couple:
                                                                Mo=1.1*10**17 Nm; NP1: Strike=271, Dip=21, Slip=123; NP2:
                                                                Strike=57, Dip=73, Slip=78.
04  11 10 52.7& 54.066 N  164.089 W   22                19  UNIMAK ISLAND REGION. <AEIC>. ML 3.5 (AEIC).
04  11 19 26.4  43.328 N   20.844 E   10 G  4.2       1.3  197  NORTHWESTERN BALKAN REGION. MD 4.6 (PDG). ML 4.5 (ROM).
04  11 26 02.0  43.306 N   20.893 E   10 G              0.9   16  NORTHWESTERN BALKAN REGION. ML 2.8 (PDG).
04  11 31 38.4& 59.047 N  136.473 W   10 G                35  SOUTHEASTERN ALASKA. <PGC-P>. ML 4.2 (PGC), 3.6 (AEIC).
04  11 42 49.8   6.368 S  147.586 E   83 *  4.5       1.1   37  EASTERN NEW GUINEA REG., P.N.G.
04  11 44 18.0& 32.506 S   71.639 W   34                11  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
04  12 37 12.4& 16.194 N   97.984 W   11                11  OAXACA, MEXICO. <UNM>. MD 3.8 (UNM).
04  12 56 53.4& 33.971 S   70.960 W   70                11  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 1.9 (GUC).
04  12 58 29.0& 43.207 N   20.558 E    8                 8  NORTHWESTERN BALKAN REGION. <PDG>. ML 2.2 (PDG).
04  13 41 10.1   8.464 S  76.380 W   33 N  5.2 4.9  1.1  205  CENTRAL PERU. Mw 5.5 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                13:41:11.0; Lat 8.67 S; Lon 76.52 W; Dep 15.0 Fix; Half-
                                                                duration 1.3 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.90, Plg=69, Azm=230; (N) Val=0.02, Plg=10, Azm=348;
                                                                (P) Val=-1.92, Plg=18, Azm=81; Best double couple:
                                                                Mo=1.9*10**17 Nm; NP1: Strike=188, Dip=28, Slip=113; NP2:
                                                                Strike=343, Dip=64, Slip=78.
04  14 27 08.5& 32.464 S   71.577 W   46                12  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
04  14 32 31.3* 8.517 S  158.827 E  136 *  4.2       1.3   26  SOLOMON ISLANDS
04  16 03 16.6* 40.202 S  176.610 E  100 G              0.4    9  NORTH ISLAND, NEW ZEALAND
04  16 32 39.2? 30.01  S  178.71  W  300 G  4.4       1.1   24  KERMADEC ISLANDS, NEW ZEALAND
04  16 45 58.4  43.313 N   20.935 E   10 G              1.1   16  NORTHWESTERN BALKAN REGION. ML 2.7 (PDG).
04  17 03 30.7* 14.453 N  119.314 E   33 N              1.1    9  LUZON, PHILIPPINE ISLANDS
04  17 27 43.9*  4.082 S  141.721 E  151 *  4.0       1.3   13  NEW GUINEA, PAPUA NEW GUINEA
04  18 19 22.8* 11.848 N  125.772 E   33 N              0.9    8  SAMAR, PHILIPPINE ISLANDS
04  18 38 45.5& 46.000 N    2.800 E   14                11  FRANCE. <LDG>. ML 1.9 (LDG), 1.8 (STR).
04  19 05 48.8*  6.215 S  103.988 E   58 ?  4.4       1.3   22  SOUTHWEST OF SUMATERA, INDONESIA
04  20 49 03.3& 37.876 N   29.428 E   11                 4  TURKEY. <ISK>. MD 3.0 (ISK).
04  21 51 48.9& 60.184 N  152.708 W   91                51  SOUTHERN ALASKA. <AEIC>.
04  21 54 41.0* 11.404 N   87.044 W   33 N  4.5 4.3  1.2   50  NEAR COAST OF NICARAGUA
04  22 32 13.0  44.549 N   10.235 E   10 G              1.2   14  NORTHERN ITALY. ML 2.6 (LDG), 2.4 (VIE).
04  22 51 26.4*  6.224 S  103.888 E   33 N  3.8         0.9   12  SOUTHWEST OF SUMATERA, INDONESIA
04  23 03 32.4& 60.026 N  152.753 W   97                33  SOUTHERN ALASKA. <AEIC>.
04  23 11 03.8* 29.101 N   83.583 E   33 N              1.4    8  NEPAL
04  23 15 32.5* 39.207 S  175.291 E  150 G              0.1   10  NORTH ISLAND, NEW ZEALAND
04  23 19 40.5*  5.868 N  126.354 E  100 G  3.9         1.1   11  MINDANAO, PHILIPPINE ISLANDS
05  00 15 48.0  31.263 S  179.766 E  433    4.8         1.0  115  KERMADEC ISLANDS REGION
05  00 26 44.7& 40.308 N   29.127 E    7                29  TURKEY. <ISK>. MD 3.5 (ISK).
05  00 30 25.3& 33.527 S   70.762 W   72                 9  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 1.7 (GUC).
05  00 44 19.9& 42.469 N   18.410 E   10                11  NORTHWESTERN BALKAN REGION. <PDG>. ML 2.4 (PDG).
05  01 04 16.8  37.692 N   20.260 E   33 N  4.2         1.2   49  IONIAN SEA. ML 4.1 (PDG).
05  01 27 27.5& 16.573 N   99.706 W    0                 8  NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.7 (UNM).
05  01 42 21.2& 34.375 S   69.999 W   15                10  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
05  01 59 18.1* 37.898 N   20.361 E   33 N  4.2         1.5   21  IONIAN SEA
05  02 20 33.9  33.199 N   47.225 E   39 D  5.3 4.9    1.1  295  WESTERN IRAN. Mw 5.4 (HRV). At least 100 houses damaged in
                                                                the Darreh Shahr area and minor damage in the Pol-e Dokhtar
                                                                area.
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                02:20:38.3; Lat 33.20 N; Lon 47.22 E; Dep 37.8; Half-
                                                                duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.25, Plg=80, Azm=149; (N) Val=0.23, Plg=9, Azm=301;
                                                                (P) Val=-1.49, Plg=5, Azm=32; Best double couple:
                                                                Mo=1.4*10**17 Nm; NP1: Strike=131, Dip=41, Slip=103; NP2:
                                                                Strike=294, Dip=50, Slip=79.
05  02 28 41.8* 34.368 N   23.734 E   33 N  4.2         1.5   14  CRETE
05  02 44 27.9  37.512 N   20.357 E   33 N  4.2         1.4   42  IONIAN SEA. ML 3.6 (ROM).
05  02 47 46.3& 36.600 N    3.350 W   16                 5  STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
05  03 09 41.6& 42.967 N   17.910 E   10                10  ADRIATIC SEA. <PDG>. ML 2.4 (PDG).
05  04 58 04.1* 24.934 S  179.521 E  548 ?  4.3       0.9   36  SOUTH OF FIJI ISLANDS
05  05 30 23.5& 33.864 S   71.814 W   33                13  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
05  06 16 46.9& 33.988 S   70.063 W    8                12  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
05  06 19 32.8& 33.213 S   70.283 W  106                 9  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 1.7 (GUC).
05  06 24 44.5*  9.130 S  110.766 E   33 N  3.5         1.0   11  SOUTH OF JAWA, INDONESIA
05  06 41 39.4& 32.480 S   69.990 W  119                11  MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.5 (GUC).
05  06 53 28.6  44.225 N   20.125 E   10 G              0.8   16  NORTHWESTERN BALKAN REGION. ML 3.7 (PDG).
05  06 59 39.6*  4.521 N  129.020 E   33 N              1.1    8  NORTH OF HALMAHERA, INDONESIA
05  07 10 27.7* 40.888 N   20.855 E   10 G              0.8   12  GREECE-ALBANIA BORDER REGION. ML 3.6 (PDG).
05  07 15 01.8& 44.078 N   20.007 E   12                 8  NORTHWESTERN BALKAN REGION. <PDG>. ML 2.8 (PDG).
05  07 20 08.1*  4.174 S  142.574 E  100 G  3.8         0.3    9  NEW GUINEA, PAPUA NEW GUINEA
05  07 57 51.6& 44.565 N    6.864 E    8                11  FRANCE. <GEN>. ML 2.2 (GEN).
05  08 04 42.7& 43.130 N    0.640 W    2 G              6  PYRENEES. <STR>. ML 2.5 (STR).
05  08 13 23.7* 21.880 S  179.642 W  632 ?  4.2       0.9   34  FIJI ISLANDS REGION
05  08 24 08.1& 44.557 N    6.868 E    3                 4  FRANCE. <GEN>. ML 1.6 (GEN).
05  09 11 34.8& 39.588 N   29.572 E   10 G              4  TURKEY. <ISK>. MD 2.7 (ISK).
05  09 28 42.3  44.231 N   20.047 E   10 G              1.0   14  NORTHWESTERN BALKAN REGION. ML 3.4 (PDG).
05  10 24 48.7  30.203 N   88.298 E   33 N  4.8 4.7    1.1   88  XIZANG. Mw 5.2 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                10:24:56.9; Lat 29.89 N; Lon 88.60 E; Dep 33.0 Fix; Half-
                                                                duration 1.1 sec; Principal axes (scale 10**16 Nm): (T)
                                                                Val=7.50, Plg=17, Azm=287; (N) Val=-0.77, Plg=6, Azm=195;
                                                                (P) Val=-6.73, Plg=72, Azm=84; Best double couple:
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Mo=7.1*10**16 Nm; NP1: Strike=26, Dip=29, Slip=-77; NP2: Strike=191, Dip=62, Slip=-97.

05	10	35	23.9*	12.301	S	166.819	E	264	?	4.5		1.3	43	SANTA CRUZ ISLANDS
05	10	40	53.5*	21.971	S	68.505	W	116	*			0.7	12	CHILE-BOLIVIA BORDER REGION
05	10	58	20.4&	45.975	N	15.517	E	10	G			0.5	5	NORTHWESTERN BALKAN REGION. ML 1.7 (LJU).
05	11	05	30.3&	39.935	S	174.999	E	33	N			0.6	12	NORTH ISLAND, NEW ZEALAND. ML 3.7 (WEL).
05	11	38	24.0&	63.263	N	150.727	W	135					37	CENTRAL ALASKA. <AEIC>.
05	11	44	03.8*	4.177	S	127.637	E	219	?	4.8		1.1	13	BANDA SEA
05	12	01	25.8&	32.709	S	69.118	W	23					14	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.4 (GUC).
05	12	06	16.1&	38.841	N	28.543	E	9					14	TURKEY. <ISK>. MD 3.0 (ISK).
05	12	23	13.5&	41.919	N	20.413	E	14					9	ALBANIA. <PDG>. ML 3.0 (PDG).
05	12	39	28.0*	50.410	N	6.792	E	10	G			1.5	9	GERMANY. ML 2.8 (LDG), 2.2 (STR).
05	13	12	14.0&	64.251	N	148.445	W	2					40	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.2 (PMR).
05	13	12	49.6&	34.806	S	71.743	W	40					13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
05	13	15	17.4&	31.924	S	70.152	W	141					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
05	13	21	24.5?	12.56	N	87.68	W	33	N	4.4		0.8	16	NEAR COAST OF NICARAGUA
05	13	27	42.0*	28.580	S	70.612	W	100	G			1.2	21	CENTRAL CHILE
05	13	37	12.3&	43.940	N	20.090	E	20					9	NORTHWESTERN BALKAN REGION. <PDG>. ML 2.7 (PDG).
05	14	23	13.0*	30.656	S	178.034	W	100	G	4.6		1.0	18	KERMADEC ISLANDS, NEW ZEALAND
05	14	41	04.7&	32.383	S	71.336	W	45					13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
05	15	06	27.2&	37.200	N	3.710	W	0	G				8	SPAIN. <MDD>. mbLg 2.2 (MDD).
05	15	31	39.7&	41.933	N	20.427	E	10					9	ALBANIA. <PDG>. ML 2.6 (PDG).
05	16	46	30.3*	6.849	S	129.844	E	100	G	4.6		1.0	7	BANDA SEA
05	16	59	23.3*	9.803	S	119.480	E	33	N			1.0	6	SUMBA REGION, INDONESIA
05	17	27	07.8&	36.460	N	2.730	W	0					13	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.5 (MDD). Felt (II) in the Adra area, Spain.
05	17	36	56.0	29.137	S	12.915	W	10	G	4.9	4.3	0.9	54	SOUTHERN MID-ATLANTIC RIDGE
05	18	02	40.8*	3.912	S	149.816	E	200	G	4.6		1.0	10	BISMARCK SEA
05	18	06	03.8&	37.440	N	3.800	W	21					20	SPAIN. <MDD>. mbLg 2.1 (MDD).
05	18	06	43.8*	38.055	N	20.345	E	33	N	4.0		1.4	12	GREECE
05	18	52	28.1*	3.707	S	101.818	E	59	*	4.8		1.2	37	SOUTHERN SUMATERA, INDONESIA. Felt (II) at Bengkulu.
05	19	50	07.3*	6.224	S	129.916	E	100	G	4.0		1.2	6	BANDA SEA
05	19	55	55.3	36.783	N	31.168	E	93		4.0		1.1	54	TURKEY. MD 3.7 (ISK).
05	20	54	28.6&	44.885	N	6.805	E	0					4	FRANCE. <GEN>. ML 1.5 (GEN).
05	20	56	54.1	52.886	N	160.207	E	33	N	4.6		1.0	54	OFF EAST COAST OF KAMCHATKA
05	20	58	38.3&	17.870	N	68.160	W	138					4	MONA PASSAGE. <MPR>. MD 3.0 (MPR).
05	21	43	18.0	8.357	S	124.071	E	100	G	4.7		1.1	23	TIMOR REGION, INDONESIA
05	22	40	44.4	7.418	N	94.304	E	106	D	4.8		0.8	118	NICOBAR ISLANDS, INDIA
06	00	35	55.7&	41.966	N	20.460	E	12					8	ALBANIA. <PDG>. ML 2.8 (PDG).
06	00	53	57.4?	32.92	N	88.47	E	33	N	4.5		1.5	18	XIZANG
06	01	27	14.0	31.250	N	137.585	W	10	G	4.4		0.8	57	NORTH PACIFIC OCEAN
06	02	48	53.2	42.481	N	18.527	E	10	G			0.8	11	NORTHWESTERN BALKAN REGION. ML 2.7 (PDG).
06	04	04	29.0	5.405	S	146.645	E	159		5.0		0.8	53	EASTERN NEW GUINEA REG., P.N.G.
06	04	58	14.7&	37.564	N	118.800	W	4					16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.1 (BRK).
06	06	49	00.7&	11.028	N	61.519	W	34					4	WINDWARD ISLANDS. <TRN>. MD 2.9 (TRN).
06	07	22	36.5*	40.359	N	63.271	E	33	N			1.3	10	NORTHWESTERN UZBEKISTAN
06	07	23	31.8	24.567	S	179.896	W	500	G	4.6		0.9	65	SOUTH OF FIJI ISLANDS
06	07	26	44.1&	39.258	N	27.739	E	14					5	TURKEY. <ISK>. MD 2.8 (ISK).
06	07	36	48.0&	32.591	S	70.118	W	108					16	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.8 (GUC).
06	07	57	28.7&	35.555	S	71.586	W	102					10	CENTRAL CHILE. <GUC>.
06	08	04	36.1&	39.374	N	29.256	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
06	08	20	23.9?	20.73	S	174.47	W	33	N	3.9		1.2	13	TONGA ISLANDS
06	08	38	16.9&	37.552	N	118.818	W	5					17	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK).
06	09	22	40.0&	39.431	N	29.243	E	13					4	TURKEY. <ISK>. MD 2.8 (ISK).
06	09	47	43.3&	17.070	N	99.332	W	62					17	GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
06	10	43	25.7&	39.592	N	29.485	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
06	11	02	55.4*	41.871	N	0.383	E	10	G			0.2	8	SPAIN. ML 3.4 (STR).
06	11	07	01.1*	1.327	S	100.250	E	33	N	3.9		1.1	12	SOUTHERN SUMATERA, INDONESIA
06	11	28	53.2	15.512	S	167.780	E	100	G	4.7		1.0	83	VANUATU ISLANDS
06	12	06	54.9*	23.895	S	179.872	E	600	G	4.3		0.6	13	SOUTH OF FIJI ISLANDS
06	12	27	41.9	37.247	N	21.107	E	10	G	5.0	5.2	1.2	275	SOUTHERN GREECE. Mw 5.4 (HRV). ML 4.8 (THE). Felt on Zakinthos. Also felt in parts of southern Greece. Centroid, Moment Tensor (HRV): Centroid origin time 12:27:49.1; Lat 37.85 N; Lon 20.48 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.40, Plg=51, Azm=166; (N) Val=0.03, Plg=37, Azm=322; (P) Val=-1.43, Plg=12, Azm=61; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=188, Dip=46, Slip=146; NP2: Strike=303, Dip=66, Slip=49.
06	13	32	51.1*	29.690	N	140.398	E	150	G			0.6	10	SOUTH OF HONSHU, JAPAN
06	13	49	16.4*	3.727	N	126.553	E	76	?	4.3		1.1	21	TALAUD ISLANDS, INDONESIA
06	13	50	02.4*	5.350	S	103.512	E	33	N			1.0	17	SOUTHERN SUMATERA, INDONESIA
06	14	14	38.2*	5.448	S	151.246	E	64	*	4.4		1.0	13	NEW BRITAIN REGION, P.N.G.
06	14	35	26.9	38.828	N	27.743	E	10	G			1.1	12	TURKEY. MD 3.4 (ISK).
06	14	35	46.7*	2.933	N	127.755	E	114	*	4.4		1.0	19	NORTHERN MOLUCCA SEA
06	14	39	07.5	1.360	N	126.948	E	153	*	4.8		1.4	28	NORTHERN MOLUCCA SEA
06	15	23	16.7*	6.003	S	151.736	E	33	N	4.3		1.1	15	NEW BRITAIN REGION, P.N.G.
06	15	59	03.9	39.290	N	27.649	E	10	G			1.1	7	TURKEY
06	16	01	25.8	32.947	S	109.044	W	10	G	5.2	4.3	0.7	49	SOUTHERN EAST PACIFIC RISE. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:01:34.2; Lat 32.89 S; Lon 109.05 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.33, Plg=0, Azm=226; (N) Val=-0.77, Plg=0, Azm=136; (P) Val=-3.56, Plg=90, Azm=180; Best double couple: Mo=3.9*10**16 Nm; NP1: Strike=316, Dip=45, Slip=-90; NP2: Strike=136, Dip=45, Slip=-90.
06	16	03	49.2&	58.928	N	152.296	W	80					90	KODIAK ISLAND REGION. <AEIC>.
06	16	03	57.4*	54.593	N	160.712	E	60	?	4.4		0.9	19	NEAR EAST COAST OF KAMCHATKA
06	16	14	23.3&	59.578	N	153.045	W	102					62	SOUTHERN ALASKA. <AEIC>.
06	16	29	31.3*	37.635	N	21.379	E	33	N			1.0	10	SOUTHERN GREECE
06	16	44	21.3	37.255	N	21.386	E	10	G	4.3		1.2	55	SOUTHERN GREECE

06	17	01	49.9&	38.863	N	27.691	E	10	G				10	TURKEY. <ISK>. MD 2.9 (ISK).
06	17	04	07.1&	38.851	N	27.658	E	8					10	TURKEY. <ISK>. MD 3.1 (ISK).
05	17	08	26.6&	16.294	N	98.494	W	5					9	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
06	17	15	40.6	46.464	N	14.443	E	10	G			0.8	8	NORTHWESTERN BALKAN REGION. ML 2.3 (VIE), 1.8 (LJU).
06	17	17	31.4&	45.300	N	6.600	E	2					6	FRANCE. <LDG>. ML 2.0 (LDG).
06	17	45	37.8	14.610	N	146.261	E	89	D	4.5		1.2	40	MARIANA ISLANDS
06	18	22	37.5?	32.41	S	108.28	W	10	G			1.1	9	SOUTHERN EAST PACIFIC RISE
06	18	25	46.3&	17.188	N	96.959	W	76					7	OAXACA, MEXICO. <UNM>. MD 3.8 (UNM).
06	18	27	08.8*	32.851	S	109.220	W	10	G	4.6		0.9	16	SOUTHERN EAST PACIFIC RISE
06	18	29	59.7*	32.875	S	109.079	W	10	G	4.8	4.5	1.1	32	SOUTHERN EAST PACIFIC RISE
06	18	44	59.3*	32.834	S	109.165	W	10	G	4.7		0.7	16	SOUTHERN EAST PACIFIC RISE
06	19	25	13.0*	46.214	N	13.588	E	10	G			1.0	8	AUSTRIA. ML 2.2 (VIE).
06	19	46	08.4	46.185	N	13.810	E	10	G			0.6	8	AUSTRIA. ML 2.3 (VIE).
06	19	55	11.6*	51.214	N	15.785	E	5	G			1.3	9	POLAND. ML 3.3 (VIE), 3.0 (WAR).
06	20	41	21.5	46.208	N	13.697	E	10	G			0.8	11	AUSTRIA. ML 2.4 (VIE).
06	20	46	58.2?	32.52	S	108.90	W	10	G			0.5	8	SOUTHERN EAST PACIFIC RISE
06	20	47	33.9&	38.879	N	27.692	E	9					7	TURKEY. <ISK>. MD 3.0 (ISK).
06	21	13	56.3&	44.343	N	7.367	E	5					7	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
06	22	07	03.0&	53.623	N	165.023	W	48					10	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.7 (AEIC).
06	22	39	29.6*	40.005	S	71.263	W	179		4.6		1.1	31	S. CHILE-ARGENTINA BORDER REGION
06	22	46	07.0&	43.900	N	7.900	E	2					15	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.1 (LDG), 2.1 (GEN).
06	23	07	34.4&	33.410	S	70.857	W	71					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
06	23	08	57.9*	42.005	N	142.000	E	33	N			0.9	8	HOKKAIDO, JAPAN REGION
07	00	06	29.6	46.208	N	13.776	E	10	G			0.9	14	AUSTRIA. ML 2.7 (VIE).
07	00	14	17.8	17.907	S	178.655	W	600	G	4.6		0.8	61	FIJI ISLANDS REGION
07	00	33	45.2*	3.594	N	126.719	E	33	N	4.1		1.2	12	TALAUD ISLANDS, INDONESIA
07	03	28	35.3&	33.840	S	70.407	W	104					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
07	03	44	38.1&	42.810	N	7.220	W	4					5	SPAIN. <MDD>. mbLg 2.5 (MDD).
07	03	44	41.7*	16.197	N	98.907	W	10	G			1.5	20	NEAR COAST OF GUERRERO, MEXICO. MD 4.3 (UNM).
07	04	13	13.6&	31.273	S	70.355	W	171					10	CHILE-ARGENTINA BORDER REGION. <GUC>.
07	04	37	13.3	5.499	N	77.561	W	100	G	4.2		1.0	25	NEAR WEST COAST OF COLOMBIA
07	04	50	59.7?	26.47	S	27.82	E	5	G			0.9	6	REPUBLIC OF SOUTH AFRICA
07	05	00	04.0	34.858	N	26.379	E	33	N	4.2		1.2	48	CRETE
07	05	23	23.5&	62.039	N	149.036	W	38		2.9			73	CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC), 3.5 (PMR).
07	05	43	17.3	51.119	N	178.863	E	33	N	4.4		0.9	33	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.2 (PMR).
07	05	56	35.8	51.282	N	178.764	E	33	N	4.7		0.9	63	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
07	06	18	48.2	46.126	N	14.839	E	10	G			0.3	7	NORTHWESTERN BALKAN REGION. ML 1.9 (LJU).
07	06	23	42.5	36.659	N	22.227	E	33	N	3.9		1.2	23	SOUTHERN GREECE
07	06	53	14.9	21.536	N	143.057	E	300	D	5.2		0.8	177	MARIANA ISLANDS REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:53:16.4; Lat 21.62 N; Lon 143.20 E; Dep 298.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.74, Plg=70, Azm=9; (N) Val=-0.97, Plg=7, Azm=260; (P) Val=-5.77, Plg=18, Azm=167; Best double couple: Mo=6.3*10**16 Nm; NP1: Strike=246, Dip=27, Slip=75; NP2: Strike=83, Dip=64, Slip=98.
07	07	19	52.9&	31.823	S	70.729	W	103					9	CHILE-ARGENTINA BORDER REGION. <GUC>.
07	07	34	38.9&	15.577	N	93.128	W	0					7	NEAR COAST OF CHIAPAS, MEXICO. <UNM>. MD 4.0 (UNM).
07	08	27	11.3&	60.139	N	153.073	W	123					68	SOUTHERN ALASKA. <AEIC>.
07	08	30	19.4	5.878	S	151.628	E	33	N	4.9	5.0	1.0	48	NEW BRITAIN REGION, P.N.G. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:30:24.8; Lat 6.12 S; Lon 151.94 E; Dep 15.0 Bdy; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.17, Plg=64, Azm=340; (N) Val=0.08, Plg=1, Azm=72; (P) Val=-2.24, Plg=26, Azm=162; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=254, Dip=19, Slip=93; NP2: Strike=71, Dip=71, Slip=89.
07	09	17	00.3&	37.636	N	118.826	W	9					10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
07	09	36	45.8&	18.980	N	67.960	W	178					4	MONA PASSAGE. <MPR>. MD 3.1 (MPR).
07	09	38	44.4*	0.561	S	128.018	E	33	N	3.8		1.5	13	HALMAHERA, INDONESIA
07	10	08	32.3*	17.820	S	167.330	E	33	N	4.4		1.2	17	VANUATU ISLANDS
07	10	10	51.8&	33.059	S	70.417	W	97					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
07	11	03	58.5&	39.618	N	29.456	E	6					5	TURKEY. <ISK>. MD 2.7 (ISK).
07	11	20	18.5&	39.618	N	29.459	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
07	11	26	41.7&	43.000	N	0.400	W	2					5	PYRENEES. <LDG>. ML 2.3 (LDG).
07	11	30	44.4?	5.90	S	151.77	E	33	N	4.1		1.5	10	NEW BRITAIN REGION, P.N.G.
07	11	37	03.9?	11.81	N	86.75	W	33	N	3.9		1.1	9	NEAR COAST OF NICARAGUA
07	11	40	42.7*	45.140	N	149.956	E	33	N	4.2		0.3	8	KURIL ISLANDS
07	11	57	12.1	5.983	S	151.761	E	33	N	4.8	4.8	1.3	40	NEW BRITAIN REGION, P.N.G. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:57:16.0; Lat 6.27 S; Lon 152.05 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.28, Plg=68, Azm=0; (N) Val=0.08, Plg=6, Azm=255; (P) Val=-1.36, Plg=21, Azm=162; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=241, Dip=25, Slip=76; NP2: Strike=77, Dip=66, Slip=97.
07	12	09	38.1*	2.574	N	126.673	E	102	*	4.5		1.0	18	NORTHERN MOLUCCA SEA
07	12	16	09.6*	5.421	S	151.471	E	71	*	4.1		0.9	12	NEW BRITAIN REGION, P.N.G.
07	13	41	01.9	12.902	N	146.719	E	34	D	5.0	4.5	0.9	94	SOUTH OF MARIANA ISLANDS
07	14	07	32.5	35.200	S	179.544	W	66	*	4.9		1.0	45	EAST OF NORTH ISLAND, N.Z. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:07:31.9; Lat 34.97 S; Lon 178.76 W; Dep 18.9; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=7.31, Plg=70, Azm=306; (N) Val=0.91, Plg=7, Azm=196; (P) Val=-8.22, Plg=18, Azm=104; Best double couple: Mo=7.8*10**16 Nm; NP1: Strike=182, Dip=27, Slip=74; NP2: Strike=19, Dip=64, Slip=98.
07	15	41	52.7*	35.218	S	179.756	W	68	?	4.5		1.0	24	EAST OF NORTH ISLAND, N.Z.
07	16	37	37.6&	31.935	S	72.834	W	16					11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
07	16	53	17.4&	32.078	S	69.518	W	10					13	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.9 (GUC).
07	16	58	02.7&	33.135	S	70.270	W	5					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
07	17	05	55.1*	15.820	N	94.060	W	92	*	3.8		1.4	25	NEAR COAST OF OAXACA, MEXICO. MD 4.4 (UNM).
07	17	06	05.6&	47.500	N	2.000	W	2					7	FRANCE. <LDG>. ML 2.4 (LDG).

07	17	47	02.8*	1.735	N	125.905	E	33	N	4.4	1.0	17	NORTHERN MOLUCCA SEA
07	18	29	47.7	34.373	N	25.136	E	10	G		0.7	21	CRETE
07	18	39	42.8&	53.600	N	0.290	W	31				27	UNITED KINGDOM. <BGS>. ML 3.1 (LDG), 2.8 (BGS).
07	18	47	34.5	33.800	N	25.620	E	10	G	4.9 4.7	1.0	244	EASTERN MEDITERRANEAN SEA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:47:38.7; Lat 34.02 N; Lon 25.84 E; Dep 21.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.08, Plg=41, Azm=282; (N) Val=0.60, Plg=49, Azm=97; (P) Val=-5.68, Plg=3, Azm=190; Best double couple: Mo=5.4*10**16 Nm; NP1: Strike=318, Dip=60, Slip=150; NP2: Strike=63, Dip=65, Slip=33.
07	19	13	10.6	33.776	N	25.599	E	10	G	4.2	1.0	23	EASTERN MEDITERRANEAN SEA
07	19	24	26.8	33.850	N	25.755	E	10	G	3.7	1.0	31	EASTERN MEDITERRANEAN SEA
07	20	09	54.1&	33.093	S	70.750	W	69				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
07	20	13	15.5*	17.564	S	179.258	W	600	G	4.5	0.5	12	FIJI ISLANDS REGION
07	21	02	15.5*	5.783	S	151.719	E	33	N	4.5	0.7	13	NEW BRITAIN REGION, P.N.G.
07	21	30	08.1&	48.200	N	4.600	W	2				4	FRANCE. <LDG>. ML 2.2 (LDG).
07	21	54	38.0&	32.340	S	71.400	W	43				9	NEAR COAST OF CENTRAL CHILE. <GUC>.
07	22	46	41.3*	5.062	S	77.874	W	48	*	4.6	0.9	36	NORTHERN PERU
07	22	53	37.6&	43.000	N	0.100	E	2				7	FRANCE. <LDG>. ML 2.6 (STR), 2.2 (LDG).
07	23	28	57.2&	59.913	N	153.049	W	116				45	SOUTHERN ALASKA. <AEIC>.
07	23	31	38.1*	7.346	S	120.230	E	594	*	4.2	0.7	13	FLORES SEA
07	23	37	51.6*	42.264	N	126.466	W	10	G	3.9	0.8	8	OFF COAST OF OREGON
07	23	49	37.6	42.395	N	126.741	W	10	G	4.8 4.2	0.9	123	OFF COAST OF OREGON. MD 4.5 (SEA).
07	23	58	59.2	42.355	N	126.728	W	10	G	3.8	0.9	64	OFF COAST OF OREGON. MD 4.1 (SEA).
08	00	18	12.8?	12.48	N	144.07	E	33	N		0.8	6	SOUTH OF MARIANA ISLANDS
08	00	38	29.1?	17.72	S	178.84	W	600	G	4.5	0.6	14	FIJI ISLANDS REGION
08	00	46	32.3&	34.874	S	71.008	W	94				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
08	01	21	02.9&	40.132	S	174.561	E	10	G		0.4	7	COOK STRAIT, NEW ZEALAND. ML 3.7 (WEL).
08	01	31	16.3	42.516	N	126.784	W	10	G	4.1	1.1	49	OFF COAST OF OREGON
08	01	44	22.7*	42.464	N	126.388	W	10	G		0.9	17	OFF COAST OF OREGON
08	01	58	28.0&	17.980	N	68.020	W	91				6	MONA PASSAGE. <MPR>. MD 4.0 (MPR).
08	02	26	35.2&	61.338	N	146.848	W	14				121	SOUTHERN ALASKA. <AEIC>. ML 3.8 (AEIC), 4.0 (PMR). Felt in the Valdez area.
08	02	57	26.1&	61.336	N	146.783	W	15				82	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
08	03	30	51.6?	32.23	S	178.46	W	33	N		0.8	9	SOUTH OF KERMADEC ISLANDS
08	03	31	41.7&	44.534	N	7.255	E	10				16	NORTHERN ITALY. <GEN>. ML 2.0 (GEN), 1.8 (LDG).
08	03	34	21.0?	31.56	S	69.58	W	150	G		0.6	12	SAN JUAN PROVINCE, ARGENTINA. MD 3.4 (GUC).
08	03	50	15.4	37.718	N	20.382	E	10	G	4.7	1.2	177	IONIAN SEA. ML 4.7 (THE), 4.7 (PDG). Felt on Zakinthos. Also felt in parts of southern Greece.
08	04	04	22.0	24.973	S	179.359	W	404	D	4.7	1.0	91	SOUTH OF FIJI ISLANDS
08	04	05	10.4*	34.210	S	179.810	E	33	N	4.7	1.1	25	SOUTH OF KERMADEC ISLANDS
08	04	06	28.6&	34.306	S	70.022	W	4				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
08	04	08	38.0*	37.897	N	20.267	E	10	G	4.4	0.8	10	IONIAN SEA
08	04	36	02.3	6.784	N	73.011	W	162	D	4.2	1.0	43	NORTHERN COLOMBIA
08	04	51	42.8	16.119	S	71.404	W	136	D	6.1	0.9	461	SOUTHERN PERU. Mw 6.2 (GS), 6.2 (HRV). Me 6.3 (GS). mb 6.4 (BRK). Light damage at Arequipa. Felt strongly at Atico, Ilo and Mollendo. Also felt (IV) at Arica, Chile. Several landslides occurred along the Pan-American highway. Broadband Source Parameters (GS): Dep 136; NP1: Strike=320, Dip=75, Slip=-90; NP2: Strike=140, Dip=15, Slip=-90; Radiated energy 6.7*10**13 Nm. Moment Tensor (GS): Dep 133; Principal axes (scale 10**18 Nm): (T) Val=2.51, Plg=28, Azm=59; (N) Val=-0.52, Plg=8, Azm=324; (P) Val=-1.99, Plg=61, Azm=220; Best double couple: Mo=2.2*10**18 Nm; NP1: Strike=169, Dip=19, Slip=-65; NP2: Strike=322, Dip=73, Slip=-98. Centroid, Moment Tensor (HRV): Centroid origin time 04:51:46.3; Lat 16.02 S; Lon 71.59 W; Dep 140.6; Half-duration 3.0 sec; Principal axes (scale 10**18 Nm): (T) Val=2.07, Plg=21, Azm=64; (N) Val=-0.12, Plg=19, Azm=326; (P) Val=-1.95, Plg=61, Azm=197; Best double couple: Mo=2.0*10**18 Nm; NP1: Strike=185, Dip=29, Slip=-47; NP2: Strike=318, Dip=69, Slip=-111.
08	06	16	21.4&	83.342	N	3.681	W	10	G		0.5	6	NORTH OF SVALBARD
08	06	25	38.3	16.979	N	101.222	W	16		4.0	1.0	39	NEAR COAST OF GUERRERO, MEXICO. MD 4.3 (UNM).
08	07	23	05.8*	12.440	S	168.817	E	650	G	4.1	0.3	15	SANTA CRUZ ISLANDS REGION
08	07	26	16.1&	59.882	N	153.555	W	131				60	SOUTHERN ALASKA. <AEIC>.
08	07	36	28.7*	9.109	S	109.557	W	10	G	4.8 4.9	1.3	44	CENTRAL EAST PACIFIC RISE. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:36:33.3; Lat 8.93 S; Lon 109.78 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.85, Plg=0, Azm=139; (N) Val=0.00, Plg=84, Azm=229; (P) Val=-1.85, Plg=6, Azm=49; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=184, Dip=86, Slip=-176; NP2: Strike=94, Dip=86, Slip=-4.
08	07	47	39.5*	7.019	S	129.434	E	135	?	4.3	1.2	9	BANDA SEA
08	07	51	27.1*	5.011	S	144.808	E	33	N		1.1	5	NEW GUINEA, PAPUA NEW GUINEA
08	08	04	37.6&	63.078	N	150.824	W	127				58	CENTRAL ALASKA. <AEIC>.
08	08	05	25.8*	37.386	N	69.877	E	33	N		1.1	14	AFGHANISTAN-TAJIKISTAN BORD REG.
08	08	06	56.8&	64.527	N	149.298	W	15				30	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.0 (PMR).
08	09	23	31.9&	17.951	N	101.780	W	113				7	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.8 (UNM).
08	09	47	39.7	15.049	S	173.718	W	153	D	4.5	0.9	39	TONGA ISLANDS
08	09	57	36.1&	41.914	N	20.502	E	12				9	ALBANIA. <PDG>. ML 2.6 (PDG).
08	10	08	01.2&	34.344	S	70.211	W	7				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
08	10	42	22.7	41.965	N	23.061	E	10	G		0.6	8	GREECE-BULGARIA BORDER REGION
08	10	43	26.1*	17.994	N	75.119	W	21	D	4.2	0.8	24	JAMAICA REGION
08	11	16	48.0?	5.14	S	151.09	E	33	N	3.8	1.2	9	NEW BRITAIN REGION, P.N.G.
08	11	32	34.7&	37.195	N	121.653	W	6				13	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
08	11	38	34.0&	34.597	S	70.792	W	100				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
08	12	32	09.0&	34.383	S	70.084	W	3				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC).
08	13	11	48.6&	33.780	S	71.191	W	59				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.9 (GUC).
08	13	21	41.3&	31.285	S	71.552	W	31				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).

08	13	23	48.8&	36.470	N	3.940	W	15				22	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.6 (MDD).
08	13	31	49.6&	34.868	S	71.387	W	54				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
08	13	57	40.7&	62.612	N	151.178	W	96				75	CENTRAL ALASKA. <AEIC>.
08	14	59	53.8*	6.660	S	147.350	E	38	*	3.5	1.1	13	EASTERN NEW GUINEA REG., P.N.G.
08	15	01	13.4?	23.68	N	68.80	E	33	N		0.8	7	INDIA-PAKISTAN BORDER REG.
08	15	23	33.3*	5.970	S	151.468	E	73	*	3.7	0.4	11	NEW BRITAIN REGION, P.N.G.
08	15	33	02.4?	15.98	S	174.10	W	70	?	4.0	0.5	10	TONGA ISLANDS
08	15	54	11.1*	45.746	N	153.716	E	33	N	4.1	0.9	15	EAST OF KURIL ISLANDS
08	15	57	38.6*	5.485	S	147.085	E	219		4.4	1.1	15	EASTERN NEW GUINEA REG., P.N.G.
08	16	21	09.0	30.735	S	121.468	E	10	G		0.8	7	WESTERN AUSTRALIA
08	16	48	22.6?	44.35	N	148.45	E	33	N		1.5	6	KURIL ISLANDS
08	17	14	14.9&	17.730	N	101.678	W	0				12	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
08	17	19	49.0?	20.59	N	143.73	E	33	N	3.6	0.2	6	MARIANA ISLANDS REGION
08	17	42	53.6?	2.73	N	126.99	E	33	N	3.9	0.4	7	NORTHERN MOLUCCA SEA
08	17	47	04.0?	3.46	N	126.43	E	33	N	4.1	0.7	7	TALAUD ISLANDS, INDONESIA
08	18	40	35.4&	34.347	S	70.232	W	10				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
08	18	41	17.9*	49.458	N	156.861	E	33	N	4.2	1.5	12	KURIL ISLANDS. Felt (II) at Severo-Kurilsk.
08	19	34	08.4*	47.949	S	102.518	E	10	G	3.8	0.2	8	SOUTHEAST INDIAN RIDGE
08	19	55	22.7*	40.830	N	51.929	E	33	N	4.0	1.3	11	CASPIAN SEA
08	20	19	08.4?	47.97	S	102.66	E	10	G	3.8	0.4	6	SOUTHEAST INDIAN RIDGE
08	20	43	28.2*	5.591	S	154.207	E	150	G	4.1	0.8	12	SOLOMON ISLANDS
08	20	48	07.4	38.742	N	40.403	E	10	G	4.6	1.1	64	TURKEY. MD 4.4 (ISK). Felt in the Bingol area.
08	21	09	45.2&	45.000	N	6.700	E	2				6	FRANCE. <LDG>. ML 1.6 (LDG).
08	21	18	43.2*	44.089	N	44.218	E	33	N	3.7	1.2	9	UKRAINE-MOLDOVA-SW RUSSIA REGION
08	21	18	51.5*	7.036	S	129.716	E	89	?	4.3	1.4	17	BANDA SEA
08	21	23	27.0	4.877	S	103.104	E	33	N	5.2 4.3	1.0	90	SOUTHERN SUMATERA, INDONESIA
08	21	29	41.8*	9.153	S	120.587	E	33	N	3.8	1.5	13	SUMBA REGION, INDONESIA
08	21	47	33.4&	36.710	N	2.830	W	0	G			18	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.9 (MDD). Felt (III) at Adra, Berja and El Ejido, Spain.
08	21	53	19.8&	34.067	S	71.663	W	42				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
08	22	13	50.1&	61.571	N	149.980	W	35				69	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
08	22	22	10.0&	45.400	N	6.600	E	2				6	FRANCE. <LDG>. ML 1.9 (LDG).
08	22	52	24.1*	35.078	S	179.411	W	50	*	4.8	1.1	43	EAST OF NORTH ISLAND, N.Z.
08	23	13	40.5*	44.657	N	17.886	E	10	G		0.6	14	NORTHWESTERN BALKAN REGION. ML 3.5 (VIE), 3.2 (TRI).
08	23	59	19.5&	32.473	S	71.699	W	25				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
09	00	34	34.6&	59.942	N	153.600	W	140		3.6		101	SOUTHERN ALASKA. <AEIC>.
09	00	47	50.0&	31.186	S	71.677	W	23				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
09	02	17	51.3&	32.760	S	71.716	W	17				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
09	02	18	48.3&	43.181	N	20.562	E	10				10	NORTHWESTERN BALKAN REGION. <PDG>. ML 2.7 (PDG).
09	02	52	22.4&	31.195	S	71.590	W	23				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
09	02	52	36.4&	17.945	N	98.410	W	7				17	GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
09	02	53	08.8&	35.930	N	3.320	W	16				5	STRAIT OF GIBRALTAR. <MDD>.
09	03	13	40.6?	6.24	S	148.14	E	33	N		1.5	6	NEW BRITAIN REGION, P.N.G.
09	03	51	33.0&	30.798	S	72.489	W	10				9	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
09	03	53	41.8*	6.953	S	125.167	E	542	*	4.2	0.7	16	BANDA SEA
09	03	58	49.8*	32.528	S	68.493	W	10	G		0.8	14	MENDOZA PROVINCE, ARGENTINA. MD 3.8 (GUC).
09	04	05	52.1&	38.290	N	0.050	W	15				9	SPAIN. <MDD>. mbLg 2.6 (MDD).
09	04	12	27.9*	46.176	N	152.081	E	33	N	4.1	1.4	17	KURIL ISLANDS
09	04	20	58.5*	0.473	S	123.152	E	33	N		1.0	6	MINAHASSA PENINSULA, SULAWESI
09	04	41	28.3*	1.673	N	127.154	E	124	?	4.3	1.1	17	HALMAHERA, INDONESIA
09	04	50	07.5&	19.397	N	155.241	W	28		4.0		40	HAWAII. <HVO-P>. MD 4.3 (HVO). Felt (IV) in the Hilo-Puna area. Felt as far as Kailua-Kona and Waimea.
09	05	11	59.6	37.718	N	20.389	E	10	G	4.4	1.1	89	IONIAN SEA. ML 4.6 (PDG), 4.5 (THE). Felt on Zakinthos. Also felt in parts of southern Greece.
09	05	21	28.5&	33.703	S	70.311	W	105				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
09	05	37	52.6	15.393	S	173.392	W	33	N	5.0 5.1	0.9	99	TONGA ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:37:57.7; Lat 15.47 S; Lon 172.95 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.14, Plg=63, Azm=284; (N) Val=0.02, Plg=9, Azm=177; (P) Val=-2.15, Plg=26, Azm=82; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=153, Dip=21, Slip=65; NP2: Strike=0, Dip=71, Slip=99.
09	05	40	37.8*	15.017	S	173.677	W	94	*	4.5	1.0	52	TONGA ISLANDS
09	06	01	56.4&	10.959	N	138.906	E	33	N		0.6	7	WESTERN CAROLINE ISLANDS
09	06	02	50.2&	61.845	N	152.199	W	136				38	SOUTHERN ALASKA. <AEIC>.
09	06	27	12.1	18.777	N	145.256	E	589		4.8	1.0	114	MARIANA ISLANDS
09	06	38	38.9	9.236	S	118.256	E	106	?	4.0	0.8	8	SUMBAWA REGION, INDONESIA
09	06	42	48.1	46.205	N	13.445	E	10	G		0.8	11	AUSTRIA. ML 2.4 (VIE), 1.9 (LJU).
09	07	20	47.3&	31.771	S	70.829	W	108				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
09	08	06	58.0	46.155	N	13.794	E	10	G		0.7	15	AUSTRIA. ML 2.9 (VIE), 2.4 (TRI), 2.4 (LJU). Felt (IV) at Bovec and Kobarid, Slovenia.
09	08	57	01.9*	13.656	N	45.779	W	10	G	4.4	1.1	20	NORTHERN MID-ATLANTIC RIDGE
09	10	24	27.5	47.648	S	75.593	W	10	G	5.3 4.5	1.0	69	SOUTHERN CHILE. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:24:37.7; Lat 47.21 S; Lon 76.50 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.73, Plg=56, Azm=0; (N) Val=1.18, Plg=32, Azm=162; (P) Val=-6.91, Plg=8, Azm=258; Best double couple: Mo=6.3*10**16 Nm; NP1: Strike=19, Dip=46, Slip=138; NP2: Strike=142, Dip=61, Slip=52.
09	10	47	10.7*	50.002	N	176.840	W	33	N	4.1	1.2	14	ANDREANOF ISLANDS, ALEUTIAN IS.
09	11	36	25.3&	44.450	N	6.858	E	2				8	FRANCE. <GEN>. ML 2.2 (GEN).
09	11	54	36.1	11.321	N	86.451	W	69		5.5 5.7	1.1	219	NEAR COAST OF NICARAGUA. Mw 6.0 (GS), 6.0 (HRV). Me 5.4 (GS). Felt at Managua and in Carazo, Granada, Masaya and Rivas Departments. Felt at Filadelfia and Liberia, Costa Rica. Also felt in much of Guanacaste Province, Costa Rica. Broadband Source Parameters (GS): Dep 16; NP1: Strike=140, Dip=70, Slip=100; NP2: Strike=293, Dip=22, Slip=64; Radiated energy 2.8*10**12 Nm. Two events about 2.5 seconds apart. Depths 16 and 18 km, respectively. Moment Tensor (GS): Dep 21; Principal axes (scale 10**18 Nm): (T) Val=1.12, Plg=41, Azm=4; (N) Val=0.05, Plg=45,

													Azm=154; (P) Val=-1.17, Plg=16, Azm=260; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=33, Dip=49, Slip=159; NP2: Strike=137, Dip=74, Slip=43. Centroid, Moment Tensor (HRV): Centroid origin time 11:54:39.5; Lat 11.08 N; Lon 86.93 W; Dep 32.9; Half-duration 2.6 sec; Principal axes (scale 10**18 Nm): (T) Val=1.22, Plg=66, Azm=34; (N) Val=0.06, Plg=0, Azm=303; (P) Val=-1.28, Plg=24, Azm=213; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=302, Dip=21, Slip=89; NP2: Strike=123, Dip=69, Slip=90.
09	12	01	04.8?	14.47	S	174.21	W	33	N	3.9		1.0	8	SAMOA ISLANDS REGION
09	12	20	44.1&	32.547	S	71.694	W	8					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
09	12	52	53.2	22.110	N	121.751	E	37		5.1		1.0	114	TAIWAN REGION
09	13	43	05.9&	41.866	N	20.484	E	5					9	ALBANIA. <PDG>. ML 2.4 (PDG).
09	13	47	33.6	4.961	S	134.278	E	33	N	4.7		1.0	26	IRIAN JAYA REGION, INDONESIA
09	14	00	03.3*	21.175	N	122.059	E	33	N			0.8	6	TAIWAN REGION
09	15	14	56.2	33.800	N	136.394	E	402				0.6	12	NEAR S. COAST OF WESTERN HONSHU
09	15	33	58.7*	33.549	S	68.704	W	33	N			0.6	9	MENDOZA PROVINCE, ARGENTINA
09	16	00	49.7	59.445	N	144.023	W	10	G			1.0	41	GULF OF ALASKA. ML 3.2 (PGC), 3.1 (AEIC).
09	16	43	08.2&	46.203	N	120.709	W	3		3.7			101	WASHINGTON. <SEA-P>. MD 4.0 (SEA).
09	17	28	59.0&	62.702	N	149.721	W	76					42	CENTRAL ALASKA. <AEIC>.
09	17	30	58.9*	45.209	N	13.969	E	10	G			1.0	8	NORTHERN ITALY. ML 2.5 (VIE), 1.7 (LJU).
09	17	33	29.2*	32.976	S	109.266	W	10	G	4.4	4.1	0.7	21	SOUTHERN EAST PACIFIC RISE
09	17	55	33.6&	54.449	N	161.580	W	5					18	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
09	19	04	50.7*	0.536	S	125.518	E	100	G	4.2		0.6	11	SOUTHERN MOLUCCA SEA
09	19	31	48.1	30.164	S	71.843	W	42	*	4.4		0.9	36	NEAR COAST OF CENTRAL CHILE. MD 4.6 (GUC). Felt (III) at Coquimbo, La Serena and Vicuna.
09	20	24	18.6&	33.798	S	72.087	W	14					10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
09	21	11	59.2	35.407	N	30.864	E	33	N			0.7	14	EASTERN MEDITERRANEAN SEA
09	21	19	27.6&	46.192	N	15.918	E	10	G			0.3	5	NORTHWESTERN BALKAN REGION. ML 1.7 (LJU).
09	23	29	09.4&	44.900	N	6.300	E	2					15	FRANCE. <LDG>. ML 2.0 (LDG).
10	00	06	54.5&	59.951	N	140.699	W	0					22	SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PGC).
10	01	16	09.3	33.555	S	72.049	W	46		4.7	4.6	1.0	75	OFF COAST OF CENTRAL CHILE. MD 4.8 (GUC).
10	02	30	47.9	33.879	N	25.659	E	33	N	4.0		1.0	42	EASTERN MEDITERRANEAN SEA
10	02	49	19.9&	18.250	N	66.290	W	6					8	PUERTO RICO REGION. <MPR>. MD 3.2 (MPR).
10	03	08	43.3?	11.09	N	86.95	W	33	N	4.1		1.4	10	NEAR COAST OF NICARAGUA
10	03	16	38.8	11.366	N	86.778	W	100	G	4.5		1.1	40	NEAR COAST OF NICARAGUA
10	03	39	03.8&	33.543	S	72.229	W	15					11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
10	04	12	08.7	33.518	S	72.078	W	33	N	5.3	5.2	1.0	185	OFF COAST OF CENTRAL CHILE. Mw 5.7 (HRV). MD 5.2 (GUC). Felt (V) at Llolleo and San Antonio; (IV) at Puchuncavi, Quilpue, Quintero, Valparaiso, Villa Alemana, Vina del Mar and Zapallar; (III) at Santiago; (II) at Curico, San Felipe and Talca. Centroid, Moment Tensor (HRV): Centroid origin time 04:12:10.6; Lat 33.87 S; Lon 72.48 W; Dep 19.8; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.42, Plg=71, Azm=88; (N) Val=0.11, Plg=1, Azm=355; (P) Val=-3.53, Plg=19, Azm=264; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=352, Dip=26, Slip=87; NP2: Strike=175, Dip=64, Slip=91.
10	04	17	10.5?	12.16	N	87.34	W	100	G	4.2		1.4	31	NEAR COAST OF NICARAGUA
10	04	20	26.6	33.579	S	72.203	W	33	N	4.5		0.9	40	OFF COAST OF CENTRAL CHILE. MD 4.7 (GUC).
10	04	26	58.3	10.506	S	161.450	E	33	N	5.0	4.6	1.0	62	SOLOMON ISLANDS
10	04	30	28.2&	46.202	N	120.701	W	3					72	WASHINGTON. <SEA-P>. MD 3.2 (SEA).
10	05	40	22.0	7.381	N	126.793	E	75		4.9		1.1	67	MINDANAO, PHILIPPINE ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:40:24.8; Lat 6.96 N; Lon 126.77 E; Dep 71.0; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.08, Plg=64, Azm=206; (N) Val=-0.09, Plg=18, Azm=339; (P) Val=-0.99, Plg=18, Azm=75; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=191, Dip=32, Slip=127; NP2: Strike=330, Dip=65, Slip=70.
10	05	54	55.3*	19.702	N	147.598	E	33	N	4.2		1.2	14	MARIANA ISLANDS REGION
10	05	56	35.3&	33.481	S	72.190	W	17					16	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
10	06	45	39.7	3.803	N	126.203	E	52	*	4.5		1.1	34	TALAUD ISLANDS, INDONESIA
10	06	50	31.4&	36.959	N	121.576	W	7					22	CENTRAL CALIFORNIA. <GM-P>. Mw 3.8 (BRK). ML 4.0 (GM), 4.1 (BRK). Felt at Gilroy, Morgan Hill, Pescadero and as far north as San Francisco. Moment Tensor (BRK): Dep 5; Principal axes (scale 10**14 Nm): (T) Val=5.51, Plg=18, Azm=253; (N) Val=0.00, Plg=70, Azm=50; (P) Val=-5.51, Plg=7, Azm=161; Best double couple: Mo=5.5*10**14 Nm; NP1: Strike=28, Dip=82, Slip=18; NP2: Strike=296, Dip=72, Slip=172.
10	07	19	50.1?	35.67	N	3.53	E	10	G			1.0	24	NORTHERN ALGERIA
10	07	29	43.0	39.573	N	28.658	E	10	G			1.5	11	TURKEY
10	08	49	11.0	20.992	S	178.048	W	500	G	4.5		0.6	24	FIJI ISLANDS REGION
10	08	57	01.7&	58.090	N	154.252	W	56					41	ALASKA PENINSULA. <AEIC>. ML 2.6 (AEIC).
10	09	08	05.4&	59.984	N	152.222	W	83					42	SOUTHERN ALASKA. <AEIC>.
10	09	10	13.4*	31.760	S	178.087	W	33	N	4.4		0.9	13	KERMADEC ISLANDS REGION
10	09	19	20.5*	44.273	N	20.265	E	10	G			0.7	10	NORTHWESTERN BALKAN REGION. ML 2.8 (PDG).
10	10	13	01.1&	60.136	N	152.670	W	96					98	SOUTHERN ALASKA. <AEIC>.
10	10	37	49.3*	18.094	S	178.151	W	600	G	4.6		1.1	32	FIJI ISLANDS REGION
10	11	49	40.7*	39.371	N	143.363	E	33	N			1.1	14	OFF EAST COAST OF HONSHU, JAPAN
10	12	10	31.7	39.377	N	143.339	E	33	N	4.7		0.9	49	OFF EAST COAST OF HONSHU, JAPAN
10	12	53	06.6*	7.889	S	158.320	E	78	?	4.1		0.9	16	SOLOMON ISLANDS
10	12	57	02.9&	35.880	N	1.980	W	0	G				22	NORTHERN ALGERIA. <MDD>. mbLg 2.6 (MDD).
10	12	57	48.7*	35.974	S	179.699	W	150	G	4.6		1.2	17	EAST OF NORTH ISLAND, N.Z.
10	13	28	06.4&	59.735	N	152.893	W	92					63	SOUTHERN ALASKA. <AEIC>.
10	14	03	18.6&	34.929	S	71.111	W	94					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
10	15	46	05.2&	42.800	N	0.700	E	19					16	PYRENEES. <LDG>. ML 2.6 (LDG), 2.6 (STR). mbLg 2.3 (MDD).
10	15	55	06.2*	54.726	N	163.081	E	33	N	4.2		1.0	12	OFF EAST COAST OF KAMCHATKA
10	16	29	08.1	0.384	S	119.859	E	33	N	5.4		1.2	153	MINAHASSA PENINSULA, SULAWESI. Mw 5.9 (HRV), 5.8 (GS). Me 5.5 (GS). Houses damaged at Donggala. Felt (VI) at Palu and

(IV) at Poso. Also felt at Kabonga.
Broadband Source Parameters (GS): Dep 14; NP1: Strike=212, Dip=80, Slip=105; NP2: Strike=335, Dip=18, Slip=34; Radiated energy 4.3*10**12 Nm.
Moment Tensor (GS): Dep 15; Principal axes (scale 10**17 Nm): (T) Val=6.03, Plg=48, Azm=122; (N) Val=-0.12, Plg=8, Azm=221; (P) Val=-5.91, Plg=41, Azm=318; Best double couple: Mo=6.0*10**17 Nm; NP1: Strike=107, Dip=9, Slip=156; NP2: Strike=221, Dip=86, Slip=82.
Centroid, Moment Tensor (HRV): Centroid origin time 16:29:13.3; Lat 0.10 N; Lon 120.15 E; Dep 36.1; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=6.92, Plg=58, Azm=180; (N) Val=1.18, Plg=25, Azm=43; (P) Val=-8.10, Plg=19, Azm=303; Best double couple: Mo=7.5*10**17 Nm; NP1: Strike=359, Dip=34, Slip=41; NP2: Strike=233, Dip=69, Slip=117.

10	16	31	44.8	46.224	N	13.547	E	10	G			0.7	8	AUSTRIA. ML 2.1 (VIE), 1.5 (LJU).
10	16	32	19.4	0.403	S	119.840	E	33	N	5.7	5.6	1.2	146	MINAHASSA PENINSULA, SULAWESI. Mw 6.0 (GS), 6.0 (HRV). Me 5.5 (GS). Felt (VI) at Donggala and Palu; (IV) at Poso.

Broadband Source Parameters (GS): Dep 18; NP1: Strike=235, Dip=70, Slip=105; NP2: Strike=17, Dip=25, Slip=55; Radiated energy 4.3*10**12 Nm.
Moment Tensor (GS): Dep 11; Principal axes (scale 10**18 Nm): (T) Val=1.22, Plg=43, Azm=177; (N) Val=0.00, Plg=31, Azm=52; (P) Val=-1.22, Plg=31, Azm=301; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=338, Dip=32, Slip=13; NP2: Strike=236, Dip=83, Slip=122.
Centroid, Moment Tensor (HRV): Centroid origin time 16:32:29.4; Lat 0.32 N; Lon 120.55 E; Dep 30.3; Half-duration 2.3 sec; Principal axes (scale 10**18 Nm): (T) Val=1.31, Plg=54, Azm=177; (N) Val=-0.23, Plg=25, Azm=46; (P) Val=-1.08, Plg=23, Azm=305; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=355, Dip=31, Slip=35; NP2: Strike=235, Dip=73, Slip=116.

10	17	16	00.6&	55.553	N	163.138	W	197		4.3			41	UNIMAK ISLAND REGION. <AEIC>.
10	17	34	32.2*	20.779	S	178.921	W	613	?	4.3		0.9	31	FIJI ISLANDS REGION
10	17	45	53.6&	41.899	N	20.526	E	5					10	ALBANIA. <PDG>. ML 2.8 (PDG).
10	17	56	05.6?	28.57	N	142.66	E	33	N	4.1		1.2	6	BONIN ISLANDS REGION
10	17	57	38.6&	32.400	S	71.383	W	36					16	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC). Felt (III) at Papudo, Quilpue, Quintero, San Felipe and Zapallar; (II) at La Ligua, Petorca, Quillota, Valparaiso and Vina del Mar.
10	18	31	47.6&	44.480	N	6.816	E	4					14	FRANCE. <GEN>. ML 2.2 (GEN), 1.9 (LDG).
10	19	15	37.9?	50.06	N	19.02	E	5	G			0.9	5	POLAND. ML 3.2 (WAR).
10	19	55	50.5*	0.277	S	119.933	E	33	N	3.9		1.3	15	MINAHASSA PENINSULA, SULAWESI
10	20	10	16.1&	32.451	S	71.327	W	45					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
10	20	18	39.7	23.728	N	142.936	E	33	N	4.9	4.6	1.2	116	VOLCANO ISLANDS REGION. Mw 5.1 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 20:18:43.3; Lat 23.94 N; Lon 142.96 E; Dep 45.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.80, Plg=6, Azm=329; (N) Val=2.15, Plg=35, Azm=235; (P) Val=-6.96, Plg=54, Azm=68; Best double couple: Mo=5.9*10**16 Nm; NP1: Strike=92, Dip=50, Slip=-41; NP2: Strike=211, Dip=60, Slip=-132.

10	20	45	13.5&	60.620	N	141.184	W	27					35	SOUTHEASTERN ALASKA. <AEIC>. ML 2.8 (AEIC), 2.9 (PGC).
10	20	51	04.7&	35.444	N	121.068	W	1					4	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM). ML 3.2 (PAS).
10	21	40	17.9%	41.264	S	174.578	E	70	?			0.2	11	COOK STRAIT, NEW ZEALAND
10	21	43	58.5	37.342	N	71.908	E	153	D	4.4		1.1	56	AFGHANISTAN-TAJIKISTAN BORD REG.
10	21	52	56.0*	41.762	S	174.230	E	33	N			0.8	10	COOK STRAIT, NEW ZEALAND. ML 3.0 (WEL).
10	21	57	23.4?	5.71	S	147.76	E	198	*	4.1		1.1	9	EASTERN NEW GUINEA REG., P.N.G.
10	23	01	06.3*	7.461	S	115.640	E	284		3.9		0.7	14	BALI SEA
11	01	03	55.0	33.119	S	68.894	W	10	G			0.7	17	MENDOZA PROVINCE, ARGENTINA. MD 4.4 (GUC).
11	01	13	46.0&	46.000	N	6.500	E	2					21	SWITZERLAND. <LDG>. ML 2.6 (STR), 2.2 (LDG).
11	01	35	19.7&	31.845	S	71.854	W	30					8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
11	01	40	48.7&	31.787	S	71.895	W	25					14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
11	01	55	10.5&	33.332	S	70.885	W	65					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
11	02	04	19.5	16.389	S	173.529	W	74	D	4.7		0.7	75	TONGA ISLANDS
11	02	18	28.8	1.383	N	123.408	E	33	N	5.0		1.1	59	MINAHASSA PENINSULA, SULAWESI
11	02	49	02.6&	16.194	N	97.717	W	4					8	OAXACA, MEXICO. <UNM>. MD 4.0 (UNM).
11	03	02	24.7*	5.690	S	154.377	E	194	?	4.4		0.7	24	SOLOMON ISLANDS
11	03	53	33.0&	34.848	S	73.804	W	10					11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
11	04	37	47.2&	32.822	S	70.708	W	80					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
11	05	33	26.7	39.781	N	23.719	E	11				1.0	43	AEGEAN SEA
11	06	09	44.3*	15.789	N	60.393	W	24				0.3	10	LEEWARD ISLANDS. MD 3.3 (FDF).
11	07	22	23.1*	38.884	N	42.665	E	33	N	3.9		1.4	16	TURKEY
11	07	38	06.0	46.832	N	12.710	E	10	G			1.4	7	NORTHERN ITALY. ML 2.3 (VIE).
11	08	19	18.2&	30.722	S	71.660	W	15					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
11	09	12	45.7	7.354	S	128.586	E	150	G	4.6		0.8	26	BANDA SEA
11	09	22	51.3&	41.813	N	20.122	E	11					8	ALBANIA. <PDG>. ML 2.2 (PDG).
11	09	23	42.6*	5.643	S	146.554	E	128		4.0		1.1	8	EASTERN NEW GUINEA REG., P.N.G.
11	09	59	04.4*	2.954	S	142.283	E	10	G	4.1		0.9	11	NEAR N COAST OF NEW GUINEA, PNG.
11	10	00	14.7	2.977	S	142.087	E	33	N	4.6	4.4	1.0	28	NEAR N COAST OF NEW GUINEA, PNG.
11	10	00	27.2	23.809	S	179.913	E	543	D	5.0		0.8	147	SOUTH OF FIJI ISLANDS. Mw 5.4 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 10:00:32.3; Lat 23.81 S; Lon 180.00 E; Dep 541.1; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.35, Plg=63, Azm=100; (N) Val=0.04, Plg=10, Azm=212; (P) Val=-1.39, Plg=25, Azm=306; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=58, Dip=22, Slip=118; NP2: Strike=208, Dip=70, Slip=79.

11	10	31	02.2&	33.657	S	71.620	W	38					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
11	10	36	49.3	1.931	N	122.713	E	462		4.7		0.9	66	MINAHASSA PENINSULA, SULAWESI
11	10	53	39.9&	33.451	S	70.738	W	71					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 1.9 (GUC).
11	10	56	00.2&	58.000	N	152.621	W	29					18	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).

11	11	27	42.3*	5.348	N	126.838	E	67	*	4.3		1.0	18	MINDANAO, PHILIPPINE ISLANDS
11	11	45	05.2?	20.17	S	178.30	W	500	G	4.2		1.0	12	FIJI ISLANDS REGION
11	12	04	54.7	21.040	S	179.110	W	624	D	5.4		0.9	366	FIJI ISLANDS REGION. Mw 5.9 (GS), 5.9 (HRV). Moment Tensor (GS): Dep 625; Principal axes (scale 10**17 Nm): (T) Val=7.56, Plg=20, Azm=167; (N) Val=1.45, Plg=4, Azm=76; (P) Val=-9.01, Plg=70, Azm=335; Best double couple: Mo=8.3*10**17 Nm; NP1: Strike=265, Dip=25, Slip=-80; NP2: Strike=74, Dip=65, Slip=-95. Centroid, Moment Tensor (HRV): Centroid origin time 12:04:59.4; Lat 20.91 S; Lon 178.99 W; Dep 638.1; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=7.31, Plg=26, Azm=148; (N) Val=1.42, Plg=1, Azm=238; (P) Val=-8.73, Plg=64, Azm=330; Best double couple: Mo=8.0*10**17 Nm; NP1: Strike=236, Dip=19, Slip=-93; NP2: Strike=58, Dip=71, Slip=-89.
11	12	16	26.9&	41.806	N	20.188	E	12					10	ALBANIA. <PDG>. ML 3.0 (PDG).
11	12	16	38.1&	58.716	N	155.213	W	135					29	ALASKA PENINSULA. <AEIC>.
11	12	32	43.8&	32.588	S	71.659	W	31					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
11	12	54	16.1	37.954	N	20.253	E	33	N	4.2		1.5	52	IONIAN SEA. ML 4.1 (PDG).
11	13	26	49.1*	37.169	N	21.172	E	33	N	4.4		1.0	16	SOUTHERN GREECE
11	13	29	43.3*	15.174	N	60.994	W	33	N			1.4	7	LEEWARD ISLANDS. MD 3.3 (FDF).
11	13	51	20.8&	41.851	N	20.514	E	10					10	ALBANIA. <PDG>. ML 3.3 (PDG).
11	13	56	43.1*	25.586	S	179.573	E	500	G	4.2		0.8	17	SOUTH OF FIJI ISLANDS
11	14	10	35.5&	45.600	N	0.800	W	2					8	FRANCE. <LDG>. ML 2.4 (LDG).
11	14	17	23.9	5.978	N	125.680	E	202		4.8		1.0	56	MINDANAO, PHILIPPINE ISLANDS
11	14	35	01.4	2.930	S	142.012	E	9		4.7	4.3	1.1	52	NEAR N COAST OF NEW GUINEA, PNG.
11	14	42	53.5	2.944	S	142.047	E	13		3.8		1.0	15	NEAR N COAST OF NEW GUINEA, PNG.
11	15	17	44.1?	8.02	N	103.89	W	33	N	3.9		0.8	8	OFF COAST OF MEXICO
11	15	19	49.8&	41.896	N	20.508	E	10					8	ALBANIA. <PDG>. ML 2.6 (PDG).
11	15	32	53.2?	8.68	N	102.91	W	33	N	4.2		0.4	7	OFF COAST OF MEXICO
11	15	48	01.7	12.233	S	166.966	E	227	D	4.4		1.0	45	SANTA CRUZ ISLANDS
11	15	57	36.2&	42.952	N	20.268	E	12					10	NORTHWESTERN BALKAN REGION. <PDG>. ML 2.5 (PDG).
11	16	45	26.1&	41.866	N	20.529	E	11					11	ALBANIA. <PDG>. ML 3.2 (PDG).
11	17	02	49.9	37.903	N	20.358	E	33	N	4.7		1.3	88	IONIAN SEA. ML 4.3 (PDG).
11	17	44	27.9&	33.190	N	115.578	W	3					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
11	18	10	57.9*	3.799	N	126.353	E	33	N			0.7	8	TALAUD ISLANDS, INDONESIA
11	18	18	04.2*	3.901	N	126.267	E	61	*	4.3		1.1	26	TALAUD ISLANDS, INDONESIA
11	18	59	28.3?	50.37	S	114.34	E	10	G	4.1		0.8	9	SOUTH OF AUSTRALIA
11	19	18	51.1&	58.508	N	152.938	W	46					47	KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
11	19	22	25.3&	17.586	N	94.711	W	163					7	CHIAPAS, MEXICO. <UNM>. MD 4.0 (UNM).
11	20	02	56.9*	46.027	N	14.788	E	10	G			0.1	5	NORTHWESTERN BALKAN REGION. ML 1.0 (LJU).
11	20	03	43.4&	42.600	N	6.300	E	10					7	WESTERN MEDITERRANEAN SEA. <LDG>. ML 2.6 (LDG).
11	20	34	09.1?	30.91	S	176.69	W	33	N			0.6	8	KERMADEC ISLANDS REGION
11	20	41	06.2?	32.52	S	179.66	E	500	G	3.5		0.8	10	SOUTH OF KERMADEC ISLANDS
11	20	49	41.8*	32.889	N	88.189	E	33	N	4.5		1.1	11	XIZANG
11	20	55	01.3&	44.700	N	6.700	E	2					9	FRANCE. <LDG>. ML 1.8 (LDG).
11	21	00	25.9&	42.600	N	6.300	E	10					8	WESTERN MEDITERRANEAN SEA. <LDG>. ML 2.3 (LDG).
11	21	11	04.6	32.954	N	88.210	E	33	N	4.4		1.3	31	XIZANG
11	21	27	11.0&	41.892	N	20.489	E	11					10	ALBANIA. <PDG>. ML 3.0 (PDG).
11	21	37	39.7*	5.804	S	151.598	E	68	*	4.5		1.1	15	NEW BRITAIN REGION, P.N.G.
11	21	44	16.1	27.329	S	63.335	W	583	D	5.3		0.8	297	SANTIAGO DEL ESTERO PROV., ARG. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:44:22.3; Lat 27.27 S; Lon 63.08 W; Dep 587.9; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.19, Plg=31, Azm=257; (N) Val=0.06, Plg=9, Azm=161; (P) Val=-1.24, Plg=57, Azm=57; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=15, Dip=16, Slip=-56; NP2: Strike=159, Dip=77, Slip=-99.
11	23	36	22.3*	56.913	S	142.618	W	10	G	5.2	5.7	1.3	47	PACIFIC-ANTARCTIC RIDGE. Mw 6.3 (HRV), 6.2 (GS). Moment Tensor (GS): Dep 19; Principal axes (scale 10**18 Nm): (T) Val=2.50, Plg=0, Azm=167; (N) Val=0.04, Plg=89, Azm=267; (P) Val=-2.54, Plg=1, Azm=77; Best double couple: Mo=2.5*10**18 Nm; NP1: Strike=212, Dip=89, Slip=-179; NP2: Strike=122, Dip=89, Slip=-1. Centroid, Moment Tensor (HRV): Centroid origin time 23:36:34.2; Lat 56.59 S; Lon 142.57 W; Dep 15.0 Fix; Half-duration 3.2 sec; Principal axes (scale 10**18 Nm): (T) Val=3.13, Plg=11, Azm=344; (N) Val=-0.29, Plg=79, Azm=149; (P) Val=-2.84, Plg=3, Azm=254; Best double couple: Mo=3.0*10**18 Nm; NP1: Strike=28, Dip=80, Slip=174; NP2: Strike=119, Dip=84, Slip=10.
11	23	46	52.7?	31.30	S	68.79	W	150	G			0.8	13	SAN JUAN PROVINCE, ARGENTINA. MD 3.5 (GUC).
11	23	50	59.6&	42.700	N	6.500	E	10					4	WESTERN MEDITERRANEAN SEA. <LDG>. ML 2.2 (LDG).
11	23	51	29.6&	41.864	N	20.459	E	10					10	ALBANIA. <PDG>. ML 2.6 (PDG).
11	23	57	30.0*	56.273	S	143.186	W	10	G	5.0	5.5	1.2	42	PACIFIC-ANTARCTIC RIDGE
12	00	09	44.8&	44.419	N	7.316	E	6					4	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
12	00	10	09.5&	31.480	S	69.910	W	156					10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.2 (GUC).
12	00	28	42.6*	18.404	N	145.910	E	224	*	4.3		1.0	19	MARIANA ISLANDS
12	01	29	11.3&	16.006	N	98.483	W	5					7	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
12	03	25	58.0*	6.482	S	104.935	E	33	N			1.1	11	SUNDA STRAIT
12	03	49	33.4*	36.403	N	71.014	E	115	?	4.6		1.5	12	AFGHANISTAN-TAJIKISTAN BORD REG.
12	03	57	19.6&	59.897	N	152.367	W	81					57	SOUTHERN ALASKA. <AEIC>.
12	03	58	48.6&	34.112	S	70.428	W	101					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.0 (GUC).
12	04	57	26.3*	63.318	N	18.112	E	10	G			1.6	5	SWEDEN. MD 3.4 (BER).
12	05	10	07.2&	62.142	N	151.461	W	84					50	CENTRAL ALASKA. <AEIC>.
12	05	59	05.7*	17.442	S	69.293	W	150	G	4.0		1.3	12	PERU-BOLIVIA BORDER REGION
12	06	06	25.2&	33.609	S	69.449	W	0					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
12	06	22	22.1&	33.722	S	70.382	W	15					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
12	06	52	05.8&	47.200	N	6.200	E	2					10	FRANCE. <LDG>. ML 2.3 (LDG).
12	07	36	39.7	15.278	S	173.579	W	77	D	4.9	4.6	0.9	78	TONGA ISLANDS
12	08	24	26.5*	33.353	N	138.331	E	294	*	4.1		0.8	10	SOUTH OF HONSHU, JAPAN
12	09	21	11.9*	33.141	N	138.294	E	301	*	4.3		1.1	18	SOUTH OF HONSHU, JAPAN
12	09	50	17.9&	47.930	N	7.870	E	2	G				6	SWITZERLAND. <STR>. ML 1.4 (STR).

12	10	41	10.9&	41.928	N	20.462	E	11					9	ALBANIA. <PDG>. ML 2.7 (PDG).
12	11	12	10.1	9.172	S	119.342	E	33	N	3.0		1.4	12	SUMBA REGION, INDONESIA
12	11	25	51.7*	1.009	N	126.661	E	33	N	4.4		0.5	10	NORTHERN MOLUCCA SEA
12	12	44	18.2	5.740	N	126.977	E	59	*	4.4		1.1	30	MINDANAO, PHILIPPINE ISLANDS
12	13	05	50.5&	34.731	S	70.912	W	103					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
12	13	14	42.8*	37.475	N	36.366	E	33	N			1.0	5	TURKEY
12	13	31	15.3?	5.42	S	147.12	E	197	?	4.1		1.6	10	EASTERN NEW GUINEA REG., P.N.G.
12	14	28	18.5?	11.64	S	165.51	E	200	G	4.2		0.8	9	SANTA CRUZ ISLANDS
12	14	42	07.3&	9.402	S	158.848	E	33	N			0.4	7	SOLOMON ISLANDS
12	15	30	49.2*	13.679	N	120.995	E	157				0.9	14	MINDORO, PHILIPPINE ISLANDS
12	16	10	44.9*	13.000	N	125.823	E	33	N	4.7		1.1	10	PHILIPPINE ISLANDS REGION
12	16	28	43.7	86.373	N	72.211	E	10	G	4.3		1.1	26	NORTH OF SEVERNAYA ZEMLYA
12	16	29	36.8	86.328	N	74.545	E	10	G	4.5		0.8	39	NORTH OF SEVERNAYA ZEMLYA
12	16	31	59.0*	3.823	N	126.358	E	75	?	4.3		1.1	19	TALAUD ISLANDS, INDONESIA
12	16	37	29.0?	22.68	S	178.14	E	600	G	3.9		1.3	11	SOUTH OF FIJI ISLANDS
12	17	03	09.5	86.318	N	72.531	E	10	G	4.6	4.3	1.2	59	NORTH OF SEVERNAYA ZEMLYA
12	17	29	19.9&	53.393	N	161.777	W	15		4.3			32	SOUTH OF ALASKA. <AEIC>. ML 3.7 (AEIC).
12	17	35	35.1	86.313	N	74.457	E	10	G	4.8	4.2	0.8	88	NORTH OF SEVERNAYA ZEMLYA
12	18	32	25.9*	40.066	N	49.113	E	33	N	4.1		1.0	14	EASTERN CAUCASUS
12	18	58	20.0&	38.754	N	122.722	W	0					7	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
12	19	47	10.1?	20.26	S	178.29	W	674	?	3.7		0.3	12	FIJI ISLANDS REGION
12	21	11	53.7	6.046	S	130.223	E	68	?	4.3		1.2	27	BANDA SEA
12	21	18	12.6*	0.494	S	119.552	E	33	N	4.7	4.1	1.5	15	MINAHASSA PENINSULA, SULAWESI
12	22	15	06.4&	35.511	S	72.152	W	7					14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC). Felt (III) at Curico and Talca. Also felt (II) in Cauquenes and Linares Departments.
12	22	32	21.7	44.247	N	20.073	E	10	G	3.9		1.2	122	NORTHWESTERN BALKAN REGION. ML 4.2 (VIE), 4.1 (PDG).
12	22	49	17.0	9.034	S	116.954	E	33	N	4.2		0.9	14	SUMBAWA REGION, INDONESIA
12	23	43	53.9&	32.766	S	70.299	W	96					14	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
12	23	51	36.6&	37.250	N	3.760	W	0	G				5	SPAIN. <MDD>. mbLg 1.2 (MDD).
12	23	55	43.9*	17.703	S	175.306	W	212	*	4.4		0.5	14	TONGA ISLANDS
12	23	56	31.8	51.199	N	15.789	E	5	G			0.9	12	POLAND. ML 3.4 (GRF), 2.9 (WAR).
13	00	28	36.2&	37.210	N	3.780	W	2					15	SPAIN. <MDD>. mbLg 1.8 (MDD).
13	00	29	20.6&	37.220	N	3.780	W	0	G				11	SPAIN. <MDD>. mbLg 2.0 (MDD).
13	00	47	14.0?	2.54	S	138.62	E	33	N	3.8		1.4	9	IRIAN JAYA, INDONESIA
13	01	17	07.0&	60.108	N	152.620	W	95					55	SOUTHERN ALASKA. <AEIC>.
13	01	28	48.6&	37.200	N	3.800	W	4					7	SPAIN. <MDD>. mbLg 1.3 (MDD).
13	01	36	57.1&	32.569	S	72.061	W	30					10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
13	02	14	28.5&	32.868	S	71.180	W	37					8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
13	02	25	02.8	51.637	N	16.136	E	5	G			0.6	17	POLAND. ML 3.7 (GRF), 3.5 (VIE), 3.3 (WAR).
13	02	34	12.8	51.659	N	176.926	W	58		4.7	4.3	1.0	65	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (IV) on Adak.
13	02	53	23.3*	49.948	S	126.811	E	10	G	4.1		0.7	10	SOUTH OF AUSTRALIA
13	03	36	00.4*	43.033	N	145.141	E	33	N			0.9	10	HOKKAIDO, JAPAN REGION. Felt (I JMA) in eastern Hokkaido.
13	04	46	51.2*	60.449	S	26.419	W	33	N	4.4	4.3	1.1	14	SOUTH SANDWICH ISLANDS REGION
13	04	59	33.5*	33.063	N	88.481	E	33	N	4.6		1.2	21	XIZANG
13	05	30	31.6&	60.421	N	151.066	W	45					9	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
13	05	43	04.2*	8.572	S	105.295	E	33	N			1.2	12	SOUTH OF JAWA, INDONESIA
13	05	48	46.9&	17.148	N	95.277	W	123					7	OAXACA, MEXICO. <UNM>. MD 4.0 (UNM).
13	06	13	05.8*	44.177	N	10.764	E	10	G			0.5	8	NORTHERN ITALY. ML 2.8 (LDG).
13	07	00	03.3&	61.618	N	150.892	W	57					44	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
13	09	23	47.6&	54.585	N	160.926	W	13					13	ALASKA PENINSULA. <AEIC>. ML 2.7 (AEIC).
13	10	05	47.1*	37.482	N	36.281	E	10	G			0.8	5	TURKEY
13	12	16	40.8&	31.704	S	69.987	W	151					12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.3 (GUC).
13	12	42	12.1&	34.201	S	70.686	W	94					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
13	12	48	54.3	3.713	S	126.215	E	33	N	4.9		1.1	27	BURU, INDONESIA
13	13	51	34.7	32.976	S	70.034	W	11				0.5	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (GUC).
13	13	53	09.3&	60.058	N	153.148	W	118					45	SOUTHERN ALASKA. <AEIC>.
13	14	16	42.4&	62.344	N	151.196	W	92		4.4			117	CENTRAL ALASKA. <AEIC>.
13	14	22	11.3*	11.603	S	118.154	E	33	N	3.2		0.8	7	SOUTH OF SUMBAWA, INDONESIA
13	14	47	51.9&	29.746	N	87.885	E	33	N			0.5	8	XIZANG
13	15	36	17.5?	63.58	S	172.83	E	10	G	4.6		1.3	10	BALLENY ISLANDS REGION
13	15	39	37.2&	44.521	N	7.292	E	6					9	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
13	15	50	09.8	18.462	N	101.321	W	33	N			1.1	17	GUERRERO, MEXICO. MD 4.2 (UNM).
13	16	07	43.9&	63.199	N	150.513	W	124					61	CENTRAL ALASKA. <AEIC>.
13	16	13	35.6&	33.399	S	71.606	W	35					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
13	16	14	22.3*	17.851	S	167.958	E	33	N	4.3		1.0	18	VANUATU ISLANDS
13	16	54	19.1	21.670	N	121.609	E	33	N	4.5		1.2	28	TAIWAN REGION
13	17	06	29.1*	35.139	N	141.186	E	33	N			0.4	7	NEAR EAST COAST OF HONSHU, JAPAN
13	17	53	15.0&	62.275	N	151.361	W	90					47	CENTRAL ALASKA. <AEIC>.
13	17	58	50.2*	54.001	N	162.952	W	33	N	4.4		1.3	16	ALASKA PENINSULA
13	18	10	54.3&	44.400	N	6.300	E	2					15	FRANCE. <LDG>. ML 2.3 (STR), 2.1 (LDG).
13	18	13	04.8	20.861	S	178.770	W	600	G	4.5		0.8	76	FIJI ISLANDS REGION
13	18	24	59.0?	22.76	S	176.46	W	200	G	4.6		1.2	17	SOUTH OF FIJI ISLANDS
13	18	53	50.9	43.327	N	17.651	E	10	G			1.0	28	NORTHWESTERN BALKAN REGION. ML 3.2 (PDG).
13	20	41	13.8	40.027	N	143.297	E	33	N	5.4	5.0	0.7	227	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.5 (HRV). Felt (II JMA) in northern Miyagi and parts of Aomori and Iwate Prefectures; (I JMA) in northern Yamagata and parts of Akita and Miyagi Prefectures, Honshu. Also felt (I JMA) in parts of southern Hokkaido. Centroid, Moment Tensor (HRV): Centroid origin time 20:41:16.2; Lat 39.92 N; Lon 143.68 E; Dep 17.0 Bdy; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.07, Plg=61, Azm=307; (N) Val=0.08, Plg=7, Azm=204; (P) Val=-2.15, Plg=28, Azm=111; Best double couple: Mo=2.1*10**17 Nm; NP1: Strike=182, Dip=18, Slip=67; NP2: Strike=27, Dip=73, Slip=97.
13	21	29	52.4&	63.975	N	150.410	W	25					21	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.9 (PMR).
13	22	09	50.4&	15.635	N	96.471	W	23					7	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 3.9 (UNM).
14	01	36	19.9	60.711	N	44.050	W	10	G	5.1	4.4	0.8	283	WESTERN GREENLAND. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:36:23.4; Lat 60.67 N; Lon 43.83 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.67, Plg=4, Azm=344; (N) Val=0.85, Plg=14, Azm=253;

													(P) Val=-4.52, Plg=76, Azm=90; Best double couple: Mo=4.1*10**16 Nm; NP1: Strike=88, Dip=43, Slip=-69; NP2: Strike=241, Dip=51, Slip=-108.
14	02	00	12.5	46.089	N	14.383	E	10	G		0.5	6	NORTHWESTERN BALKAN REGION. ML 1.1 (LJU).
14	02	51	14.8&	37.070	N	4.240	W	12				10	SPAIN. <MDD>. mbLg 1.6 (MDD).
14	02	54	04.4	5.915	S	151.036	E	33	N	5.5 5.7	0.9	216	NEW BRITAIN REGION, P.N.G. Mw 5.8 (HRV), 5.7 (GS). Moment Tensor (GS): Dep 30; Principal axes (scale 10**17 Nm): (T) Val=4.61, Plg=59, Azm=122; (N) Val=0.06, Plg=3, Azm=27; (P) Val=-4.67, Plg=31, Azm=295; Best double couple: Mo=4.6*10**17 Nm; NP1: Strike=14, Dip=14, Slip=77; NP2: Strike=207, Dip=76, Slip=93. Centroid, Moment Tensor (HRV): Centroid origin time 02:54:08.0; Lat 6.20 S; Lon 151.35 E; Dep 50.1; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=5.07, Plg=63, Azm=117; (N) Val=-0.08, Plg=7, Azm=13; (P) Val=-4.99, Plg=26, Azm=280; Best double couple: Mo=5.0*10**17 Nm; NP1: Strike=354, Dip=20, Slip=70; NP2: Strike=195, Dip=71, Slip=97.
14	03	02	53.0*	5.784	S	151.073	E	33	N	4.7	0.8	18	NEW BRITAIN REGION, P.N.G.
14	03	12	16.4*	38.346	N	143.474	E	33	N		1.2	7	OFF EAST COAST OF HONSHU, JAPAN
14	03	20	09.1&	43.400	N	0.600	W	4				5	PYRENEES. <LDG>. ML 2.1 (LDG).
14	03	26	50.4&	15.362	N	93.631	W	32				8	NEAR COAST OF CHIAPAS, MEXICO. <UNM>. MD 4.2 (UNM).
14	03	36	07.6	5.883	S	151.097	E	33	N	5.2 5.0	0.8	99	NEW BRITAIN REGION, P.N.G.
14	03	37	54.6?	43.16	N	125.90	W	10	G		0.4	20	OFF COAST OF OREGON
14	03	50	19.9&	44.550	N	7.256	E	12				18	NORTHERN ITALY. <GEN>. ML 2.3 (GEN).
14	03	51	50.0	44.555	N	7.273	E	10	G		0.8	45	NORTHERN ITALY. ML 3.1 (GEN), 3.0 (LDG), 2.9 (STR).
14	04	00	33.0*	44.804	N	148.828	E	100	G		1.2	12	KURIL ISLANDS
14	04	36	21.4	14.653	N	45.155	W	10	G	4.6	0.9	51	NORTHERN MID-ATLANTIC RIDGE
14	08	08	40.0*	9.493	N	122.372	E	79	*	4.0	1.1	20	NEGROS, PHILIPPINE ISLANDS
14	08	48	50.4*	9.573	N	122.254	E	33	N	4.0	1.3	19	NEGROS, PHILIPPINE ISLANDS
14	09	39	16.4&	16.187	N	97.677	W	53				5	OAXACA, MEXICO. <UNM>. MD 3.8 (UNM).
14	09	44	49.5	8.801	S	120.345	E	141	*	4.5	1.1	34	FLORES REGION, INDONESIA
14	09	52	21.6*	32.166	N	141.232	E	33	N		1.2	8	SOUTH OF HONSHU, JAPAN
14	09	55	40.4&	32.550	S	71.636	W	26				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
14	10	26	56.9	41.736	S	73.396	W	33	N	4.4	0.8	23	SOUTHERN CHILE. Felt (III) at Ancud, Castro, Puerto Montt, Puerto Varas, Quellon and Valdivia; (II) at San Juan de la Costa and Temuco.
14	10	39	19.3&	37.200	N	3.650	W	3				11	SPAIN. <MDD>. mbLg 2.1 (MDD).
14	10	55	11.1*	45.000	N	141.686	E	278	*	3.9	1.1	11	HOKKAIDO, JAPAN REGION
14	13	46	42.2&	38.480	N	8.180	W	16				11	PORTUGAL. <MDD>. mbLg 2.4 (MDD).
14	14	12	39.0&	32.369	S	71.423	W	42				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
14	14	12	50.3*	37.110	N	137.409	E	274			1.1	10	NEAR WEST COAST OF HONSHU, JAPAN
14	14	37	03.9&	32.356	N	115.246	W	6	G			30	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.8 (PAS). MD 4.3 (ECX). Felt in the area southeast of Mexicali, Baja California.
14	15	14	57.3&	43.200	N	5.200	E	2				8	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.3 (LDG).
14	15	43	29.3&	45.280	N	3.100	E	2				4	FRANCE. <STR>. ML 2.0 (STR).
14	15	46	21.1	0.180	S	27.315	E	10	G	4.5	0.9	32	ZAIRE
14	16	02	13.8&	15.117	N	60.716	W	33	N		0.2	6	LEEWARD ISLANDS. MD 2.7 (FDF).
14	16	29	17.8?	20.94	S	178.76	W	600	G	4.1	0.9	18	FIJI ISLANDS REGION
14	16	47	15.7&	33.549	S	72.213	W	13				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
14	18	49	11.4&	18.350	N	67.080	W	16				6	MONA PASSAGE. <MPR>. MD 2.8 (MPR).
14	18	54	04.6*	23.163	S	66.419	W	220	*		0.8	11	JUJUY PROVINCE, ARGENTINA
14	18	54	46.5	38.048	N	22.111	E	33	N	4.1	1.1	52	GREECE
14	19	36	10.7*	13.126	S	167.137	E	173	?	4.2	0.8	46	VANUATU ISLANDS
14	21	19	02.5&	42.730	N	0.840	E	2	G			7	PYRENEES. <STR>. ML 2.4 (STR), 2.0 (LDG).
14	22	26	09.4	30.848	S	121.306	E	10	G	4.2	1.1	11	WESTERN AUSTRALIA
14	22	48	06.5	34.624	S	8.889	E	10	G	4.8 4.0	0.8	23	SOUTH ATLANTIC OCEAN
14	23	10	02.8*	19.136	S	169.548	E	300	G		1.3	17	VANUATU ISLANDS
15	00	01	46.3*	8.423	S	123.960	E	100	G	4.5	1.1	23	FLORES REGION, INDONESIA
15	00	26	21.1?	9.47	S	122.69	E	33	N	3.8	1.1	9	SAVU SEA
15	00	29	20.6&	46.058	N	14.776	E	10	G		0.3	6	NORTHWESTERN BALKAN REGION. ML 0.8 (LJU).
15	00	41	34.0*	51.497	N	176.698	W	67	*	4.3	0.9	24	ANDREANOF ISLANDS, ALEUTIAN IS.
15	00	59	20.4&	35.057	S	70.654	W	5				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
15	01	47	21.2&	32.121	S	71.422	W	27				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
15	02	33	12.0*	46.926	N	152.680	E	33	N		0.7	10	KURIL ISLANDS
15	02	40	59.4&	59.941	N	152.692	W	100				100	SOUTHERN ALASKA. <AEIC>.
15	02	58	22.4&	32.756	S	71.710	W	17				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
15	03	03	21.8&	34.072	S	70.356	W	4				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
15	03	19	29.4&	17.910	N	66.880	W	4				6	PUERTO RICO REGION. <MPR>. MD 2.7 (MPR).
15	04	04	16.9&	42.481	N	19.170	E	18				7	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.4 (PDG).
15	04	07	18.5&	18.860	N	65.160	W	53				7	PUERTO RICO REGION. <MPR>. MD 3.6 (MPR).
15	04	30	05.7&	59.850	N	153.424	W	127				64	SOUTHERN ALASKA. <AEIC>.
15	04	41	33.4&	37.558	S	74.258	W	39				14	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
15	04	57	17.1?	38.65	S	176.07	E	150	G		0.2	12	NORTH ISLAND, NEW ZEALAND
15	05	05	46.7&	40.836	N	123.556	W	26		3.7		39	NORTHERN CALIFORNIA. <GM-P>. Mw 4.3 (BRK). MD 4.0 (GM). ML 4.1 (BRK). Felt (II-III) at Arcata, Blue Lake, Burnt Ranch, Eureka, Fortuna, Hayfork, McKinleyville and Willow Creek. Moment Tensor (BRK): Dep 30; Principal axes (scale 10**15 Nm): (T) Val=2.69, Plg=28, Azm=62; (N) Val=0.00, Plg=15, Azm=161; (P) Val=-2.69, Plg=57, Azm=276; Best double couple: Mo=2.7*10**15 Nm; NP1: Strike=345, Dip=75, Slip=-74; NP2: Strike=117, Dip=22, Slip=-136.
15	05	19	13.0?	4.86	S	153.17	E	33	N		1.2	5	NEW IRELAND REGION, P.N.G.
15	05	23	22.5?	17.32	S	176.03	E	33	N	4.2	0.9	11	FIJI ISLANDS REGION
15	05	40	29.5*	5.664	N	126.557	E	78	*	4.1	0.7	14	MINDANAO, PHILIPPINE ISLANDS
15	06	12	19.8&	37.579	N	118.788	W	8				40	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.5 (BRK).
15	06	17	35.0	3.709	N	126.262	E	96	*	4.6	1.2	39	TALAUD ISLANDS, INDONESIA
15	06	34	04.5*	43.191	N	125.613	W	10	G		0.9	17	OFF COAST OF OREGON
15	07	28	33.3&	44.768	N	9.388	E	0				35	NORTHERN ITALY. <GEN>. ML 2.8 (GEN), 2.7 (LDG).
15	08	52	36.4*	49.405	N	152.863	E	250	G	4.0	1.2	11	NORTHWEST OF KURIL ISLANDS
15	08	57	06.4	51.151	N	15.910	E	5	G		0.6	9	POLAND. ML 3.6 (VIE), 3.1 (WAR).

15	09	01	19.8	7.560	S	128.873	E	58	*	5.0	1.3	54	BANDA SEA
15	09	47	22.0&	35.620	N	90.450	W	12				11	ARKANSAS. <TEIC>. mbLg 2.9 (GS).
15	09	51	42.8&	15.322	N	95.817	W	55		,		5	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 3.8 (UNM).
15	10	11	33.5*	5.000	S	151.151	E	143	*	4.5	0.6	14	NEW BRITAIN REGION, P.N.G.
15	10	30	02.8&	33.372	S	71.287	W	54				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
15	10	54	53.5*	40.903	N	19.849	E	10	G		0.9	10	ALBANIA. ML 2.7 (PDG).
15	10	59	43.6*	51.268	N	15.796	E	5	G		1.5	7	POLAND. ML 2.9 (VIE), 2.8 (WAR), 2.7 (CLL).
15	11	48	26.5	39.554	N	32.007	E	10	G		1.2	10	TURKEY. MD 3.4 (ISK).
15	12	15	18.3*	17.308	S	174.359	W	33	N	4.6	1.0	27	TONGA ISLANDS
15	12	48	37.2	13.619	S	166.895	E	43	D	5.0 4.7	1.1	111	VANUATU ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:48:44.7; Lat 13.66 S; Lon 166.17 E; Dep 53.9; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.13, Plg=82, Azm=350; (N) Val=0.27, Plg=7, Azm=181; (P) Val=-1.40, Plg=1, Azm=91; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=174, Dip=44, Slip=79; NP2: Strike=8, Dip=47, Slip=100.
15	13	44	01.2?	0.49	N	126.04	E	33	N	4.2	1.0	10	NORTHERN MOLUCCA SEA
15	13	44	35.3*	12.439	N	143.565	E	33	N	4.4	1.1	19	SOUTH OF MARIANA ISLANDS
15	14	22	50.3	4.715	S	152.226	E	85		4.6	0.9	39	NEW BRITAIN REGION, P.N.G.
15	14	31	32.5&	16.536	N	100.118	W	7				6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).
15	14	44	05.8&	40.392	N	140.489	E	154	*		1.1	8	EASTERN HONSHU, JAPAN
15	15	28	47.0?	3.66	S	152.66	E	149			1.4	7	NEW IRELAND REGION, P.N.G.
15	16	26	07.4&	35.386	S	71.423	W	103				12	CENTRAL CHILE. <GUC>. MD 2.9 (GUC).
15	16	34	25.9&	16.113	N	97.849	W	5				9	OAXACA, MEXICO. <UNM>. MD 3.7 (UNM).
15	16	41	55.6?	6.47	S	154.89	E	33	N	3.7	1.4	9	SOLOMON ISLANDS
15	16	51	04.9&	44.557	N	7.249	E	12				8	NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
15	16	59	50.3*	7.504	N	94.353	E	33	N	4.4	0.8	15	NICOBAR ISLANDS, INDIA
15	19	05	23.9	7.557	N	94.281	E	33	N	5.1 4.9	0.9	220	NICOBAR ISLANDS, INDIA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:05:26.6; Lat 7.73 N; Lon 94.34 E; Dep 52.1; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.25, Plg=8, Azm=112; (N) Val=-0.02, Plg=78, Azm=244; (P) Val=-1.22, Plg=8, Azm=21; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=156, Dip=78, Slip=-180; NP2: Strike=66, Dip=90, Slip=-12.
15	19	08	27.7	7.571	N	94.137	E	33	N	4.7	1.0	56	NICOBAR ISLANDS, INDIA
15	19	23	52.9*	7.058	S	155.728	E	100	G	3.8	1.2	14	SOLOMON ISLANDS
15	20	06	01.0&	32.819	N	115.455	W	10				4	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.0 (PAS). MD 3.6 (ECX). Felt in the Imperial Valley, California and at Mexicali, Baja California.
15	20	36	03.5*	9.791	N	147.927	E	33	N	4.0	1.1	12	E. CAROLINE ISLANDS, MICRONESIA
15	21	04	49.5	18.486	N	70.467	W	69		4.4	1.0	63	DOMINICAN REPUBLIC REGION. Felt (IV) at Azua, San Cristobal, Santo Domingo and Jose de Ocoa; (III) at Bonao and Villa Altagracia. Felt in much of the Dominican Republic.
15	21	25	15.9*	6.462	S	129.146	E	183	?	4.3	1.1	20	BANDA SEA
16	00	05	34.2	23.743	N	94.683	E	101	D	5.2	0.9	342	MYANMAR-INDIA BORDER REGION. Mw 5.4 (GS), 5.3 (HRV). Moment Tensor (GS): Dep 85; Principal axes (scale 10**17 Nm): (T) Val=1.28, Plg=42, Azm=87; (N) Val=-0.05, Plg=2, Azm=355; (P) Val=-1.24, Plg=48, Azm=262; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=213, Dip=3, Slip=-52; NP2: Strike=355, Dip=87, Slip=-92. Centroid, Moment Tensor (HRV): Centroid origin time 00:05:37.2; Lat 23.82 N; Lon 94.74 E; Dep 112.1; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.30, Plg=44, Azm=75; (N) Val=-0.34, Plg=12, Azm=177; (P) Val=-0.95, Plg=44, Azm=278; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=86, Dip=12, Slip=180; NP2: Strike=177, Dip=90, Slip=78.
16	00	07	46.3*	51.182	N	15.783	E	5	G		1.3	6	POLAND. ML 3.1 (VIE), 2.7 (WAR).
16	00	14	04.4&	11.503	N	61.506	W	2				5	WINDWARD ISLANDS. <TRN>. MD 3.4 (TRN).
16	01	32	34.2&	32.888	S	70.155	W	112				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
16	01	48	11.3&	34.813	N	120.353	W	0				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
16	01	54	19.8*	4.134	S	104.169	W	10	G	4.6	1.0	50	CENTRAL EAST PACIFIC RISE
16	01	59	06.0*	3.921	S	104.021	W	10	G	4.6	1.2	33	CENTRAL EAST PACIFIC RISE
16	02	32	27.5&	43.070	N	0.650	W	2	G			16	PYRENEES. <STR>. ML 2.9 (STR), 2.4 (LDG).
16	02	42	53.5	4.171	S	152.464	E	27		4.8	1.1	41	NEW BRITAIN REGION, P.N.G.
16	03	24	19.7*	38.623	S	71.792	W	33	N	4.2	1.1	25	S. CHILE-ARGENTINA BORDER REGION. Felt (IV) at Carahue, Cunco, Melipeuco, Nueva Imperial, Puerto Saavedra and Tolten; (III) at Temuco, Chile.
16	04	04	32.9*	26.336	S	177.686	W	33	N	4.8 4.8	1.1	30	SOUTH OF FIJI ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:04:33.4; Lat 26.34 S; Lon 177.71 W; Dep 37.2; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.75, Plg=13, Azm=105; (N) Val=-0.31, Plg=76, Azm=305; (P) Val=-9.43, Plg=5, Azm=196; Best double couple: Mo=9.6*10**16 Nm; NP1: Strike=241, Dip=78, Slip=6; NP2: Strike=150, Dip=84, Slip=167.
16	04	17	19.7*	1.223	S	79.049	W	33	N	4.4	1.2	12	ECUADOR
16	04	30	14.0&	34.441	S	70.411	W	10				10	CHILE-ARGENTINA BORDER REGION. <GUC>.
16	04	40	15.2*	39.506	N	141.989	E	102	?		1.0	13	EASTERN HONSHU, JAPAN. Felt (I JMA) in Iwate Prefecture.
16	04	43	43.7	18.925	N	145.452	E	300	G	4.0	1.0	28	MARIANA ISLANDS
16	05	50	10.0&	16.996	N	94.292	W	162				8	OAXACA, MEXICO. <UNM>. MD 4.2 (UNM).
16	06	22	05.8	29.449	S	71.965	W	33	N		1.1	26	NEAR COAST OF CENTRAL CHILE
16	07	26	46.8	33.769	S	72.214	W	33	N	5.0 4.4	1.0	95	OFF COAST OF CENTRAL CHILE. MD 5.0 (GUC). Felt (III) at Casablanca, San Antonio, Santiago, Valparaiso and Vina del Mar.
16	07	42	48.9&	33.734	S	72.237	W	19				14	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
16	08	10	48.9?	17.51	S	178.49	W	450	G	4.1	1.2	11	FIJI ISLANDS REGION
16	08	34	30.2&	30.715	S	71.604	W	14				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
16	09	19	46.4&	18.140	N	66.880	W	19				4	PUERTO RICO REGION. <MPR>. MD 2.8 (MPR).
16	09	22	58.1*	28.441	N	143.200	E	33	N	4.2	0.5	6	BONIN ISLANDS REGION
16	09	34	33.8?	46.08	N	14.80	E	10	G		0.5	4	NORTHWESTERN BALKAN REGION. ML 1.2 (LJU).

16	09	46	47.1&	36.920	N	2.650	W	1				30	STRAIT OF GIBRALTAR. <MDD>. mbLg 3.8 (MDD). Felt (VI) at Alhama de Almeria and Illar; (V) at Alhabia, Alicun, Alsodux, Huecija, Instincion, Santa Fe de Mondujar and Terque; (IV) at Alboloduy, Almeria, Benahadux, Canjayar, Felix, Gador, Huercal de Almeria, Pechina, Rioja, Santa Cruz and Viator; (III) at El Ejido, Padules and Roquetas de Mar, Spain.
16	10	27	19.4*	27.975	N	85.423	E	33	N		0.7	10	NEPAL
16	11	06	37.0?	31.78	S	67.62	W	150	G		1.2	12	SAN JUAN PROVINCE, ARGENTINA. MD 3.5 (GUC).
16	11	09	58.1&	19.220	N	64.650	W	25				4	VIRGIN ISLANDS. <MPR>. MD 3.6 (MPR).
16	11	29	31.9	19.840	N	121.410	E	38	*	5.0 4.7	1.0	64	PHILIPPINE ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:29:32.3; Lat 19.96 N; Lon 121.38 E; Dep 26.5; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.20, Plg=53, Azm=158; (N) Val=0.15, Plg=16, Azm=46; (P) Val=-1.35, Plg=32, Azm=306; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=353, Dip=19, Slip=35; NP2: Strike=229, Dip=79, Slip=106.
16	11	58	12.1&	55.175	N	160.247	W	54				15	ALASKA PENINSULA. <AEIC>. ML 2.9 (AEIC).
16	12	07	36.3	9.601	S	155.497	E	33	N	4.6	0.8	27	D'ENTRECASTEAUX ISLANDS REGION
16	12	09	58.5&	10.039	N	61.383	W	60				4	TRINIDAD. <TRN>. MD 3.4 (TRN).
16	12	21	03.9*	4.378	S	143.936	E	109	*	3.7	1.5	12	NEW GUINEA, PAPUA NEW GUINEA
16	13	04	51.1&	53.180	N	4.230	W	12				11	UNITED KINGDOM. <BGS>. ML 2.7 (BGS). Felt (III) in Gwynedd County.
16	13	06	46.6&	31.640	S	71.864	W	12				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
16	13	30	08.5&	62.949	N	149.233	W	76				85	CENTRAL ALASKA. <AEIC>.
16	13	37	24.4	19.904	N	121.533	E	49	*	4.4	1.0	25	PHILIPPINE ISLANDS REGION
16	13	46	14.9*	34.487	S	147.340	E	10	G	4.0	1.0	8	NEW SOUTH WALES, AUSTRALIA. Felt at Coolamon, Junee, Temora and Wagga Wagga.
16	14	17	16.7&	30.000	N	88.194	E	33	N		1.1	10	XIZANG
16	15	24	09.7	44.044	N	33.609	E	33	N	4.3	1.3	45	CRIMEA REGION, UKRAINE
16	15	31	38.4	44.025	N	33.504	E	33	N		1.0	15	CRIMEA REGION, UKRAINE
16	16	39	50.9&	53.780	N	164.170	W	33				16	UNIMAK ISLAND REGION. <AEIC>. ML 3.7 (AEIC).
16	17	09	11.7*	30.242	S	137.988	E	10	G		1.4	5	SOUTH AUSTRALIA
16	17	33	49.1&	33.048	S	70.522	W	90				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
16	17	54	24.6?	31.11	S	68.32	W	200	G		0.7	12	SAN JUAN PROVINCE, ARGENTINA. MD 2.9 (GUC).
16	18	23	23.9&	40.067	N	29.927	E	10	G		1.4	5	TURKEY
16	18	50	12.3*	17.604	S	178.416	W	600	G	4.2	0.9	17	FIJI ISLANDS REGION
16	19	22	52.0*	50.028	S	114.980	W	10	G	4.3	0.7	12	SOUTHERN EAST PACIFIC RISE
16	19	25	36.8?	35.87	S	179.91	E	33	N	4.5	1.4	21	OFF E. COAST OF N. ISLAND, N.Z. ML 4.7 (WEL).
16	20	03	10.0	33.502	S	72.320	W	33	N		0.8	20	OFF COAST OF CENTRAL CHILE. MD 4.4 (GUC).
16	20	19	21.2*	21.620	N	143.238	E	269	?	4.1	1.0	25	MARIANA ISLANDS REGION
16	20	40	17.1&	33.544	S	72.216	W	4				11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
16	20	52	03.9*	36.870	N	70.834	E	33	N		1.2	11	HINDU KUSH REGION, AFGHANISTAN
16	21	27	28.5*	6.457	S	149.996	E	47	*	4.2	0.9	14	NEW BRITAIN REGION, P.N.G.
16	21	31	23.1*	11.405	S	118.822	E	33	N	3.7	1.5	12	SOUTH OF SUMBAWA, INDONESIA
16	22	22	39.2?	26.03	N	91.21	E	33	N		1.4	9	NORTHEASTERN INDIA
16	22	42	44.9&	17.039	N	100.308	W	45				7	GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).
16	22	47	08.4	37.168	N	21.271	E	33	N	4.1	1.3	39	SOUTHERN GREECE
16	23	46	11.7&	25.410	N	124.748	E	33	N		1.1	10	NORTHEAST OF TAIWAN
17	00	58	06.7&	55.499	N	39.297	W	10	G		0.9	7	NORTH ATLANTIC OCEAN
17	01	06	55.3	39.549	N	73.105	E	59	*	4.6	0.9	72	TAJIKISTAN-XINJIANG BORDER REG.
17	02	27	03.1*	10.625	N	127.370	E	33	N		1.3	8	PHILIPPINE ISLANDS REGION
17	03	13	32.5&	36.880	N	2.660	W	0	G			8	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.9 (MDD).
17	03	13	40.2&	43.900	N	8.000	E	2				6	CORSICA. <LDG>. ML 2.0 (LDG).
17	03	14	20.0	51.622	N	16.254	E	5	G		0.7	16	POLAND. ML 3.5 (GRF), 3.4 (WAR), 3.3 (VIE).
17	04	01	25.6	12.979	N	126.148	E	33	N	4.7	0.9	14	PHILIPPINE ISLANDS REGION
17	04	52	28.7?	39.94	S	174.60	E	10	G		0.1	5	NORTH ISLAND, NEW ZEALAND. ML 3.7 (WEL).
17	05	18	01.0	21.580	N	143.031	E	292	?	4.0	1.0	25	MARIANA ISLANDS REGION
17	07	11	16.4	11.861	S	116.980	E	33	N	4.9 4.4	1.4	47	SOUTH OF SUMBAWA, INDONESIA
17	07	23	47.9	20.906	S	178.574	W	554	D	4.7	0.9	80	FIJI ISLANDS REGION
17	09	24	45.0*	32.217	N	76.545	E	33	N	4.5	1.3	25	KASHMIR-INDIA BORDER REGION
17	09	26	41.6*	46.089	N	14.764	E	10	G		0.5	5	NORTHWESTERN BALKAN REGION. ML 1.1 (LJU).
17	09	41	37.6&	59.988	N	151.576	W	48				45	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
17	09	50	30.0&	44.300	N	7.700	E	2				6	NORTHERN ITALY. <LDG>. ML 1.7 (LDG).
17	10	02	05.5	36.628	N	26.681	E	154		4.3	1.0	113	DODECANESE ISLANDS
17	10	02	48.3&	44.300	N	7.600	E	2				7	NORTHERN ITALY. <LDG>. ML 2.1 (LDG).
17	10	27	48.7&	41.180	N	7.800	W	0	G			8	PORTUGAL. <MDD>. mbLg 2.5 (MDD).
17	10	37	04.4	6.026	S	146.650	E	60	*	4.1	1.0	18	EASTERN NEW GUINEA REG., P.N.G.
17	11	01	59.5&	16.252	N	97.837	W	5				7	OAXACA, MEXICO. <UNM>. MD 3.6 (UNM).
17	11	02	32.4&	32.359	S	71.726	W	13				11	NEAR COAST OF CENTRAL CHILE. <GUC>.
17	11	04	04.7	6.382	S	106.872	E	148	D	5.1	1.1	105	JAWA, INDONESIA. Mw 5.2 (HRV). Felt (III) at Jakarta. Centroid, Moment Tensor (HRV): Centroid origin time 11:04:07.6; Lat 6.49 S; Lon 106.76 E; Dep 151.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.42, Plg=49, Azm=213; (N) Val=-2.97, Plg=40, Azm=48; (P) Val=-6.45, Plg=8, Azm=311; Best double couple: Mo=7.9*10**16 Nm; NP1: Strike=5, Dip=51, Slip=34; NP2: Strike=252, Dip=64, Slip=136.
17	12	41	11.9	13.971	S	167.497	E	33	N	5.0 4.7	1.2	140	VANUATU ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:41:10.6; Lat 14.24 S; Lon 167.69 E; Dep 15.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.34, Plg=65, Azm=284; (N) Val=-0.65, Plg=8, Azm=177; (P) Val=-6.69, Plg=24, Azm=84; Best double couple: Mo=7.0*10**16 Nm; NP1: Strike=158, Dip=22, Slip=70; NP2: Strike=0, Dip=69, Slip=98.
17	13	07	08.1*	31.949	N	141.676	E	33	N	4.3	0.9	20	SOUTH OF HONSHU, JAPAN
17	13	24	49.0*	46.231	N	13.629	E	10	G		0.9	9	AUSTRIA. ML 2.5 (VIE), 1.9 (LJU). Felt (IV) in the epicentral area, Slovenia.
17	13	57	20.7*	6.269	S	147.144	E	100	G	4.0	1.2	17	EASTERN NEW GUINEA REG., P.N.G.
17	15	12	45.0	56.970	N	150.603	W	10	G		1.0	40	GULF OF ALASKA. ML 3.0 (AEIC).
17	16	08	17.5	41.180	N	140.896	E	54	*	4.4	0.7	24	HOKKAIDO, JAPAN REGION. Felt (II JMA) in northern Aomori

Prefecture, Honshu. Felt (I JMA) in the Matsumae area, Hokkaido.

17	16	12	11.8*	3.897	S	144.063	E	33	N		0.6	5	NEAR N COAST OF NEW GUINEA, PNG.
17	16	39	53.2*	45.939	N	14.647	E	10	G		0.2	5	NORTHWESTERN BALKAN REGION. ML 1.3 (LJU).
17	16	39	59.3	45.310	N	141.962	E	282		4.3	1.0	42	HOKKAIDO, JAPAN REGION
17	17	01	47.5	24.650	N	95.275	E	33	N		0.9	12	MYANMAR
17	17	03	52.5?	13.05	N	89.74	W	33	N		0.2	10	EL SALVADOR. MD 3.2 (SSS). Felt (II) at San Salvador.
17	17	40	13.0*	10.383	N	144.484	E	33	N	4.7	0.2	10	SOUTH OF MARIANA ISLANDS
17	18	04	53.1&	10.848	N	62.465	W	59				10	NEAR COAST OF VENEZUELA. <TRN>. MD 3.7 (TRN).
17	18	36	31.6*	51.503	N	16.234	E	5	G		1.0	8	POLAND. ML 3.3 (VIE), 2.6 (WAR).
17	19	04	40.3&	37.591	N	118.803	W	7				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK).
17	20	32	13.0&	39.430	N	120.500	W	17				17	NORTHERN CALIFORNIA. <REN-P>. MD 3.3 (REN). ML 3.3 (BRK), 3.4 (GS).
17	20	58	58.2*	5.374	S	145.932	E	150	*	4.8	0.8	18	EASTERN NEW GUINEA REG., P.N.G.
17	22	03	20.1&	55.067	N	160.268	W	59				10	ALASKA PENINSULA. <AEIC>. ML 2.5 (AEIC).
17	22	32	26.4&	64.874	N	150.562	W	27				43	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.4 (PMR).
17	23	11	10.0	24.737	N	122.063	E	10	G	4.6	1.4	18	TAIWAN REGION
17	23	12	16.9	53.565	N	163.266	W	33	N	5.2 4.8	1.0	247	UNIMAK ISLAND REGION. Mw 5.4 (HRV). ML 5.0 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 23:12:19.4; Lat 53.48 N; Lon 163.31 W; Dep 32.0 Bdy; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.41, Plg=61, Azm=316; (N) Val=0.31, Plg=6, Azm=58; (P) Val=-1.72, Plg=28, Azm=151; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=258, Dip=18, Slip=111; NP2: Strike=56, Dip=73, Slip=83.
17	23	18	09.1&	60.012	N	151.811	W	64				35	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
17	23	25	42.1	53.635	N	163.148	W	33	N	5.0 5.0	1.1	180	UNIMAK ISLAND REGION. Mw 5.5 (HRV). ML 5.1 (PMR). Centroid, Moment Tensor (HRV): Centroid origin time 23:25:43.3; Lat 53.35 N; Lon 163.58 W; Dep 32.0 Bdy; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.89, Plg=55, Azm=305; (N) Val=-0.22, Plg=10, Azm=50; (P) Val=-1.67, Plg=33, Azm=147; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=272, Dip=15, Slip=133; NP2: Strike=48, Dip=79, Slip=79.
17	23	33	59.1&	44.700	N	6.800	E	2				10	FRANCE. <LDG>. ML 1.9 (LDG).
18	00	30	13.5?	5.97	S	151.30	E	88	*	4.4	1.4	12	NEW BRITAIN REGION, P.N.G.
18	00	46	29.7&	17.960	N	65.680	W	5				5	PUERTO RICO REGION. <MPR>. MD 3.2 (MPR).
18	01	07	45.1&	58.698	N	153.212	W	65				64	KODIAK ISLAND REGION. <AEIC>. ML 2.6 (AEIC).
18	01	22	37.5&	31.846	S	70.431	W	129				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
18	01	39	01.3	24.718	N	141.237	E	110	D	5.5	0.9	279	VOLCANO ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:39:05.7; Lat 24.73 N; Lon 141.56 E; Dep 119.2; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.20, Plg=76, Azm=271; (N) Val=0.06, Plg=10, Azm=49; (P) Val=-1.27, Plg=9, Azm=141; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=243, Dip=37, Slip=107; NP2: Strike=42, Dip=55, Slip=77.
18	02	08	10.1	1.512	N	124.415	E	236		4.5	0.8	25	MINAHASSA PENINSULA, SULAWESI
18	02	10	30.3	32.843	S	109.033	W	10	G	4.4	0.7	44	SOUTHERN EAST PACIFIC RISE
18	02	12	37.9&	36.200	N	7.410	W	95				6	STRAIT OF GIBRALTAR. <MDD>.
18	02	13	03.7&	53.460	N	163.243	W	0				12	UNIMAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
18	03	15	38.9	16.832	S	166.759	E	33	N	5.0 4.6	1.2	78	VANUATU ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:15:42.9; Lat 16.52 S; Lon 166.66 E; Dep 42.2; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.55, Plg=15, Azm=113; (N) Val=-0.32, Plg=74, Azm=310; (P) Val=-1.24, Plg=4, Azm=205; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=250, Dip=76, Slip=8; NP2: Strike=158, Dip=82, Slip=166.
18	03	18	09.3	36.767	N	21.605	E	33	N	3.9	1.1	40	SOUTHERN GREECE
18	03	46	04.4&	30.723	S	71.632	W	15				10	NEAR COAST OF CENTRAL CHILE. <GUC>.
18	04	43	22.7*	44.823	N	149.689	E	33	N	4.8	1.3	15	KURIL ISLANDS
18	04	43	30.0&	35.946	S	71.420	W	140				12	CENTRAL CHILE. <GUC>.
18	05	22	09.5	44.025	N	33.618	E	33	N	4.3	1.1	134	CRIMEA REGION, UKRAINE. MD 4.1 (ISK). Felt (IV) at Balaklava.
18	05	24	22.6&	54.541	N	163.122	W	9				5	UNIMAK ISLAND REGION. <AEIC>. ML 2.6 (AEIC).
18	06	11	59.4&	32.327	S	71.049	W	52				12	NEAR COAST OF CENTRAL CHILE. <GUC>.
18	06	19	30.1&	60.172	N	152.599	W	89		4.3		155	SOUTHERN ALASKA. <AEIC>. Felt (II) at Homer.
18	06	25	15.7&	60.158	N	152.649	W	99				15	SOUTHERN ALASKA. <AEIC>.
18	06	38	08.3?	2.14	N	128.36	E	33	N	4.3	0.9	13	HALMAHERA, INDONESIA
18	06	56	58.0&	41.110	N	125.250	W	5				18	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 3.0 (BRK).
18	07	13	10.6	36.033	N	111.091	W	5	G		0.7	17	EASTERN ARIZONA. ML 3.4 (GS). Felt in the Tuba City area.
18	07	29	17.7	86.360	N	73.649	E	10	G	4.5	0.9	30	NORTH OF SEVERNAYA ZEMLYA
18	08	16	40.4&	85.604	N	77.103	E	10	G		0.5	6	NORTH OF SEVERNAYA ZEMLYA
18	08	16	52.9	23.608	S	66.734	W	207		4.4	1.3	57	JUJUY PROVINCE, ARGENTINA
18	08	33	54.0	19.285	N	145.341	E	152	D	5.4	1.0	218	MARIANA ISLANDS. Mw 5.7 (GS), 5.5 (HRV). Moment Tensor (GS): Dep 146; Principal axes (scale 10**17 Nm): (T) Val=3.83, Plg=6, Azm=159; (N) Val=-0.60, Plg=71, Azm=267; (P) Val=-3.23, Plg=18, Azm=67; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=205, Dip=73, Slip=-171; NP2: Strike=112, Dip=82, Slip=-17. Centroid, Moment Tensor (HRV): Centroid origin time 08:33:58.0; Lat 19.43 N; Lon 145.41 E; Dep 151.9; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.19, Plg=15, Azm=168; (N) Val=-0.43, Plg=50, Azm=276; (P) Val=-1.76, Plg=36, Azm=67; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=214, Dip=53, Slip=-163; NP2: Strike=114, Dip=76, Slip=-38.
18	08	37	46.2	37.340	N	36.325	E	10	G		1.0	10	TURKEY
18	09	10	04.2&	42.445	N	19.351	E	24				7	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.7 (PDG).
18	09	51	49.1	30.452	N	132.798	E	33	N	4.9 4.7	1.0	93	SOUTHEAST OF SHIKOKU, JAPAN
18	10	02	40.6	28.541	N	54.265	E	33	N	4.4	1.2	33	SOUTHERN IRAN. Sixty houses damaged in the Darab area.

18	10	07	13.8&	62.352	N	152.308	W	144				44	CENTRAL ALASKA. <AEIC>.
18	10	26	45.1*	20.783	S	67.401	W	200	*		0.6	11	SOUTHERN BOLIVIA
18	10	45	57.5&	58.691	N	153.212	W	58				61	KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
18	10	51	06.5%	48.680	N	153.036	E	100	G		0.9	8	KURIL ISLANDS
18	10	54	33.6	1.566	N	126.732	E	50	*	5.1 4.2	1.1	57	NORTHERN MOLUCCA SEA
18	11	52	09.2&	44.800	N	6.700	E	2				22	FRANCE. <LDG>. ML 2.3 (LDG), 2.2 (STR).
18	12	01	47.4&	37.430	N	3.540	W	10				11	SPAIN. <MDD>. mbLg 1.9 (MDD).
18	12	11	26.2&	46.500	N	7.500	E	2				6	SWITZERLAND. <LDG>. ML 1.6 (LDG).
18	12	20	43.6%	42.069	S	172.933	E	100	G		0.5	11	SOUTH ISLAND, NEW ZEALAND. Felt at Nelson.
18	12	28	13.5&	17.526	N	95.538	W	52				5	OAXACA, MEXICO. <UNM>. MD 3.8 (UNM).
18	12	58	26.1	0.832	N	30.017	E	10	G	4.3	0.7	28	UGANDA
18	13	26	45.8*	39.609	N	77.210	E	33	N		1.1	10	SOUTHERN XINJIANG, CHINA
18	13	54	28.2*	22.179	S	176.954	W	247	?	4.6	1.1	52	SOUTH OF FIJI ISLANDS
18	14	00	56.0&	16.223	N	97.593	W	15				9	OAXACA, MEXICO. <UNM>. MD 3.9 (UNM).
18	14	08	04.0*	2.162	S	120.669	E	33	N	4.4	1.1	13	SULAWESI, INDONESIA
18	14	20	08.0*	11.968	N	86.254	W	10	G	4.4	0.7	23	NEAR COAST OF NICARAGUA. Three people injured, 2 houses destroyed and 45 others severely damaged in the Ticuantepe area. Largest of a swarm of over 200 quakes on October 18 and 19.
18	14	22	37.7?	21.99	S	177.95	W	300	G	4.3	1.3	14	FIJI ISLANDS REGION
18	15	35	49.0*	51.353	N	16.333	E	5	G		0.8	7	POLAND. ML 3.2 (VIE), 2.7 (WAR).
18	16	16	51.1*	7.572	S	127.569	E	100	G	4.4	0.7	7	BANDA SEA
18	16	22	41.2	7.667	N	126.720	E	65	*	4.7	0.9	29	MINDANAO, PHILIPPINE ISLANDS
18	16	32	13.5?	32.58	S	179.12	W	33	N	4.5	1.4	21	SOUTH OF KERMADEC ISLANDS
18	16	48	06.6	7.863	N	126.601	E	80	*	4.9	0.9	20	MINDANAO, PHILIPPINE ISLANDS
18	17	01	38.3	8.894	S	124.064	E	122	*	4.6	1.5	33	TIMOR REGION, INDONESIA
18	17	52	25.7&	42.948	N	19.615	E	7				7	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.9 (PDG).
18	17	56	27.9&	59.180	N	152.990	W	71				48	SOUTHERN ALASKA. <AEIC>.
18	17	58	08.9&	46.000	N	6.100	E	2				6	SWITZERLAND. <LDG>. ML 1.8 (LDG).
18	18	04	07.8&	45.400	N	6.600	E	2				5	FRANCE. <LDG>. ML 1.6 (LDG).
18	18	21	46.1&	32.075	N	115.420	W	6	G			22	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.1 (PAS). MD 3.2 (ECX).
18	18	51	20.7&	49.140	N	6.890	E	1				5	GERMANY. <STR>. ML 1.4 (STR).
18	19	28	19.0&	43.840	N	111.010	W	2				32	EASTERN IDAHO. <USBR>. MD 3.0 (USBR). ML 3.2 (GS), 3.2 (BUT).
18	19	38	30.9&	32.037	N	115.410	W	6	G			25	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.6 (PAS). MD 3.8 (ECX).
18	19	59	43.9&	38.917	N	25.831	E	10	G			12	AEGEAN SEA. <ISK>. MD 3.6 (ISK).
18	20	51	50.9&	33.229	S	70.833	W	74				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
18	22	09	19.1	86.283	N	75.609	E	10	G	5.2 4.6	0.8	236	NORTH OF SEVERNAYA ZEMLYA. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:09:20.2; Lat 86.14 N; Lon 75.35 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.92, Plg=9, Azm=24; (N) Val=-0.08, Plg=9, Azm=292; (P) Val=-3.84, Plg=77, Azm=156; Best double couple: Mo=3.9*10**16 Nm; NP1: Strike=125, Dip=37, Slip=-74; NP2: Strike=285, Dip=54, Slip=-102.
18	23	04	38.6&	16.206	N	99.117	W	10				13	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
18	23	17	09.8	35.811	N	139.147	E	127		4.0	0.9	40	NEAR S. COAST OF HONSHU, JAPAN
18	23	34	51.5*	42.223	N	142.934	E	80	*		1.0	11	HOKKAIDO, JAPAN REGION
19	00	58	43.4&	33.834	S	71.559	W	45				10	NEAR COAST OF CENTRAL CHILE. <GUC>.
19	01	04	10.8&	31.555	S	69.419	W	193				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
19	01	07	40.5*	40.276	N	16.121	E	10	G		0.9	14	SOUTHERN ITALY
19	01	25	01.0	17.275	S	167.763	E	33	N	5.3 5.6	1.1	148	VANUATU ISLANDS. Mw 5.9 (GS), 5.9 (HRV). Moment Tensor (GS): Dep 16; Principal axes (scale 10**17 Nm): (T) Val=7.73, Plg=49, Azm=33; (N) Val=-0.30, Plg=34, Azm=174; (P) Val=-7.43, Plg=20, Azm=278; Best double couple: Mo=7.6*10**17 Nm; NP1: Strike=50, Dip=39, Slip=152; NP2: Strike=162, Dip=73, Slip=54. Centroid, Moment Tensor (HRV): Centroid origin time 01:25:05.8; Lat 17.20 S; Lon 167.57 E; Dep 17.0 Bdy; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=8.14, Plg=66, Azm=32; (N) Val=-0.36, Plg=17, Azm=166; (P) Val=-7.78, Plg=16, Azm=261; Best double couple: Mo=8.0*10**17 Nm; NP1: Strike=14, Dip=32, Slip=123; NP2: Strike=157, Dip=63, Slip=71. Scalar Moment (PPT): Mo=1.6*10**18 Nm.
19	02	04	05.8&	32.353	S	71.422	W	42				13	NEAR COAST OF CENTRAL CHILE. <GUC>.
19	02	04	16.2&	60.059	N	140.681	W	7				37	SOUTHEASTERN ALASKA. <AEIC>. ML 3.0 (AEIC), 2.8 (PGC).
19	02	23	35.3	17.198	S	167.864	E	33	N	4.9 5.0	1.1	51	VANUATU ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:23:41.2; Lat 16.48 S; Lon 167.02 E; Dep 22.0; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.54, Plg=59, Azm=333; (N) Val=-0.28, Plg=29, Azm=176; (P) Val=-1.25, Plg=10, Azm=80; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=139, Dip=43, Slip=44; NP2: Strike=13, Dip=61, Slip=124.
19	02	39	59.3?	5.51	N	126.75	E	74	?		1.2	9	MINDANAO, PHILIPPINE ISLANDS
19	03	15	15.1*	30.207	N	132.432	E	33	N	4.8	1.3	13	SOUTHEAST OF SHIKOKU, JAPAN
19	03	17	12.5&	43.400	N	0.700	W	7				15	PYRENEES. <LDG>. ML 2.7 (STR), 2.6 (LDG). mbLg 2.1 (MDD).
19	04	12	34.4&	43.500	N	0.700	W	2				6	PYRENEES. <LDG>. ML 2.5 (STR), 2.0 (LDG).
19	04	47	17.6*	15.967	S	172.676	W	10	G	4.5	1.0	13	SAMOA ISLANDS REGION
19	05	03	32.7&	59.813	N	139.691	W	0				43	SOUTHEASTERN ALASKA. <AEIC>. ML 3.5 (AEIC), 3.6 (PGC), 3.9 (PMR). Felt (IV) at Yakutat.
19	06	06	13.7&	32.017	N	115.420	W	6	G			22	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.6 (PAS). MD 3.6 (ECX).
19	07	04	38.6	34.173	S	68.425	W	10	G		0.8	19	MENDOZA PROVINCE, ARGENTINA. MD 4.4 (GUC).
19	07	40	33.7?	20.77	S	179.00	W	694	?	3.5	0.6	13	FIJI ISLANDS REGION
19	07	49	01.2?	5.58	S	151.42	E	61	?	3.9	1.0	9	NEW BRITAIN REGION, P.N.G.
19	08	48	52.1	0.293	N	98.613	E	51	*		1.3	16	NORTHERN SUMATERA, INDONESIA
19	09	02	34.0&	31.767	S	69.744	W	153				12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.2 (GUC).
19	09	59	17.5*	32.675	S	68.851	W	22			1.4	14	MENDOZA PROVINCE, ARGENTINA. MD 3.9 (GUC).
19	11	34	25.0&	38.240	N	118.390	W	14				10	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 2.6 (REN). ML 2.7 (GS).

19	11	53	17.0&	38.230	N	118.390	W	10				15	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 2.9 (REN). ML 3.1 (GS).
19	12	29	08.0&	38.230	N	118.400	W	12				13	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 2.7 (REN). ML 2.8 (GS).
19	13	34	55.6*	53.901	N	163.456	W	33	N	4.2	1.2	23	UNIMAK ISLAND REGION
19	14	52	57.1&	9.363	N	79.234	W	70				7	PANAMA. <UPA>. MD 4.0 (UPA). Felt (III) at Panama City.
19	16	01	21.9&	31.628	S	69.954	W	148				12	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
19	16	29	46.0	39.483	N	77.437	E	33	N	4.5 3.6	1.4	21	SOUTHERN XINJIANG, CHINA
19	17	00	29.3*	27.067	N	140.467	E	451		4.3	0.8	14	BONIN ISLANDS REGION
19	17	35	07.8*	28.498	N	54.434	E	3[illegible]			0.8	9	SOUTHERN IRAN
19	17	43	43.7&	46.800	N	2.200	W	2				6	BAY OF BISCAY. <LDG>. ML 2.2 (LDG).
19	18	00	32.5?	37.63	N	20.86	E	33	N		0.9	8	IONIAN SEA
19	18	15	53.3	7.067	N	82.068	W	29	D	4.7 4.0	1.1	82	SOUTH OF PANAMA. MD 4.6 (UPA).
19	18	32	26.5?	21.56	S	179.44	W	582	?	4.1	1.0	12	FIJI ISLANDS REGION
19	20	54	35.0&	34.709	S	71.215	W	79				13	NEAR COAST OF CENTRAL CHILE. <GUC>.
19	21	18	42.8&	32.084	N	115.419	W	6	G			20	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.2 (PAS). MD 3.4 (ECX).
19	22	30	49.0	71.169	N	8.016	W	10	G	4.3	1.0	45	JAN MAYEN ISLAND REGION
19	23	05	15.1	3.473	N	79.234	W	33	N	4.6 3.9	0.9	60	SOUTH OF PANAMA
19	23	19	01.6?	35.56	N	23.51	E	106	?	4.4	1.2	18	CRETE
19	23	22	13.2?	5.24	S	146.93	E	178	?	4.1	1.0	8	EASTERN NEW GUINEA REG., P.N.G.
19	23	57	33.2	21.254	S	68.969	W	124	D	4.7	1.5	98	CHILE-BOLIVIA BORDER REGION
20	00	06	51.6	51.592	N	16.235	E	5	G		0.8	21	POLAND. ML 3.5 (GRF), 3.4 (VIE), 3.1 (WAR).
20	00	25	08.2&	32.986	S	70.251	W	103				10	CHILE-ARGENTINA BORDER REGION. <GUC>.
20	01	06	11.4&	60.054	N	140.225	W	7				40	SOUTHEASTERN ALASKA. <AEIC>. ML 4.1 (AEIC), 4.0 (PMR), 3.7 (PGC).
20	02	48	57.1&	32.058	N	115.406	W	6	G	4.2		47	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 4.2 (PAS).
20	02	53	06.1&	32.018	N	115.408	W	6	G			28	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.7 (PAS).
20	03	15	46.8	52.598	N	158.052	E	128		4.5	0.9	41	NEAR EAST COAST OF KAMCHATKA
20	03	20	39.6&	45.500	N	1.100	E	2				16	FRANCE. <LDG>. ML 2.7 (STR), 2.3 (LDG).
20	03	46	43.6*	51.645	N	16.201	E	5	G		0.7	12	POLAND. ML 3.2 (VIE), 3.0 (WAR).
20	03	48	01.3*	52.073	N	174.302	W	81	*	4.0	0.8	16	ANDREANOF ISLANDS, ALEUTIAN IS.
20	03	53	26.8&	15.937	N	94.119	W	116				4	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 3.9 (UNM).
20	03	55	03.0&	31.685	S	69.926	W	151				18	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 4.1 (GUC).
20	05	37	01.0?	5.04	S	150.35	E	300	G	4.5	0.8	11	NEW BRITAIN REGION, P.N.G.
20	06	47	51.5&	35.368	S	71.356	W	118				12	CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
20	07	24	12.9&	12.076	N	62.069	W	139				5	WINDWARD ISLANDS. <TRN>. MD 3.6 (TRN).
20	07	29	33.8?	11.52	N	85.97	W	33	N	4.2	1.4	11	NICARAGUA
20	07	44	28.0*	15.102	N	95.565	W	33	N		1.1	5	NEAR COAST OF OAXACA, MEXICO. MD 4.0 (UNM).
20	08	09	18.2*	6.790	S	131.630	E	33	N	4.6	1.2	11	TANIMBAR ISLANDS REG., INDONESIA
20	08	25	55.9&	40.212	S	174.311	E	33	N		0.4	7	COOK STRAIT, NEW ZEALAND. ML 3.7 (WEL).
20	08	42	45.9&	43.410	N	5.480	E	1				10	NEAR SOUTH COAST OF FRANCE. <STR>. ML 2.7 (STR). Mining induced event in the Gardanne area.
20	09	25	24.0&	31.840	N	115.721	W	6	G			29	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.9 (PAS). MD 3.7 (ECX).
20	09	48	53.8&	44.300	N	7.700	E	2				5	NORTHERN ITALY. <LDG>. ML 2.0 (LDG).
20	10	03	27.4*	15.293	S	173.573	W	33	N	4.4	0.9	20	TONGA ISLANDS
20	10	42	09.3*	45.515	N	15.313	E	10	G		1.2	7	NORTHWESTERN BALKAN REGION. ML 2.3 (LJU).
20	10	48	45.9	40.353	S	175.710	E	59			0.4	15	NORTH ISLAND, NEW ZEALAND. Felt at Palmerston North.
20	11	33	10.8*	15.392	S	167.695	E	100	G	4.4	1.0	26	VANUATU ISLANDS
20	11	52	40.6	20.594	S	174.299	W	33	N	5.1 4.8	0.9	112	TONGA ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:52:42.5; Lat 20.90 S; Lon 173.63 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.23, Plg=46, Azm=345; (N) Val=-0.32, Plg=43, Azm=154; (P) Val=-0.91, Plg=5, Azm=249; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=16, Dip=55, Slip=147; NP2: Strike=126, Dip=64, Slip=40.
20	12	18	52.5*	39.707	N	75.161	E	33	N		0.8	14	SOUTHERN XINJIANG, CHINA
20	13	42	42.6&	37.000	N	4.390	W	38				13	SPAIN. <MDD>.
20	14	15	16.2&	45.610	N	2.260	E	5	G			4	FRANCE. <STR>. ML 2.2 (STR).
20	15	26	18.0&	61.774	N	151.829	W	102				22	SOUTHERN ALASKA. <AEIC>.
20	15	53	48.5&	44.393	N	7.291	E	0				12	NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
20	17	21	17.0&	44.350	N	114.510	W	11				8	WESTERN IDAHO. <BSE-P>. ML 3.2 (BSE). Felt.
20	17	39	40.3	23.377	S	66.629	W	214		4.5	0.9	49	JUJUY PROVINCE, ARGENTINA
20	17	57	23.7*	24.083	S	179.444	E	550	G	4.3	1.5	29	SOUTH OF FIJI ISLANDS
20	18	39	23.2	42.561	N	87.148	E	33	N	4.7	0.8	67	NORTHERN XINJIANG, CHINA
20	19	07	31.5?	6.35	S	128.29	E	383	?	4.0	0.9	7	BANDA SEA
20	19	45	54.4*	51.044	N	15.819	E	5	G		1.2	6	POLAND. ML 2.9 (VIE).
20	20	02	59.8	43.834	S	169.669	E	10	G	4.9 4.8	1.2	44	SOUTH ISLAND, NEW ZEALAND. Mw 5.4 (HRV). Minor damage in the Canterbury, Mount Cook, Otago and Westland regions. Felt in the central and southern parts of the South Island. Centroid, Moment Tensor (HRV): Centroid origin time 20:03:03.9; Lat 43.80 S; Lon 169.62 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.43, Plg=22, Azm=37; (N) Val=-0.18, Plg=53, Azm=158; (P) Val=-1.25, Plg=28, Azm=294; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=78, Dip=54, Slip=-175; NP2: Strike=344, Dip=86, Slip=-37.
20	20	10	25.5&	54.323	N	162.388	W	0				13	ALASKA PENINSULA. <AEIC>. ML 3.3 (AEIC).
20	20	26	25.1&	33.196	S	70.301	W	112				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
20	20	38	25.1	11.372	S	118.248	E	33	N	3.7	0.9	10	SOUTH OF SUMBAWA, INDONESIA
20	20	43	21.3*	40.329	N	69.793	E	33	N	4.4	1.1	11	TAJIKISTAN
20	21	16	02.4&	63.204	N	151.307	W	11				16	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.4 (PMR).
20	22	50	58.2&	35.200	N	3.700	W	2				9	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.5 (MDD).
20	22	59	37.1?	34.80	N	3.74	W	10	G		1.3	11	MOROCCO. mbLg 3.5 (MDD).
20	23	02	32.2&	35.100	N	3.750	W	10				9	STRAIT OF GIBRALTAR. <MDD>. mbLg 3.0 (MDD).
20	23	13	13.1	34.949	N	141.453	E	33	N	4.7	0.8	18	OFF EAST COAST OF HONSHU, JAPAN
20	23	14	20.1&	32.085	N	115.403	W	6	G			24	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.8 (PAS). MD 3.9 (ECX).
20	23	28	05.9&	32.075	N	115.425	W	6	G			14	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.1 (PAS). MD 3.2 (ECX).
20	23	47	03.7*	34.844	N	3.776	W	10	G		1.1	22	MOROCCO. mbLg 4.7 (MDD).
21	00	45	20.5	15.800	S	168.327	E	283	*	4.5	0.8	37	VANUATU ISLANDS

21	00	51	20.0?	53.97	S	134.08	W	10	G		1.3	9	PACIFIC-ANTARCTIC RIDGE
21	01	14	42.3*	11.305	S	165.180	E	33	N	4.4	0.9	16	SANTA CRUZ ISLANDS
21	02	05	30.9	49.287	N	154.937	E	69	D	4.6	0.8	61	KURIL ISLANDS
21	02	20	32.9&	59.854	N	153.365	W	133				47	SOUTHERN ALASKA. <AEIC>.
21	02	28	56.2	6.324	S	103.783	E	41	D	5.1	0.9	43	SOUTHWEST OF SUMATERA, INDONESIA
21	03	10	55.5?	51.57	N	16.08	E	5	G		0.7	8	POLAND. ML 3.1 (VIE).
21	03	18	17.5	14.511	N	120.019	E	76		4.9	1.0	65	LUZON, PHILIPPINE ISLANDS
21	03	26	06.5&	24.628	N	94.870	E	86	D		0.6	10	MYANMAR-INDIA BORDER REGION
21	05	25	25.0&	45.940	N	122.069	W	12				20	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 3.2 (SEA). Felt at Battle Ground, Carson, Stevenson and Washougal, Washington.
21	05	27	01.8&	35.639	N	120.960	W	3				31	CENTRAL CALIFORNIA. <GM-P>. ML 3.2 (GM), 3.1 (BRK).
21	05	30	55.8	3.282	S	142.875	E	33	N	4.6	0.8	22	NEAR N COAST OF NEW GUINEA, PNG.
21	05	56	47.2&	37.381	N	78.367	W	13				14	VIRGINIA. <BLA-P>. mbLg 3.8 (BLA), 3.3 (GS). Felt in parts of Amelia, Appomattox, Buckingham, Charlotte, Chesterfield, Cumberland, Goochland, Nottoway, Powhatan and Prince Edward Counties. Also felt at Richmond.
21	06	14	10.8*	3.304	S	142.898	E	33	N	3.7	0.9	10	NEAR N COAST OF NEW GUINEA, PNG.
21	06	57	02.0&	32.439	S	69.987	W	122				10	MENDOZA PROVINCE, ARGENTINA. <GUC>.
21	07	07	02.7&	54.852	N	159.292	W	0				14	SOUTH OF ALASKA. <AEIC>. ML 3.1 (AEIC).
21	08	31	01.0&	39.770	N	120.670	W	16		3.6		44	NORTHERN CALIFORNIA. <REN-P>. Mw 4.1 (BRK). MD 4.3 (REN). ML 4.5 (GM), 4.5 (BRK), 4.4 (GS). Felt at Graeagle, Grass Valley, Portola and Quincy. Felt as far as Sacramento. Moment Tensor (BRK): Dep 11; Principal axes (scale 10**15 Nm): (T) Val=1.73, Plg=12, Azm=227; (N) Val=0.00, Plg=71, Azm=354; (P) Val=-1.73, Plg=15, Azm=134; Best double couple: Mo=1.7*10**15 Nm; NP1: Strike=180, Dip=88, Slip=-19; NP2: Strike=271, Dip=71, Slip=-178.
21	08	36	03.0&	39.780	N	120.660	W	13				10	NORTHERN CALIFORNIA. <REN-P>. MD 2.6 (REN). ML 3.0 (BRK), 3.0 (GS). Felt at Portola.
21	08	43	40.2&	43.400	N	5.440	E	2				12	NEAR SOUTH COAST OF FRANCE. <STR>. ML 2.7 (STR). Mining induced event in the Gardanne area.
21	08	56	19.5&	34.945	N	116.656	W	1				28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
21	09	15	09.5?	55.50	S	129.89	W	10	G		1.1	9	PACIFIC-ANTARCTIC RIDGE
21	09	30	43.0&	39.750	N	120.670	W	5				12	NORTHERN CALIFORNIA. <REN-P>. MD 2.9 (REN). ML 3.2 (BRK), 3.1 (GS). Felt at Portola.
21	09	39	38.5&	44.382	N	7.475	E	17				4	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
21	10	07	34.2	34.518	N	24.800	E	49	*	4.1	1.2	49	CRETE
21	10	12	52.2*	11.911	N	87.914	W	33	N	4.5	0.9	26	NEAR COAST OF NICARAGUA
21	10	39	02.5&	32.383	S	69.987	W	128				12	MENDOZA PROVINCE, ARGENTINA. <GUC>.
21	10	41	19.3&	31.666	S	69.794	W	149				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
21	10	50	01.2&	32.252	S	70.620	W	97				12	CHILE-ARGENTINA BORDER REGION. <GUC>.
21	12	00	38.7	38.266	S	175.896	E	208		4.2	1.0	42	NORTH ISLAND, NEW ZEALAND. Felt at Napier.
21	12	29	57.0?	16.44	S	167.04	E	33	N	4.1	1.3	10	VANUATU ISLANDS
21	12	39	34.9*	51.850	N	176.974	W	60		4.5	0.8	16	ANDREANOF ISLANDS, ALEUTIAN IS.
21	13	11	56.3*	7.893	S	118.189	E	213	*	3.4	1.5	10	FLORES SEA
21	13	21	49.6	40.356	N	13.731	E	409		4.4	1.0	41	TYRRHENIAN SEA
21	14	15	13.0*	20.056	S	178.623	W	600	G	4.2	0.9	22	FIJI ISLANDS REGION
21	14	44	25.7&	58.942	N	152.178	W	70				47	KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
21	14	46	08.8	55.006	N	161.608	E	63		4.4	0.9	43	NEAR EAST COAST OF KAMCHATKA
21	16	12	39.6*	6.319	S	77.023	W	129	*	3.8	0.6	16	NORTHERN PERU
21	17	13	48.1*	4.354	S	151.889	E	176	*	4.7	1.2	18	NEW BRITAIN REGION, P.N.G.
21	17	21	57.3*	39.003	N	140.519	E	126	*		0.8	12	EASTERN HONSHU, JAPAN
21	17	54	22.0*	54.892	N	162.921	E	33	N	4.5	0.9	14	NEAR EAST COAST OF KAMCHATKA
21	19	14	40.0	9.803	S	121.199	E	33	N	4.3	1.1	14	SAVU SEA
21	20	09	46.7	34.238	N	31.362	E	33	N		0.5	18	CYPRUS REGION. ML 3.1 (CSS).
21	20	26	06.5?	51.89	N	177.27	W	33	N		1.2	7	ANDREANOF ISLANDS, ALEUTIAN IS.
21	20	28	45.4&	33.836	S	70.630	W	80				7	CHILE-ARGENTINA BORDER REGION. <GUC>.
21	20	33	01.1&	63.557	N	153.260	W	6				37	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.3 (PMR).
21	20	47	13.8&	43.140	N	5.060	E	2				5	NEAR SOUTH COAST OF FRANCE. <STR>. ML 1.8 (STR).
21	21	16	46.0*	61.853	N	26.816	W	10	G	4.2	1.4	18	ICELAND REGION
21	21	38	33.5*	42.981	N	147.000	E	33	N	4.1	1.3	13	OFF COAST OF HOKKAIDO, JAPAN
22	00	35	00.9*	0.337	S	99.680	E	111	*		1.3	12	SOUTHERN SUMATERA, INDONESIA
22	00	58	49.3	45.772	N	11.250	E	10	G		0.9	35	NORTHERN ITALY. ML 3.5 (VIE), 2.9 (FUR).
22	01	28	36.3&	38.525	N	122.303	W	8				13	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK).
22	01	38	16.9&	35.564	S	71.406	W	111				10	CENTRAL CHILE. <GUC>. MD 2.9 (GUC).
22	01	48	11.5*	31.529	S	68.248	W	33	N		1.1	15	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (GUC).
22	02	09	48.7&	34.473	S	71.022	W	71				8	NEAR COAST OF CENTRAL CHILE. <GUC>.
22	02	23	42.4*	8.672	S	122.781	E	33	N	4.0	1.1	10	FLORES REGION, INDONESIA
22	02	27	17.5*	20.046	S	69.229	W	112	*	4.4	1.2	13	NORTHERN CHILE
22	03	06	35.5?	15.34	S	177.65	W	350	G	3.8	0.6	13	FIJI ISLANDS REGION
22	04	03	30.1*	11.223	N	124.460	E	33	N	4.8	1.3	15	LEYTE, PHILIPPINE ISLANDS
22	04	06	16.5*	10.801	S	162.922	E	150	G	4.2	1.1	24	SOLOMON ISLANDS
22	04	15	38.1&	44.700	N	6.700	E	2				8	FRANCE. <LDG>. ML 1.5 (LDG).
22	04	46	31.0*	9.674	S	150.560	E	33	N	3.6	1.2	13	EASTERN NEW GUINEA REG., P.N.G.
22	05	03	35.4*	13.607	N	119.822	E	33	N		1.3	5	PHILIPPINE ISLANDS REGION
22	05	05	17.6*	13.497	N	88.181	W	200	G	4.0	1.1	25	EL SALVADOR
22	05	41	01.3&	31.602	S	71.886	W	31				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
22	06	05	10.0*	30.919	S	71.434	W	33	N		0.9	14	NEAR COAST OF CENTRAL CHILE. MD 4.3 (GUC).
22	06	19	14.1&	61.497	N	146.609	W	20				57	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
22	06	25	37.1&	41.687	S	173.851	E	88	?		0.2	8	SOUTH ISLAND, NEW ZEALAND
22	07	36	54.5&	18.920	N	65.140	W	59				6	PUERTO RICO REGION. <MPR>. MD 3.6 (MPR).
22	08	13	23.6	8.008	S	125.525	E	33	N	5.3 4.5	1.2	63	TIMOR REGION, INDONESIA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:13:29.2; Lat 7.61 S; Lon 126.02 E; Dep 42.7; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.31, Plg=72, Azm=154; (N) Val=0.15, Plg=6, Azm=45; (P) Val=-1.45, Plg=17, Azm=313; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=34, Dip=28, Slip=77; NP2: Strike=229, Dip=62, Slip=97.
22	08	55	09.9*	4.095	S	152.522	E	33	N	4.1	1.0	17	NEW BRITAIN REGION, P.N.G.
22	09	08	28.4&	15.899	N	99.011	W	71				7	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 3.8 (UNM).
22	09	36	14.3*	5.400	S	11.560	W	10	G	4.2	0.8	8	ASCENSION ISLAND REGION

22	09	40	04.3&	16.077	N	98.988	W	5				6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
22	09	43	35.0&	49.340	N	66.880	W	18	G			7	GASPE PENINSULA, CANADA. <OTT-P>. mbLg 4.1 (OTT). Felt at Port Cartier and Sept-Iles.
22	09	59	26.6	5.625	S	11.528	W	10	G	4.8	4.5 1.2	47	ASCENSION ISLAND REGION
22	10	32	54.6&	63.493	N	151.070	W	17				44	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
22	11	06	21.3&	31.868	N	115.419	W	6	G			20	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.2 (PAS). MD 3.5 (ECX).
22	12	03	25.4&	39.604	N	29.571	E	10	G			5	TURKEY. <ISK>. MD 2.5 (ISK).
22	12	51	01.5&	39.353	N	28.306	E	8				13	TURKEY. <ISK>. MD 3.0 (ISK).
22	13	58	30.5&	31.559	S	71.438	W	39				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
22	15	06	19.3*	7.033	S	129.366	E	181	?	4.4	1.3	11	BANDA SEA
22	15	08	51.3*	6.341	S	130.731	E	106	*	4.5	0.9	13	BANDA SEA
22	15	13	41.6?	2.08	S	28.35	E	10	G		0.1	5	LAKE TANGANYIKA REGION
22	15	29	55.4	39.708	N	143.360	E	33	N	4.6	1.1	31	OFF EAST COAST OF HONSEU, JAPAN
22	15	49	51.4*	48.575	N	154.968	E	33	N	3.9	0.2	8	KURIL ISLANDS
22	16	03	12.1*	16.036	S	176.488	W	350	G	4.3	0.6	33	FIJI ISLANDS REGION
22	16	27	43.1&	66.818	N	146.933	W	10				26	NORTHERN ALASKA. <AEIC>. ML 3.3 (AEIC).
22	16	38	50.6	53.294	N	163.005	W	33	N	4.7	1.2	33	UNIMAK ISLAND REGION
22	17	10	13.2*	6.526	S	131.658	E	33	N	4.4	1.4	10	TANIMBAR ISLANDS REG., INDONESIA
22	17	13	44.7*	5.733	S	146.963	E	93	*	4.4	1.4	16	EASTERN NEW GUINEA REG., P.N.G.
22	18	04	47.8*	8.029	S	125.968	E	33	N		1.1	7	TIMOR REGION, INDONESIA
22	18	11	08.5	46.206	N	13.737	E	10	G		1.0	11	AUSTRIA. ML 2.4 (VIE), 1.8 (LJU). Felt (IV) at Dreznica, Slovenia.
22	18	23	33.4*	46.194	N	13.581	E	10	G		0.7	7	AUSTRIA. ML 2.3 (VIE).
22	18	51	24.9	15.258	N	61.359	W	10	G		0.2	8	LEEWARD ISLANDS
22	19	01	18.5*	29.905	S	179.362	W	350	G	3.9	0.8	14	KERMADEC ISLANDS REGION
22	19	09	45.6	8.813	S	119.378	E	36	*	4.0	1.1	22	FLORES REGION, INDONESIA
22	19	24	28.9*	6.073	S	35.072	E	10	G	3.9	0.7	10	TANZANIA
22	19	39	09.9	10.922	S	165.148	E	33	N	4.7	4.5 1.3	37	SANTA CRUZ ISLANDS
22	19	49	14.8&	37.945	N	122.307	W	8				5	CENTRAL CALIFORNIA. <GM-P>. MD 2.5 (GM). ML 2.7 (BRK). Felt at El Cerrito and Richmond.
22	19	58	15.0*	8.116	S	125.724	E	33	N	4.2	1.3	17	TIMOR REGION, INDONESIA
22	20	29	31.3*	38.072	N	20.381	E	33	N	3.9	1.4	29	GREECE
22	20	32	55.0&	33.063	S	70.299	W	98				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
22	20	38	56.0*	8.149	S	125.636	E	33	N	4.4	1.4	12	TIMOR REGION, INDONESIA
22	23	47	20.8&	40.973	N	31.764	E	9		3.9		67	TURKEY. <ISK>. MD 3.9 (ISK). Felt at Devrek and Zonguldak.
23	01	10	40.6&	37.160	N	3.740	W	12				16	SPAIN. <MDD>. mbLg 1.5 (MDD).
23	01	16	58.2?	46.11	N	13.92	E	5	G		0.4	5	AUSTRIA. ML 1.2 (LJU).
23	01	22	02.7	7.849	S	117.691	E	33	N	3.0	0.6	8	BALI SEA
23	01	48	51.6	2.423	S	76.359	W	147	D	5.3	0.8	358	PERU-ECUADOR BORDER REGION. Mw 5.4 (GS), 5.4 (HRV). Moment Tensor (GS): Dep 137; Principal axes (scale 10**17 Nm): (T) Val=1.80, Plg=27, Azm=20; (N) Val=-0.44, Plg=2, Azm=112; (P) Val=-1.36, Plg=63, Azm=206; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=104, Dip=19, Slip=-98; NP2: Strike=292, Dip=72, Slip=-87. Centroid, Moment Tensor (HRV): Centroid origin time 01:48:55.7; Lat 2.30 S; Lon 76.24 W; Dep 140.9; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.53, Plg=24, Azm=33; (N) Val=-0.20, Plg=26, Azm=291; (P) Val=-1.34, Plg=53, Azm=160; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=164, Dip=31, Slip=-33; NP2: Strike=283, Dip=74, Slip=-117.
23	02	15	54.8*	46.212	N	12.545	E	10	G		0.4	6	NORTHERN ITALY. ML 2.1 (VIE).
23	02	26	19.6&	17.101	N	93.926	W	0				7	CHIAPAS, MEXICO. <UNM>. MD 4.2 (UNM).
23	02	47	32.9&	19.110	N	64.000	W	65				7	VIRGIN ISLANDS. <MPR>. MD 3.8 (MPR).
23	03	30	48.7?	55.54	N	161.96	E	33	N		1.5	7	NEAR EAST COAST OF KAMCHATKA
23	04	01	41.4*	54.952	N	161.423	E	75	*	4.0	0.7	11	NEAR EAST COAST OF KAMCHATKA
23	04	29	43.6&	32.731	S	71.445	W	24				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
23	04	38	25.7?	17.27	S	178.87	W	500	G	4.3	0.9	17	FIJI ISLANDS REGION
23	05	04	17.6	35.753	N	29.249	E	33	N	4.1	1.3	18	EASTERN MEDITERRANEAN SEA. MD 3.8 (ISK).
23	05	05	59.3*	20.997	S	67.240	W	200	*	3.9	1.0	18	SOUTHERN BOLIVIA
23	05	12	28.9	5.175	S	128.902	E	265	D	5.0	1.0	92	BANDA SEA
23	05	55	31.7?	49.76	S	116.46	E	10	G		1.1	16	SOUTH OF AUSTRALIA
23	06	24	05.5&	44.014	N	7.747	E	1				9	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
23	06	25	01.1*	27.166	N	100.999	E	33	N	4.0	1.4	17	YUNNAN, CHINA. ML 4.5 (BJI).
23	06	42	57.0?	6.73	S	147.91	E	70	*	4.0	0.6	12	EASTERN NEW GUINEA REG., P.N.G.
23	07	07	55.8	15.274	N	61.360	W	10	G		0.2	9	LEEWARD ISLANDS
23	07	46	00.2	26.022	S	64.687	W	43	*	4.1	1.0	23	TUCUMAN PROVINCE, ARGENTINA
23	08	10	55.2&	32.379	S	71.430	W	33				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
23	08	12	14.6*	31.018	S	71.345	W	86	*		1.1	13	NEAR COAST OF CENTRAL CHILE
23	08	14	13.1&	10.817	N	62.346	W	62				4	NEAR COAST OF VENEZUELA. <TRN>. MD 3.3 (TRN).
23	08	31	28.0&	33.168	S	71.407	W	48				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC). Felt (II) at Los Andes.
23	08	33	45.1*	3.090	N	35.991	E	10	G	3.9	1.1	15	KENYA
23	08	38	50.4*	35.000	N	29.578	E	33	N	4.2	1.1	17	EASTERN MEDITERRANEAN SEA
23	08	44	51.4&	33.155	N	115.646	W	2				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
23	09	09	31.7&	42.330	N	1.580	E	2	G			19	PYRENEES. <STR>. ML 3.1 (STR), 2.7 (LDG). mbLg 2.6 (MDD).
23	09	10	16.4	22.264	S	179.703	W	600	G	4.5	0.7	45	SOUTH OF FIJI ISLANDS
23	09	18	24.9&	39.641	N	29.475	E	8				4	TURKEY. <ISK>. MD 2.6 (ISK).
23	09	46	20.8	16.113	N	93.820	W	122		3.8	1.3	29	CHIAPAS, MEXICO. MD 4.2 (UNM).
23	09	59	55.9*	3.017	S	129.786	E	33	N	3.8	0.9	15	SERAM, INDONESIA
23	10	52	34.7&	39.212	S	175.638	E	100	G		0.3	11	NORTH ISLAND, NEW ZEALAND
23	11	18	50.2	1.647	N	126.470	E	36		5.3	4.3 1.0	93	NORTHERN MOLUCCA SEA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:18:55.5; Lat 1.76 N; Lon 126.54 E; Dep 55.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.20, Plg=71, Azm=23; (N) Val=-0.24, Plg=18, Azm=181; (P) Val=-6.95, Plg=7, Azm=273; Best double couple: Mo=7.1*10**16 Nm; NP1: Strike=22, Dip=41, Slip=117; NP2: Strike=168, Dip=54, Slip=68.
23	11	45	11.5*	10.131	N	93.158	E	116	?	4.6	0.9	28	ANDAMAN ISLANDS, INDIA
23	12	30	09.4*	75.901	N	133.999	E	10	G	4.2	1.1	14	LAPTEV SEA
23	13	03	40.9?	45.65	N	13.75	E	10	G		1.0	4	NORTHERN ITALY. ML 2.1 (VIE).
23	13	13	00.0&	41.630	N	8.400	W	5				9	PORTUGAL. <MDD>. mbLg 2.9 (MDD).

23	13	32	53.0&	40.446	N	29.181	E	5					4	TURKEY. <ISK>. MD 2.4 (ISK).
23	13	53	05.6?	3.00	S	129.91	E	33	N	4.1		1.5	8	SERAM, INDONESIA
23	14	39	02.5&	42.800	N	2.800	E	5					6	PYRENEES. <LDG>. ML 2.2 (LDG).
23	15	00	35.7	46.666	N	15.211	E	10	G			1.0	8	NORTHWESTERN BALKAN REGION. ML 2.6 (VIE).
23	15	43	21.3*	15.894	S	166.888	E	33	N	3.5		1.1	13	VANUATU ISLANDS
23	17	26	34.9?	2.99	S	141.98	E	33	N	3.2		1.5	7	NEAR N COAST OF NEW GUINEA, PNG.
23	17	59	00.6*	5.420	S	144.858	E	33	N	4.0		1.5	15	NEW GUINEA, PAPUA NEW GUINEA. ML 3.9 (PMG).
23	18	26	44.6*	8.389	S	118.191	E	150	G	3.9		0.5	10	SUMBAWA REGION, INDONESIA
23	18	38	23.9*	18.867	N	64.375	W	33	N	3.8		1.0	9	VIRGIN ISLANDS. MD 4.0 (MPR).
23	19	15	12.9&	38.180	N	1.110	W	15					14	SPAIN. <MDD>. mbLg 2.4 (MDD). Felt (III) at Fortuna.
23	19	27	14.3&	19.380	N	64.910	W	25		4.1			20	VIRGIN ISLANDS. <MPR>. MD 4.1 (MPR).
23	19	31	31.1&	19.500	N	64.550	W	65					6	VIRGIN ISLANDS. <MPR>. MD 3.8 (MPR).
23	19	39	06.4?	14.99	S	173.73	W	33	N	3.6		0.9	8	SAMOA ISLANDS REGION
23	20	12	10.0?	6.35	S	153.55	E	33	N	3.4		1.4	8	NEW BRITAIN REGION, P.N.G.
23	20	35	14.0*	36.806	N	9.647	W	10	G			0.7	25	WEST OF GIBRALTAR. mbLg 2.4 (MDD).
23	21	46	07.6?	8.51	S	123.47	E	250	G	4.3		1.1	10	FLORES REGION, INDONESIA
23	23	17	54.4*	0.083	N	123.409	E	156	?	4.6		1.2	23	MINAHASSA PENINSULA, SULAWESI
23	23	18	47.1&	15.788	N	93.927	W	79					8	NEAR COAST OF CHIAPAS, MEXICO. <UNM>. MD 4.1 (UNM).
23	23	32	35.2	5.403	S	147.112	E	222		4.7		0.8	30	EASTERN NEW GUINEA REG., P.N.G.
23	23	32	40.9	51.579	N	16.384	E	5	G			1.0	16	POLAND. ML 3.5 (GRF), 3.4 (VIE), 3.2 (FUR), 3.1 (WAR).
23	23	48	13.8&	38.933	N	29.885	E	5					18	TURKEY. <ISK>. MD 3.4 (ISK).
23	23	56	03.8&	44.105	N	7.906	E	4					5	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
24	00	57	16.1	40.483	N	127.132	W	10	G	4.0		0.9	71	OFF COAST OF NORTHERN CALIFORNIA
24	01	01	18.8	18.863	N	64.315	W	57		4.6		0.9	75	VIRGIN ISLANDS. MD 4.4 (MPR).
24	01	54	15.1	5.002	S	151.008	E	184		4.8		0.8	28	NEW BRITAIN REGION, P.N.G.
24	02	54	26.1*	8.376	S	74.360	W	150	G			1.5	13	PERU-BRAZIL BORDER REGION
24	03	56	44.7&	61.024	N	149.896	W	38					12	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.1 (PMR).
24	04	03	50.8&	61.513	N	149.842	W	58		4.4			92	SOUTHERN ALASKA. <AEIC>. ML 4.3 (AEIC), 4.4 (PMR). Felt (IV) at Anchorage, Eagle River, Palmer and Wasilla.
24	04	28	37.4*	0.820	S	136.070	E	33	N	4.3		1.0	15	IRIAN JAYA REGION, INDONESIA
24	04	40	56.0?	5.35	S	151.34	E	33	N	3.9		1.3	10	NEW BRITAIN REGION, P.N.G.
24	06	08	29.9&	32.450	S	71.335	W	46					15	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
24	06	35	14.1*	2.905	S	130.155	E	33	N	4.6		0.9	11	SERAM, INDONESIA
24	06	53	14.9*	44.495	N	148.707	E	79	?			1.3	20	KURIL ISLANDS
24	07	44	31.8*	0.246	S	119.904	E	33	N	3.8		1.1	12	MINAHASSA PENINSULA, SULAWESI
24	07	44	38.0&	46.853	N	121.765	W	2					44	WASHINGTON. <SEA-P>. MD 2.8 (SEA). ML 3.1 (GS).
24	07	50	55.6*	2.476	S	140.376	E	33	N	4.1		0.9	13	NEAR NORTH COAST OF IRIAN JAYA
24	07	54	10.5*	6.844	S	125.449	E	449	?	4.9		1.0	18	BANDA SEA
24	07	54	27.7&	44.521	N	7.210	E	9					8	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
24	07	58	39.0?	19.84	S	178.16	W	500	G	4.4		0.4	13	FIJI ISLANDS REGION
24	08	02	42.8	41.732	N	19.647	E	10	G			1.4	20	ALBANIA. ML 3.2 (ROM).
24	08	03	49.6&	33.562	S	72.993	W	22					10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
24	08	27	12.2	17.719	S	175.222	W	261	D	5.1		0.9	178	TONGA ISLANDS. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:27:18.4; Lat 17.74 S; Lon 174.96 W; Dep 271.0; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.04, Plg=36, Azm=116; (N) Val=-0.10, Plg=24, Azm=7; (P) Val=-1.94, Plg=45, Azm=251; Best double couple: Mo=2.0*10**17 Nm; NP1: Strike=264, Dip=24, Slip=-12; NP2: Strike=5, Dip=85, Slip=-114.
24	08	38	56.2&	37.631	N	118.871	W	5					10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
24	09	04	19.4&	36.410	N	3.410	W	0	G				12	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
24	09	51	23.1&	31.853	S	70.196	W	138					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
24	10	06	11.4&	39.569	N	29.629	E	8					4	TURKEY. <ISK>. MD 2.5 (ISK).
24	10	19	27.3?	26.50	S	71.08	E	10	G	3.8		0.6	7	MID-INDIAN RIDGE
24	11	30	53.2*	14.877	S	71.783	W	140	D	4.7		1.1	20	CENTRAL PERU
24	11	36	08.0	18.617	S	173.694	W	33	N	4.5		0.9	26	TONGA ISLANDS
24	11	39	24.1*	7.375	S	128.967	E	33	N	4.6		1.3	6	BANDA SEA
24	11	41	17.2&	34.105	S	71.542	W	41					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
24	12	25	53.5&	37.090	N	3.440	W	0	G				15	SPAIN. <MDD>. mbLg 2.8 (MDD).
24	12	48	09.1&	45.700	N	5.000	E	2					9	FRANCE. <LDG>. ML 1.8 (LDG).
24	13	00	01.7&	37.090	N	3.340	W	17					14	SPAIN. <MDD>. mbLg 2.0 (MDD).
24	13	10	43.0?	23.41	S	177.20	W	33	N	4.5		1.0	13	SOUTH OF FIJI ISLANDS
24	13	19	53.2	30.405	N	88.155	E	46	?	4.1		1.1	19	XIZANG
24	14	06	33.3&	39.924	N	30.067	E	7					7	TURKEY. <ISK>. MD 2.8 (ISK).
24	14	53	59.1&	18.620	N	66.730	W	19					8	PUERTO RICO REGION. <MPR>. MD 3.4 (MPR).
24	15	08	11.5&	33.132	S	70.254	W	4					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
24	17	02	58.3&	59.611	N	153.184	W	101					26	SOUTHERN ALASKA. <AEIC>.
24	17	12	03.2	8.944	N	126.343	E	75	*	4.1		1.0	24	MINDANAO, PHILIPPINE ISLANDS
24	19	16	32.0*	51.572	N	16.141	E	5	G			0.8	10	POLAND. ML 3.2 (VIE), 2.9 (WAR).
24	19	31	03.1*	51.111	N	15.788	E	5	G			0.8	6	POLAND. ML 3.0 (VIE), 2.8 (WAR).
24	19	44	54.5&	60.032	N	153.119	W	125					28	SOUTHERN ALASKA. <AEIC>.
24	20	06	00.5&	38.859	N	27.767	E	8					5	TURKEY. <ISK>. MD 2.7 (ISK).
24	21	27	41.1*	28.697	N	52.351	E	33	N			1.1	13	SOUTHERN IRAN
24	21	54	24.1*	15.350	S	71.874	W	150	G			1.3	6	SOUTHERN PERU
24	22	03	09.5	4.518	S	125.626	E	440	*	4.5		1.0	42	BANDA SEA
24	22	37	52.8&	53.856	N	165.385	W	63					7	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.3 (AEIC).
24	22	44	04.0	43.901	N	147.838	E	46	*	4.5		1.0	31	KURIL ISLANDS
25	00	11	59.4&	39.634	N	28.535	E	5					23	TURKEY. <ISK>. MD 3.6 (ISK).
25	00	23	22.4	19.320	S	177.666	W	580	D	4.6		0.9	92	FIJI ISLANDS REGION
25	01	30	06.9&	34.448	S	70.405	W	7					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
25	01	34	13.7*	51.234	N	15.926	E	5	G			1.0	5	POLAND. ML 2.8 (VIE), 2.5 (WAR).
25	01	58	52.1&	17.958	N	100.972	W	86					8	GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
25	03	39	30.5?	5.03	S	152.25	E	100	G	4.0		1.5	10	NEW BRITAIN REGION, P.N.G.
25	03	45	39.7	4.595	S	153.301	E	75		4.7		1.1	31	NEW IRELAND REGION, P.N.G.
25	03	54	39.8	17.974	S	69.592	W	33	N	5.0	4.6	1.1	85	PERU-BOLIVIA BORDER REGION. Mw 5.3 (HRV). Felt at Charana, Bolivia. Centroid, Moment Tensor (HRV): Centroid origin time 03:54:40.9; Lat 17.97 S Fix; Lon 69.59 W Fix; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.71, Plg=21, Azm=115; (N) Val=0.32, Plg=60, Azm=247; (P) Val=-1.03, Plg=20, Azm=16; Best double couple: Mo=8.7*10**16 Nm; NP1: Strike=155, Dip=60, Slip=179; NP2:

Strike=246, Dip=89, Slip=30.

25	04	24	16.4	9.118	S	111.468	E	68	*	4.7	1.2	41	SOUTH OF JAWA, INDONESIA
25	04	29	07.7&	37.097	N	29.104	E	10	G			6	TURKEY. <ISK>. MD 3.3 (ISK).
25	04	47	04.4&	39.661	N	28.509	E	10	G			4	TURKEY. <ISK>. MD 2.7 (ISK).
25	06	53	46.8&	39.663	N	28.547	E	10	G			4	TURKEY. <ISK>. MD 2.7 (ISK).
25	07	27	58.1?	4.03	S	153.34	E	33	N	4.3	1.5	8	NEW IRELAND REGION, P.N.G.
25	07	51	39.2&	35.283	S	71.016	W	108				12	CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
25	08	24	35.4&	31.149	S	71.928	W	5				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
25	08	37	54.8&	18.630	N	66.880	W	24				5	PUERTO RICO REGION. <MPR>. MD 2.9 (MPR).
25	09	00	11.7&	44.101	N	7.373	E	8				6	NORTHERN ITALY. <GUC>. ML 1.7 (GEN).
25	09	16	28.7&	62.858	N	150.812	W	96				24	CENTRAL ALASKA. <AEIC>.
25	10	27	20.7*	25.446	S	70.033	E	10	G		0.9	13	MID-INDIAN RIDGE
25	10	44	59.4&	36.940	N	3.790	W	5				7	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.4 (MDD).
25	10	49	18.8&	38.493	N	122.722	W	6				8	NORTHERN CALIFORNIA. <GM-P>. ML 2.8 (GM). Felt in the Santa Rosa area.
25	10	59	50.9?	25.31	S	70.12	E	10	G	4.7	0.8	7	MID-INDIAN RIDGE
25	11	05	38.5?	9.98	S	75.98	W	100	G		0.7	7	CENTRAL PERU
25	11	22	14.9&	30.987	S	71.869	W	15				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
25	11	40	48.9&	33.966	N	117.176	W	14				23	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
25	11	47	33.0&	32.263	S	70.248	W	110				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
25	13	11	23.1&	39.174	N	27.277	E	10	G			7	TURKEY. <ISK>. MD 2.7 (ISK).
25	13	13	04.8*	30.988	S	71.450	W	33	N		1.0	14	NEAR COAST OF CENTRAL CHILE. MD 4.3 (GUC).
25	13	25	43.7&	39.657	N	28.559	E	7				8	TURKEY. <ISK>. MD 2.9 (ISK).
25	13	34	35.9*	14.707	S	167.388	E	245	?	4.6	0.9	41	VANUATU ISLANDS
25	14	27	41.2	52.277	N	169.409	W	33	N	4.7	1.0	52	FOX ISLANDS, ALEUTIAN ISLANDS
25	15	07	58.1*	6.085	S	147.257	E	107	*	4.1	1.0	12	EASTERN NEW GUINEA REG., P.N.G.
25	15	16	08.0&	17.311	N	95.010	W	221				4	OAXACA, MEXICO. <UNM>. MD 3.7 (UNM).
25	15	50	47.7&	11.078	N	61.841	W	17				4	WINDWARD ISLANDS. <TRN>. MD 2.8 (TRN).
25	16	15	46.7*	3.320	S	129.675	E	33	N	3.6	0.8	9	SERAM, INDONESIA
25	16	43	46.8&	16.452	N	98.400	W	5				6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.7 (UNM).
25	17	01	49.7	19.848	S	133.629	E	10	G	3.2	1.2	8	NORTHERN TERRITORY, AUSTRALIA
25	17	02	54.6*	45.611	N	14.214	E	10	G		0.6	5	NORTHWESTERN BALKAN REGION
25	17	21	18.8?	15.29	N	94.07	W	100	G	4.1	1.4	12	NEAR COAST OF OAXACA, MEXICO. MD 4.3 (UNM).
25	18	14	54.7&	39.684	N	28.558	E	10	G			4	TURKEY. <ISK>. MD 2.5 (ISK).
25	18	25	50.5&	49.700	N	2.600	E	7				26	FRANCE. <LDG>. ML 3.2 (UCC), 3.1 (LDG), 3.0 (STR).
25	18	53	08.1*	12.582	N	88.329	W	76		4.2	0.7	19	OFF COAST OF CENTRAL AMERICA. MD 4.2 (SSS). Felt (III) at San Salvador, El Salvador.
25	19	08	25.2	52.411	N	169.433	W	33	N	4.3	0.8	32	FOX ISLANDS, ALEUTIAN ISLANDS
25	19	15	28.5	51.524	N	16.107	E	5	G		0.7	11	POLAND. ML 3.4 (GRF), 3.2 (VIE), 2.9 (WAR).
25	19	22	21.0	8.978	S	115.605	E	112		4.5	1.1	45	BALI REGION, INDONESIA. Felt (III) at Denpasar.
25	19	27	47.0*	37.133	N	69.932	E	61	?		1.3	12	AFGHANISTAN-TAJIKISTAN BORD REG.
25	19	35	22.4&	36.178	N	28.425	E	10	G			17	DODECANESE ISLANDS. <ISK>. MD 3.3 (ISK).
25	19	53	36.2	52.351	N	169.439	W	33	N	4.7	0.9	44	FOX ISLANDS, ALEUTIAN ISLANDS
25	20	06	05.1	36.438	N	68.585	E	61		5.1	1.0	143	HINDU KUSH REGION, AFGHANISTAN. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:06:04.0; Lat 36.24 N; Lon 68.21 E; Dep 41.4; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.37, Plg=49, Azm=42; (N) Val=0.03, Plg=40, Azm=232; (P) Val=-5.40, Plg=5, Azm=137; Best double couple: Mo=5.4*10**16 Nm; NP1: Strike=192, Dip=53, Slip=36; NP2: Strike=79, Dip=62, Slip=137.
25	20	16	28.2*	32.842	N	140.997	E	33	N		1.2	9	SOUTH OF HONSHU, JAPAN. Felt (II JMA) on Hachijo-jima.
25	20	29	16.0&	15.803	N	98.222	W	18				9	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 3.8 (UNM).
25	20	32	31.4	52.322	N	169.400	W	33	N	4.8	0.8	29	FOX ISLANDS, ALEUTIAN ISLANDS
25	20	33	35.5&	39.904	N	29.185	E	7				11	TURKEY. <ISK>. MD 2.8 (ISK).
25	20	45	25.9*	12.971	N	144.994	E	33	N	3.6	0.8	7	SOUTH OF MARIANA ISLANDS
25	22	21	47.0*	40.690	N	44.439	E	10	G		1.2	7	GEORGIA-ARMENIA-TURKEY BORD REG.
25	23	55	54.0&	17.879	N	101.029	W	44				17	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.3 (UNM).
26	00	11	00.6	31.671	S	72.336	W	60	*	4.6	0.6	23	OFF COAST OF CENTRAL CHILE. MD 4.9 (GUC).
26	00	17	42.4&	31.765	S	72.181	W	28				10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
26	00	29	52.0&	37.000	N	90.880	W	5	G			10	EASTERN MISSOURI. <SLM-P>. mbLg 2.6 (GS).
26	00	52	27.3*	49.194	N	6.899	E	10	G		0.3	5	GERMANY. ML 1.9 (UCC).
26	01	04	45.4*	6.493	S	130.585	E	33	N	4.3	1.0	9	BANDA SEA
26	01	35	10.4&	39.853	N	30.321	E	5				7	TURKEY. <ISK>. MD 2.7 (ISK).
26	01	35	44.0*	27.417	N	111.743	W	10	G		1.1	7	GULF OF CALIFORNIA
26	01	43	10.7*	52.463	N	169.482	W	33	N		1.2	14	FOX ISLANDS, ALEUTIAN ISLANDS
26	02	25	48.7&	33.843	S	71.212	W	60				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
26	02	30	22.4	10.685	S	113.208	E	33	N	4.4	1.2	24	SOUTH OF JAWA, INDONESIA
26	02	33	49.8*	52.529	N	169.524	W	33	N		0.9	10	FOX ISLANDS, ALEUTIAN ISLANDS
26	02	34	57.8	21.224	S	178.905	W	574	D	4.9	1.0	171	FIJI ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:35:05.4; Lat 21.01 S; Lon 179.18 W; Dep 582.8; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.90, Plg=20, Azm=146; (N) Val=0.30, Plg=6, Azm=54; (P) Val=-1.21, Plg=69, Azm=307; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=246, Dip=26, Slip=-76; NP2: Strike=51, Dip=65, Slip=-97.
26	02	35	10.4&	19.063	N	99.166	W	6				10	CENTRAL MEXICO. <UNM>. MD 3.0 (UNM).
26	02	41	55.4&	58.091	N	152.000	W	10				20	KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
26	03	13	31.5&	37.190	N	3.720	W	16				8	SPAIN. <MDD>. mbLg 1.6 (MDD).
26	03	18	37.5&	36.980	N	4.470	W	40				40	STRAIT OF GIBRALTAR. <MDD>.
26	03	31	08.3*	45.920	N	15.660	E	10	G		0.4	5	NORTHWESTERN BALKAN REGION. ML 0.9 (LJU).
26	03	44	44.2	17.282	N	146.185	E	60	D	4.9	1.1	88	MARIANA ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:44:44.2; Lat 17.29 N; Lon 146.43 E; Dep 50.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.31, Plg=26, Azm=177; (N) Val=1.68, Plg=28, Azm=71; (P) Val=-5.99, Plg=49, Azm=302; Best double couple: Mo=5.2*10**16 Nm; NP1: Strike=312, Dip=32, Slip=-25; NP2: Strike=64, Dip=77, Slip=-119.
26	05	24	03.7&	32.829	S	69.013	W	5				9	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.3 (GUC).
26	05	49	05.4*	4.498	S	153.731	E	100	G	4.2	1.0	11	NEW IRELAND REGION, P.N.G.
26	06	43	20.3*	2.366	S	133.744	E	33	N		0.7	8	IRIAN JAYA REGION, INDONESIA

26	07	16	28.6?	6.92	N	72.81	W	158	?	4.4	1.2	9	NORTHERN COLOMBIA
26	07	30	04.2&	31.626	S	72.137	W	28				10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
26	07	41	19.8&	8.033	N	83.330	W	12				4	COSTA RICA. <UPA>. MD 4.2 (UPA).
26	07	50	06.4&	19.063	N	99.193	W	5				11	CENTRAL MEXICO. <UNM>. MD 3.4 (UNM).
26	08	08	45.5	12.901	N	124.662	E	47	*	4.4	1.1	31	SAMAR, PHILIPPINE ISLANDS
26	08	25	21.2&	36.599	S	71.732	W	5				11	CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
26	08	26	46.0*	39.002	S	175.038	E	200	G		0.5	11	NORTH ISLAND, NEW ZEALAND
26	09	08	58.9&	11.211	N	61.891	W	17				4	WINDWARD ISLANDS. <TRN>. MD 2.8 (TRN).
26	09	12	18.6&	18.260	N	68.540	W	186				7	MONA PASSAGE. <MPR>. MD 3.9 (MPR).
26	09	34	46.7*	5.528	N	126.556	E	70	*	4.0	0.8	18	MINDANAO, PHILIPPINE ISLANDS
26	09	57	45.0&	32.050	S	71.701	W	25				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
26	09	58	40.9*	18.398	N	145.604	E	267	?	4.1	1.2	14	MARIANA ISLANDS
26	09	59	24.3&	31.726	S	72.166	W	28				10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
26	10	06	16.8&	31.734	S	72.213	W	23				11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
26	11	14	48.4&	39.671	N	28.554	E	5				11	TURKEY. <ISK>. MD 2.9 (ISK).
26	11	21	22.2*	6.725	S	147.889	E	74	*	4.4	0.9	20	EASTERN NEW GUINEA REG., P.N.G.
26	11	56	25.7*	6.961	S	129.809	E	166	?	4.8	1.2	8	BANDA SEA
26	11	58	38.7&	39.649	N	28.518	E	10	G			5	TURKEY. <ISK>. MD 2.8 (ISK).
26	13	02	48.6?	4.63	S	151.45	E	112	*	3.7	0.7	7	NEW BRITAIN REGION, P.N.G.
26	13	19	21.8&	39.641	N	28.572	E	5				17	TURKEY. <ISK>. MD 3.1 (ISK).
26	13	38	39.4&	34.310	S	70.635	W	116				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
26	13	40	19.8*	5.681	S	151.781	E	45	D	4.0	1.1	11	NEW BRITAIN REGION, P.N.G.
26	13	53	56.6&	33.388	S	71.924	W	32				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
26	13	56	20.2	4.185	S	142.115	E	124	D	5.4	1.1	96	NEW GUINEA, PAPUA NEW GUINEA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:56:24.8; Lat 4.12 S; Lon 142.07 E; Dep 111.5; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.49, Plg=70, Azm=254; (N) Val=0.26, Plg=19, Azm=88; (P) Val=-1.75, Plg=4, Azm=357; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=67, Dip=44, Slip=61; NP2: Strike=284, Dip=52, Slip=115.
26	14	05	49.3*	50.908	N	16.039	E	5	G		1.2	5	POLAND. ML 2.6 (WAR).
26	14	42	54.0&	36.982	N	29.045	E	33	N			6	TURKEY. <ISK>. MD 3.5 (ISK).
26	14	52	01.0*	11.315	S	118.268	E	33	N	4.1	1.4	7	SOUTH OF SUMBAWA, INDONESIA
26	15	20	16.3*	41.878	N	79.449	E	33	N	4.1	0.3	7	KYRGYZSTAN-XINJIANG BORDER REG.
26	15	45	21.4&	8.084	N	82.772	W	11				5	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 4.1 (UPA).
26	16	08	45.6*	4.369	S	153.484	E	118	*	4.2	1.0	11	NEW IRELAND REGION, P.N.G.
26	16	46	21.2*	37.408	S	94.056	W	10	G	4.5 4.4	1.1	14	WEST CHILE RISE
26	17	18	39.6&	62.174	N	148.460	W	35				32	CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC), 3.8 (PMR).
26	17	48	43.3*	7.192	S	119.841	E	600	G		0.7	6	FLORES SEA
26	18	13	41.0?	45.28	N	150.17	E	100	G		1.0	7	KURIL ISLANDS
26	18	29	51.1	36.275	N	71.139	E	114	D	4.8	1.1	72	AFGHANISTAN-TAJIKISTAN BORD REG.
26	18	55	07.2	39.674	N	120.771	W	5	G		0.6	8	NORTHERN CALIFORNIA. ML 3.0 (BRK), 2.8 (GS).
26	18	59	00.3	52.805	N	175.956	W	208		4.5	1.0	57	ANDREANOF ISLANDS, ALEUTIAN IS.
26	18	59	56.6*	57.549	N	156.867	W	33	N		1.5	7	ALASKA PENINSULA
26	19	15	20.2*	18.601	N	120.839	E	10	G		1.0	6	LUZON, PHILIPPINE ISLANDS
26	19	18	33.7?	2.82	S	134.65	E	33	N	3.8	1.3	7	IRIAN JAYA REGION, INDONESIA
26	19	23	17.6	31.590	S	72.187	W	33	N		1.3	25	OFF COAST OF CENTRAL CHILE. MD 4.6 (GUC).
26	20	01	44.0	27.213	N	101.057	E	47	*	4.7 4.3	1.1	58	SICHUAN, CHINA. Twenty-eight people injured and more than 700 buildings damaged in Yunnan Province.
26	21	55	50.4	6.742	N	73.068	W	169	D	4.6	1.1	79	NORTHERN COLOMBIA. Felt at Bucaramanga and in the Bogota area.
26	23	19	00.7*	9.132	N	93.813	E	100	G	4.3	1.0	15	NICOBAR ISLANDS, INDIA
27	00	25	35.2*	36.423	N	70.772	E	214	*		0.8	10	HINDU KUSH REGION, AFGHANISTAN
27	00	25	52.2*	7.206	S	127.545	E	243	*	4.5	1.0	16	BANDA SEA
27	01	08	40.6&	34.323	N	116.844	W	6		4.3		71	SOUTHERN CALIFORNIA. <PAS-P>. Mw 4.5 (BRK). ML 4.9 (PAS). Felt (V) at Big Bear City, Palmdale and Victorville. Felt in Los Angeles, Orange, Riverside and San Bernardino Counties. Felt as far north as Ridgecrest and south to San Diego. Moment Tensor (BRK): Dep 8; Principal axes (scale 10**15 Nm): (T) Val=5.37, Plg=8, Azm=272; (N) Val=0.00, Plg=70, Azm=159; (P) Val=-5.37, Plg=18, Azm=5; Best double couple: Mo=5.4*10**15 Nm; NP1: Strike=140, Dip=83, Slip=-161; NP2: Strike=48, Dip=71, Slip=-7.
27	01	38	52.8	3.552	S	123.164	E	33	N	5.5 5.0	1.0	147	SULAWESI, INDONESIA. Mw 5.7 (GS), 5.6 (HRV). Felt (III) at Kendari and (II) at Palu. Moment Tensor (GS): Dep 34; Principal axes (scale 10**17 Nm): (T) Val=3.78, Plg=18, Azm=339; (N) Val=-0.38, Plg=8, Azm=72; (P) Val=-3.40, Plg=70, Azm=185; Best double couple: Mo=3.6*10**17 Nm; NP1: Strike=56, Dip=28, Slip=-108; NP2: Strike=256, Dip=64, Slip=-81. Centroid, Moment Tensor (HRV): Centroid origin time 01:39:00.5; Lat 3.18 S; Lon 123.63 E; Dep 54.0; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.61, Plg=7, Azm=321; (N) Val=-0.87, Plg=10, Azm=230; (P) Val=-2.74, Plg=78, Azm=87; Best double couple: Mo=3.2*10**17 Nm; NP1: Strike=62, Dip=39, Slip=-74; NP2: Strike=222, Dip=53, Slip=-102.
27	01	42	32.4&	34.319	N	116.845	W	5				28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
27	02	16	56.4	40.629	N	32.815	E	10	G		1.2	8	TURKEY
27	02	59	04.1&	31.772	S	72.194	W	27				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
27	03	25	20.4&	44.118	N	7.130	E	9				26	NORTHERN ITALY. <GEN>. ML 2.4 (GEN), 2.2 (LDG).
27	03	40	15.0*	25.986	S	69.155	E	10	G	4.4	1.4	9	SOUTH INDIAN OCEAN
27	04	18	59.5&	39.656	N	28.516	E	5				7	TURKEY. <ISK>. MD 2.8 (ISK).
27	04	20	33.0?	19.44	N	144.84	E	428	?	4.1	0.7	10	MARIANA ISLANDS
27	04	37	48.5*	4.071	N	94.699	E	33	N		0.8	8	OFF W COAST OF NORTHERN SUMATERA
27	05	00	10.4&	44.116	N	7.120	E	8				22	NORTHERN ITALY. <GEN>. ML 2.1 (GEN), 2.0 (LDG).
27	05	43	16.0*	2.646	S	120.471	E	33	N	4.0	1.5	9	SULAWESI, INDONESIA
27	05	45	58.7&	34.731	S	70.894	W	95				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
27	05	57	02.9&	32.221	S	71.781	W	21				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
27	06	07	34.3&	44.720	N	7.213	E	14				11	NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
27	06	26	34.2&	38.850	N	0.250	E	15				5	SPAIN. <MDD>. mbLg 2.5 (MDD).

27	06	35	49.0&	37.620	N	1.740	W	4				22	SPAIN. <MDD>. mbLg 3.0 (MDD). Felt (III) at Lorca.
27	06	55	02.4	14.939	S	166.610	E	33	N	4.8	4.8	94	VANUATU ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:55:12.5; Lat 14.98 S; Lon 165.97 E; Dep 44.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.41, Plg=80, Azm=348; (N) Val=0.46, Plg=7, Azm=125; (P) Val=-4.87, Plg=7, Azm=216; Best double couple: Mo=4.6*10**16 Nm; NP1: Strike=315, Dip=39, Slip=102; NP2: Strike=120, Dip=52, Slip=81.
27	07	01	04.0&	34.793	S	70.268	W	14				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.9 (GUC).
27	07	04	28.3&	65.809	N	149.952	W	1				14	NORTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.5 (PMR).
27	07	14	14.7&	60.045	N	152.048	W	65				31	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
27	07	16	06.9&	34.324	N	116.851	W	5				36	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). Felt in the Big Bear City-San Bernardino area.
27	09	18	48.8*	40.952	S	175.573	E	33	N		1.4	11	NORTH ISLAND, NEW ZEALAND. ML 3.8 (WEL). Felt near Masterton.
27	09	52	41.2	7.711	S	117.636	E	134	?		0.9	9	BALI SEA
27	10	22	50.6&	34.325	N	116.856	W	5				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
27	10	56	53.2&	30.939	S	72.082	W	19				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
27	11	21	32.4*	31.619	S	69.605	W	100	G		0.9	14	SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (GUC).
27	11	28	40.1&	31.708	S	70.456	W	130				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
27	11	33	37.3	33.489	N	141.398	E	33	N	5.3	5.8	97	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.7 (GS), 5.6 (HRV). Moment Tensor (GS): Dep 5; Principal axes (scale 10**17 Nm): (T) Val=3.69, Plg=45, Azm=250; (N) Val=0.31, Plg=34, Azm=22; (P) Val=-4.00, Plg=26, Azm=131; Best double couple: Mo=3.8*10**17 Nm; NP1: Strike=270, Dip=36, Slip=161; NP2: Strike=15, Dip=79, Slip=55. Centroid, Moment Tensor (HRV): Centroid origin time 11:33:36.7; Lat 33.28 N; Lon 142.11 E; Dep 15.0 Bdy; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.54, Plg=83, Azm=222; (N) Val=0.42, Plg=6, Azm=4; (P) Val=-2.96, Plg=4, Azm=95; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=191, Dip=41, Slip=99; NP2: Strike=359, Dip=50, Slip=82.
27	12	04	24.9	6.708	S	128.489	E	258		5.0	1.2	44	BANDA SEA
27	12	52	24.0&	43.100	N	1.200	W	5				9	PYRENEES. <LDG>. ML 3.3 (STR), 2.7 (LDG).
27	13	25	24.7&	44.100	N	7.100	E	7				34	NORTHERN ITALY. <LDG>. ML 2.5 (LDG), 2.4 (GEN), 2.3 (STR).
27	13	48	26.4&	31.020	S	68.396	W	248				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.2 (GUC).
27	14	35	21.7*	7.405	S	126.723	E	347	?	4.1	0.9	10	BANDA SEA
27	15	40	17.0&	34.320	N	116.850	W	4				45	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.1 (PAS). Felt in the Big Bear City area.
27	15	55	05.8*	0.894	S	135.975	E	33	N	4.2	1.1	11	IRIAN JAYA REGION, INDONESIA
27	16	47	47.3	56.080	S	26.712	W	33	N	4.9	4.3	35	SOUTH SANDWICH ISLANDS REGION
27	16	58	36.2	49.139	N	155.501	E	56	D	4.3	1.0	20	KURIL ISLANDS
27	17	20	03.3&	7.237	N	81.142	W	33	N			5	PANAMA. <UPA>. MD 3.3 (UPA).
27	18	24	19.6	31.356	N	137.999	E	414	*	4.0	1.2	37	SOUTH OF HONSHU, JAPAN
27	18	34	13.1&	44.405	N	7.260	E	13				44	NORTHERN ITALY. <GEN>. ML 2.6 (GEN), 2.6 (STR), 2.4 (LDG).
27	18	37	55.5	53.126	N	160.316	E	55		4.4	0.9	22	NEAR EAST COAST OF KAMCHATKA
27	18	54	35.3*	5.347	N	126.430	E	73	*	4.2	1.0	15	MINDANAO, PHILIPPINE ISLANDS
27	20	03	35.1	29.851	S	67.098	W	54	*	4.3	1.1	13	LA RIOJA PROVINCE, ARGENTINA
27	20	05	59.9&	36.530	N	3.320	W	0	G			10	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.6 (MDD).
27	20	12	32.8*	38.587	N	20.502	E	33	N		1.1	8	GREECE
27	20	14	44.0&	44.514	N	7.214	E	11				19	NORTHERN ITALY. <GEN>. ML 2.1 (GEN), 1.8 (LDG).
27	20	16	48.1	35.702	N	5.996	E	10	G	4.7	0.9	71	NORTHERN ALGERIA
27	21	16	21.0	2.921	N	128.623	E	61		5.9	0.9	186	HALMAHERA, INDONESIA. Mw 5.9 (GS), 5.9 (HRV). Me 5.8 (GS). Felt (III) on Ternate. Broadband Source Parameters (GS): Radiated energy 1.2*10**13 Nm. Moment Tensor (GS): Dep 40; Principal axes (scale 10**17 Nm): (T) Val=7.26, Plg=68, Azm=134; (N) Val=0.05, Plg=1, Azm=41; (P) Val=-7.32, Plg=22, Azm=310; Best double couple: Mo=7.3*10**17 Nm; NP1: Strike=38, Dip=23, Slip=87; NP2: Strike=221, Dip=67, Slip=91. Centroid, Moment Tensor (HRV): Centroid origin time 21:16:24.8; Lat 3.22 N; Lon 128.51 E; Dep 58.8; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=6.61, Plg=72, Azm=126; (N) Val=0.26, Plg=2, Azm=30; (P) Val=-6.87, Plg=18, Azm=300; Best double couple: Mo=6.7*10**17 Nm; NP1: Strike=26, Dip=27, Slip=86; NP2: Strike=211, Dip=63, Slip=92.
27	22	32	42.6*	17.320	S	177.818	W	500	G	4.1	0.4	15	FIJI ISLANDS REGION
27	22	54	42.2&	18.390	N	68.020	W	118				5	MONA PASSAGE. <MPR>. MD 3.3 (MPR).
27	23	23	06.2&	42.870	N	1.970	W	16		4.6		164	PYRENEES. <MDD>. ML 4.8 (LDG). mbLg 4.0 (MDD). Felt (V) at Lezaun; (IV) at Abarzuza, Alsasua, Beasain, Donostia-San Sebastian, Echarri, Estella, Hernani, Irun, Pamplona, Puente la Reina, Zudaire and Zumarraga. Also felt (IV) in southwestern France.
27	23	27	42.0&	42.810	N	2.090	W	3				19	SPAIN. <MDD>. ML 3.1 (LDG). mbLg 2.8 (MDD).
27	23	27	43.2&	63.144	N	150.863	W	131				32	CENTRAL ALASKA. <AEIC>.
28	00	35	25.5*	14.439	S	167.327	E	33	N	4.3	0.9	21	VANUATU ISLANDS
28	00	41	43.8&	38.914	N	28.288	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
28	01	32	13.9*	25.226	S	177.219	W	128	D	4.4	0.9	18	SOUTH OF FIJI ISLANDS
28	02	29	30.8*	16.951	S	174.237	W	33	N	4.7	0.7	17	TONGA ISLANDS
28	03	11	54.4&	45.702	N	112.132	W	5		4.3		104	MONTANA. <BUT-P>. MD 4.1 (BUT). ML 4.0 (GS). Small items knocked from shelves and minor cracks in some house foundations and walls at Waterloo. Felt throughout a large area of southwestern Montana including Anaconda, Butte, Corvallis, Deer Lodge, Helena, Missoula, Silver Star, Townsend and Whitehall.
28	04	20	59.4	51.624	N	16.287	E	5	G		0.8	22	POLAND. ML 3.8 (GRF), 3.5 (VIE), 3.3 (WAR).
28	05	10	16.7&	39.541	N	77.474	E	33	N		0.5	8	SOUTHERN XINJIANG, CHINA
28	05	13	10.1&	31.429	S	69.072	W	183				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.7 (GUC).
28	05	53	36.6&	39.693	N	28.573	E	10	G			7	TURKEY. <ISK>. MD 2.8 (ISK).
28	05	55	32.9&	39.731	N	28.557	E	10	G			7	TURKEY. <ISK>. MD 2.8 (ISK).

28	05	56	48.1&	39.693	N	28.567	E	10	G			5	TURKEY. <ISK>. MD 2.6 (ISK).
28	05	56	55.1&	45.400	N	6.000	E	2				4	FRANCE. <LDG>. ML 1.7 (LDG).
28	06	53	21.3	0.891	N	126.793	E	62	D	4.9	1.1	63	NORTHERN MOLUCCA SEA. Mw 5.2 (HRV). Felt (IV) on Ternate, Indonesia. Centroid, Moment Tensor (HRV): Centroid origin time 06:53:19.4; Lat 0.78 N; Lon 126.75 E; Dep 52.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.81, Plg=7, Azm=7; (N) Val=0.70, Plg=58, Azm=265; (P) Val=-8.51, Plg=31, Azm=102; Best double couple: Mo=8.2*10**16 Nm; NP1: Strike=140, Dip=63, Slip=-18; NP2: Strike=238, Dip=74, Slip=-151.
28	07	33	24.4?	17.60	S	177.73	W	33	N	4.4	1.6	13	FIJI ISLANDS REGION
28	08	29	13.8*	5.444	S	147.009	E	228		4.3	1.0	16	EASTERN NEW GUINEA REG., P.N.G.
28	08	31	29.3	28.761	N	103.796	E	33	N	4.3	1.3	21	SICHUAN, CHINA. ML 4.0 (BJI).
28	08	56	37.2&	31.749	S	69.808	W	153				9	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.3 (GUC).
28	09	38	17.9*	0.821	S	136.243	E	33	N	3.4	0.7	9	IRIAN JAYA REGION, INDONESIA
28	10	40	28.6	30.149	N	139.199	E	406	*	4.1	0.9	26	SOUTH OF HONSHU, JAPAN
28	10	51	33.7&	44.300	N	7.600	E	2				7	NORTHERN ITALY. <LDG>. ML 2.5 (LDG).
28	10	59	57.9&	35.760	N	0.310	W	15				14	NORTHERN ALGERIA. <MDD>. mbLg 2.9 (MDD).
28	11	18	07.0&	40.159	N	28.149	E	10	G			5	TURKEY. <ISK>. MD 2.7 (ISK).
28	11	26	54.2*	0.874	S	136.140	E	33	N	4.6	1.0	13	IRIAN JAYA REGION, INDONESIA
28	11	46	26.6*	0.799	S	136.051	E	33	N	4.1	0.8	10	IRIAN JAYA REGION, INDONESIA
28	12	33	22.5&	34.300	N	3.020	W	0				11	MOROCCO. <MDD>. mbLg 3.0 (MDD).
28	12	41	53.0&	33.418	S	70.145	W	8				5	CHILE-ARGENTINA BORDER REGION. <GUC>.
28	13	03	10.2&	18.720	N	66.150	W	30				4	PUERTO RICO REGION. <MPR>. MD 2.9 (MPR).
28	13	17	12.6&	7.288	N	80.115	W	1				7	PANAMA. <UPA>. MD 3.9 (UPA).
28	13	33	22.7	23.673	N	44.959	W	10	G	4.9 4.2	0.8	45	NORTHERN MID-ATLANTIC RIDGE. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:33:23.3; Lat 23.44 N; Lon 45.03 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.75, Plg=0, Azm=236; (N) Val=-1.31, Plg=90, Azm=180; (P) Val=-4.44, Plg=0, Azm=146; Best double couple: Mo=5.1*10**16 Nm; NP1: Strike=281, Dip=90, Slip=-180; NP2: Strike=11, Dip=90, Slip=0.
28	14	29	21.5&	32.981	S	71.378	W	67				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.2 (GUC).
28	15	30	25.9*	6.778	S	130.501	E	33	N	4.6	1.2	10	BANDA SEA
28	16	20	41.8&	15.115	N	56.116	E	10	G		1.4	14	ARABIAN SEA
28	16	25	03.8	0.839	N	125.966	E	33	N	6.2 6.2	1.1	326	NORTHERN MOLUCCA SEA. Mw 6.6 (GS), 6.5 (HRV). Me 7.1 (GS). Felt at Bitung, Manado and on Ternate, Indonesia. Broadband Source Parameters (GS): Radiated energy 1.1*10**15 Nm. Moment Tensor (GS): Dep 40; Principal axes (scale 10**18 Nm): (T) Val=7.55, Plg=7, Azm=11; (N) Val=0.00, Plg=75, Azm=128; (P) Val=-7.55, Plg=14, Azm=279; Best double couple: Mo=7.5*10**18 Nm; NP1: Strike=55, Dip=75, Slip=-176; NP2: Strike=324, Dip=86, Slip=-15. Centroid, Moment Tensor (HRV): Centroid origin time 16:25:10.9; Lat 1.00 N; Lon 125.98 E; Dep 15.0 Bdy; Half-duration 4.7 sec; Principal axes (scale 10**18 Nm): (T) Val=6.54, Plg=14, Azm=13; (N) Val=0.42, Plg=76, Azm=173; (P) Val=-6.96, Plg=5, Azm=282; Best double couple: Mo=6.8*10**18 Nm; NP1: Strike=57, Dip=77, Slip=174; NP2: Strike=148, Dip=84, Slip=13. Scalar Moment (PPT): Mo=1.3*10**19 Nm.
28	16	33	28.8*	0.640	N	125.830	E	33	N		1.3	10	NORTHERN MOLUCCA SEA
28	16	44	28.9*	0.810	N	126.149	E	33	N	4.4	1.0	12	NORTHERN MOLUCCA SEA
28	17	06	25.1	0.784	N	126.096	E	33	N	4.3	1.1	23	NORTHERN MOLUCCA SEA
28	17	17	43.2*	0.571	N	126.201	E	33	N	3.8	0.9	9	NORTHERN MOLUCCA SEA
28	17	26	25.9	0.809	N	126.140	E	33	N	4.7	1.4	31	NORTHERN MOLUCCA SEA
28	17	28	50.7	0.815	N	126.011	E	33	N	4.7	1.4	26	NORTHERN MOLUCCA SEA
28	17	43	59.1*	47.096	N	152.752	E	100	G		0.9	12	KURIL ISLANDS
28	19	28	46.4&	62.792	N	149.428	W	76				57	CENTRAL ALASKA. <AEIC>.
28	19	54	59.9&	45.100	N	6.600	E	2				17	FRANCE. <LDG>. ML 2.0 (LDG).
28	19	57	34.1*	1.823	N	127.486	E	33	N	4.3	1.2	12	HALMAHERA, INDONESIA
28	20	02	18.0?	33.72	S	178.77	W	33	N	4.4	1.4	13	SOUTH OF KERMADEC ISLANDS
28	20	36	32.3&	31.689	S	70.166	W	144				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
28	20	56	34.6&	33.119	S	70.248	W	5				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
28	20	57	45.0*	30.318	S	177.689	W	33	N	4.3	1.0	15	KERMADEC ISLANDS, NEW ZEALAND
28	21	00	54.9?	29.48	S	72.21	W	33	N		0.6	13	OFF COAST OF CENTRAL CHILE
28	21	14	21.3&	39.637	N	28.528	E	5				5	TURKEY. <ISK>. MD 2.8 (ISK).
28	21	16	53.9&	39.609	N	28.515	E	12				4	TURKEY. <ISK>. MD 2.6 (ISK).
28	21	39	28.2&	15.744	N	94.895	W	33				13	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.6 (UNM).
28	21	39	52.9	11.985	N	143.528	E	33	N	5.5 4.8	1.1	139	SOUTH OF MARIANA ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:39:54.9; Lat 11.76 N; Lon 143.72 E; Dep 15.3 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.31, Plg=58, Azm=40; (N) Val=0.21, Plg=21, Azm=272; (P) Val=-1.52, Plg=23, Azm=173; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=228, Dip=29, Slip=43; NP2: Strike=99, Dip=71, Slip=112.
28	22	16	38.5	43.351	N	20.791	E	10	G		0.8	31	NORTHWESTERN BALKAN REGION. ML 3.4 (ROM).
28	22	26	43.2	43.237	N	20.856	E	10	G	4.0	0.9	65	NORTHWESTERN BALKAN REGION. ML 3.7 (ROM).
28	23	07	17.0&	44.133	N	7.135	E	5				6	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
28	23	40	00.9	21.623	N	104.681	W	10	G	4.4 4.4	1.2	50	CENTRAL MEXICO
29	00	06	13.5&	34.316	N	116.844	W	6				30	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
29	00	36	04.8*	28.106	S	178.693	W	318	D	4.0	1.0	18	KERMADEC ISLANDS REGION
29	01	44	31.6?	43.38	N	21.15	E	10	G		1.2	7	NORTHWESTERN BALKAN REGION
29	02	29	40.4*	11.550	N	144.845	E	46	D		0.9	7	SOUTH OF MARIANA ISLANDS
29	02	29	45.4*	21.743	N	104.628	W	10	G	3.9	1.0	11	CENTRAL MEXICO
29	02	57	07.4&	38.730	N	35.707	E	10	G	4.0		25	TURKEY. <ISK>. MD 3.9 (ISK).
29	03	02	13.1&	40.736	N	29.901	E	8				6	TURKEY. <ISK>. MD 2.7 (ISK).
29	04	22	21.4&	18.200	N	65.940	W	14				6	PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
29	04	40	45.9	8.646	S	118.381	E	141	*	4.7	1.3	30	SUMBAWA REGION, INDONESIA

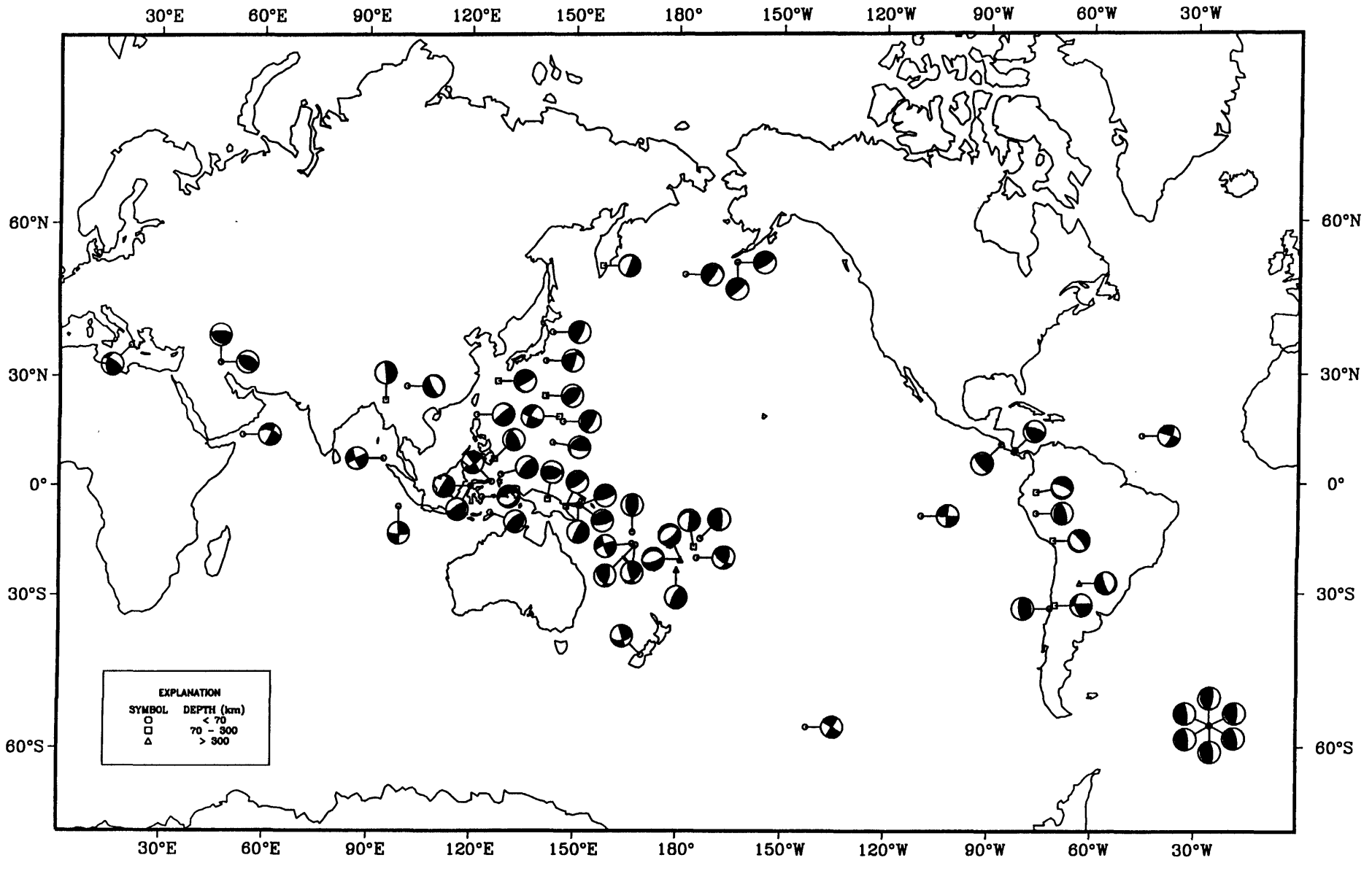
29	05	02	14.1&	33.113	S	70.654	W	88				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
29	05	02	22.3&	52.132	N	115.290	W	0	G			17	ALBERTA, CANADA. <PGC-P>. mbLg 3.5 (PGC).
29	05	59	19.6	8.709	S	74.366	W	144	D	4.3	0.7	26	PERU-BRAZIL BORDER REGION
29	06	08	59.5&	39.590	N	0.750	W	15				10	SPAIN. <MDD>. mbLg 2.4 (MDD).
29	06	30	25.9?	0.87	S	129.59	E	33	N	3.7	0.7	6	HALMAHERA, INDONESIA
29	06	30	49.9*	6.051	S	147.111	E	102		4.7	0.8	18	EASTERN NEW GUINEA REG., P.N.G.
29	06	50	26.8&	53.517	N	163.546	W	0				28	UNIMAK ISLAND REGION. <AEIC>. ML 3.7 (AEIC).
29	06	59	22.9*	52.400	S	140.229	E	10	G	4.2	1.2	21	WEST OF MACQUARIE ISLAND
29	07	19	51.3&	34.553	S	72.397	W	27				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
29	07	57	04.4*	1.191	N	99.348	E	85	D	4.5	1.3	15	NORTHERN SUMATERA, INDONESIA
29	08	16	02.7&	18.900	N	63.800	W	96				4	LEEWARD ISLANDS. <MPR>. MD 3.8 (MPR).
29	08	16	08.8&	16.211	N	98.467	W	16				6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.0 (UNM).
29	08	17	07.8&	53.830	N	163.863	W	39				19	UNIMAK ISLAND REGION. <AEIC>. ML 3.3 (AEIC).
29	08	18	00.4&	15.855	N	93.466	W	162				5	NEAR COAST OF CHIAPAS, MEXICO. <UNM>. MD 4.2 (UNM).
29	08	56	24.1	0.769	N	126.105	E	33	N	4.5	1.0	14	NORTHERN MOLUCCA SEA
29	09	07	16.3	23.642	S	179.810	E	550	G	4.4	1.0	37	SOUTH OF FIJI ISLANDS
29	12	18	54.1&	60.159	N	141.116	W	13				44	SOUTHEASTERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.1 (PGC).
29	12	34	49.5	82.068	N	4.802	W	10	G	4.6	0.9	35	NORTH OF SVALBARD
29	13	09	20.4*	34.400	N	23.908	E	33	N		1.2	10	CRETE
29	13	41	30.8	16.715	N	123.108	E	33	N	4.0	1.0	13	PHILIPPINE ISLANDS REGION
29	14	06	16.6*	10.689	N	62.948	W	10	G	4.1	1.5	24	NEAR COAST OF VENEZUELA. MD 4.2 (TRN).
29	14	19	03.1&	38.994	N	29.590	E	5				4	TURKEY. <ISK>. MD 2.9 (ISK).
29	16	08	38.7	0.714	N	125.883	E	61		5.1	1.3	83	NORTHERN MOLUCCA SEA. Mw 5.3 (HRV). Felt (II) at Bitung and Manado, Indonesia. Centroid, Moment Tensor (HRV): Centroid origin time 16:08:42.2; Lat 0.94 N; Lon 125.90 E; Dep 56.5; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.03, Plg=5, Azm=2; (N) Val=-0.20, Plg=65, Azm=102; (P) Val=-0.83, Plg=25, Azm=269; Best double couple: Mo=9.0*10**16 Nm; NP1: Strike=48, Dip=69, Slip=-165; NP2: Strike=313, Dip=76, Slip=-21.
29	16	30	26.7&	35.952	S	71.710	W	132				14	CENTRAL CHILE. <GUC>. MD 4.1 (GUC). Felt (III) at San Javier; (II) at Curico, Licanten, Linares and Talca.
29	17	15	30.4?	31.36	S	67.34	W	150	G		1.3	14	SAN JUAN PROVINCE, ARGENTINA. MD 3.4 (GUC).
29	17	35	46.9?	39.15	S	173.27	E	10	G		0.3	6	OFF W. COAST OF N. ISLAND, N.Z. ML 3.8 (WEL).
29	17	36	29.9?	0.68	N	125.08	E	33	N	4.2	1.0	6	NORTHERN MOLUCCA SEA
29	17	38	28.2?	2.53	N	126.49	E	33	N	4.2	1.5	8	NORTHERN MOLUCCA SEA
29	18	08	58.6&	43.604	N	7.928	E	8				10	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.2 (GEN).
29	18	40	21.2&	32.429	S	71.337	W	41				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
29	18	44	33.8?	0.85	N	125.94	E	33	N	4.0	1.1	7	NORTHERN MOLUCCA SEA
29	18	46	40.5&	38.995	N	29.613	E	11				7	TURKEY. <ISK>. MD 3.1 (ISK).
29	19	31	48.7&	39.680	N	28.534	E	10	G			4	TURKEY. <ISK>. MD 2.8 (ISK).
29	19	40	24.7&	42.600	N	1.400	E	2				7	PYRENEES. <LDG>. ML 2.4 (STR), 2.1 (LDG).
29	19	55	54.7	32.760	S	70.479	W	86	D	4.9	1.0	92	CHILE-ARGENTINA BORDER REGION. Mw 5.3 (HRV). MD 5.0 (GUC). Felt (V) at Los Andes, Petorca, Quillota, San Felipe, Santiago and Valparaiso; (IV) at Illapel, Rancagua and San Antonio; (III) at Colchagua and Salamanca; (II) at Los Vilos and San Fernando, Chile. Centroid, Moment Tensor (HRV): Centroid origin time 19:55:58.4; Lat 32.56 S; Lon 70.46 W; Dep 109.5; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.05, Plg=39, Azm=135; (N) Val=0.02, Plg=45, Azm=278; (P) Val=-1.07, Plg=19, Azm=29; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=165, Dip=47, Slip=164; NP2: Strike=266, Dip=78, Slip=44.
29	20	26	16.0*	50.033	N	157.621	E	33	N	4.1	1.1	11	KURIL ISLANDS
29	20	30	39.0	32.809	S	70.475	W	87	D	4.4	1.1	51	CHILE-ARGENTINA BORDER REGION. MD 4.6 (GUC). Felt (IV) at Quillota, Santiago and Valparaiso; (III) at Los Andes, San Antonio and San Felipe, Chile.
29	20	40	42.7&	9.153	N	79.529	W	3				5	PANAMA. <UPA>. MD 2.4 (UPA).
29	20	45	22.8	0.718	N	126.122	E	33	N	4.6	1.1	37	NORTHERN MOLUCCA SEA
29	20	49	45.5&	34.319	N	116.851	W	5				31	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
29	20	57	27.6*	31.850	N	48.792	E	33	N	4.6	1.2	32	WESTERN IRAN
29	21	08	50.0	0.704	N	125.944	E	60		5.2	1.0	83	NORTHERN MOLUCCA SEA. Mw 5.2 (HRV). Felt (II) on Ternate, Indonesia. Centroid, Moment Tensor (HRV): Centroid origin time 21:08:53.2; Lat 0.59 N; Lon 125.72 E; Dep 60.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.21, Plg=10, Azm=194; (N) Val=0.96, Plg=66, Azm=80; (P) Val=-8.17, Plg=22, Azm=288; Best double couple: Mo=7.7*10**16 Nm; NP1: Strike=329, Dip=67, Slip=-8; NP2: Strike=62, Dip=82, Slip=-157.
29	21	11	14.8&	63.022	N	150.490	W	102				82	CENTRAL ALASKA. <AEIC>.
29	21	25	27.9	0.756	N	126.042	E	33	N	4.6	1.4	29	NORTHERN MOLUCCA SEA
29	21	37	20.4*	21.694	S	176.500	W	150	G	4.6	0.9	19	FIJI ISLANDS REGION
29	22	12	38.5&	32.540	S	71.613	W	28				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
29	22	21	38.3?	22.10	S	179.52	W	500	G	4.3	1.0	13	SOUTH OF FIJI ISLANDS
29	22	25	36.3	0.771	N	126.075	E	33	N	4.9	1.1	22	NORTHERN MOLUCCA SEA. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:25:30.3; Lat 0.22 N; Lon 125.66 E; Dep 70.2; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.80, Plg=35, Azm=181; (N) Val=0.53, Plg=51, Azm=31; (P) Val=-4.33, Plg=15, Azm=282; Best double couple: Mo=4.1*10**16 Nm; NP1: Strike=327, Dip=54, Slip=16; NP2: Strike=228, Dip=77, Slip=143.
29	22	40	53.0&	58.477	N	154.208	W	82				75	ALASKA PENINSULA. <AEIC>.
30	00	00	50.8&	39.834	N	29.885	E	5				7	TURKEY. <ISK>. MD 2.9 (ISK).
30	00	13	25.9&	32.755	S	71.173	W	60				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
30	01	07	12.7*	17.685	S	178.736	W	550	G	4.6	0.8	18	FIJI ISLANDS REGION
30	01	27	24.6&	32.872	S	70.666	W	87				25	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.4 (GUC). Felt (III) at La Ligua, Los Andes, Quillota, San Antonio, San Felipe and Valparaiso; (II) at Illapel and Los Vilos, Chile.
30	01	32	38.9&	31.788	S	72.206	W	15				10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).

30	02	20	12.7*	37.303	N	69.777	E	33	N	4.2	1.4	6	AFGHANISTAN-TAJIKISTAN BORD REG.
30	02	28	39.9&	59.870	N	152.134	W	66				44	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
30	02	55	20.7&	32.151	S	71.783	W	14				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
30	03	48	23.8&	45.500	N	1.100	E	2				8	FRANCE. <LDG>. ML 2.0 (LDG).
30	05	04	04.2*	31.384	N	137.379	E	470	*	3.4	0.4	10	SOUTH OF HONSHU, JAPAN
30	05	27	50.7&	51.827	N	4.491	W	12				11	UNITED KINGDOM. <BGS>. ML 1.8 (BGS).
30	05	28	46.8*	6.091	S	130.452	E	143	?	4.3	1.5	12	BANDA SEA
30	05	38	08.8*	0.144	S	122.558	E	250	G	4.4	1.0	12	MINAHASSA PENINSULA, SULAWESI
30	06	28	15.3	8.299	S	116.881	E	21		4.2	0.9	24	SUMBAWA REGION, INDONESIA
30	06	35	49.6&	30.016	S	72.388	W	9				11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
30	06	48	27.8?	52.03	N	170.37	W	33	N		1.4	7	FOX ISLANDS, ALEUTIAN ISLANDS
30	07	33	40.1*	22.112	S	11.535	W	10	G	3.9	1.3	8	SOUTHERN MID-ATLANTIC RIDGE
30	07	38	53.6&	62.866	N	151.209	W	113				101	CENTRAL ALASKA. <AEIC>.
30	08	09	25.3&	37.856	N	29.713	E	9				10	TURKEY. <ISK>. MD 3.3 (ISK).
30	08	33	10.1	54.404	S	5.387	E	10	G	5.0 4.2	1.0	27	BOUVET ISLAND REGION. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:33:15.4; Lat 54.66 S; Lon 5.70 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.42, Plg=23, Azm=40; (N) Val=-0.84, Plg=50, Azm=280; (P) Val=-4.58, Plg=31, Azm=144; Best double couple: Mo=5.0*10**16 Nm; NP1: Strike=180, Dip=51, Slip=-7; NP2: Strike=274, Dip=85, Slip=-141.
30	08	35	31.8?	40.53	N	127.09	W	10	G		0.7	10	OFF COAST OF NORTHERN CALIFORNIA
30	08	42	20.1&	43.420	N	5.460	E	1	G			14	NEAR SOUTH COAST OF FRANCE. <STR>. ML 3.6 (STR). Mining induced event in the Gardanne area.
30	09	41	15.1&	43.800	N	7.410	E	2	G			12	NEAR SOUTH COAST OF FRANCE. <STR>. ML 2.2 (LDG), 1.8 (STR).
30	09	53	30.0&	39.300	N	119.980	W	10		4.7		125	NEVADA. <REN-P>. Mw 4.8 (BRK). MD 4.8 (REN). ML 5.3 (BRK), 5.3 (GS). Felt strongly in the Carson City-Reno area. Items knocked from shelves at Kings Beach and Truckee, California. Felt in eastern parts of Nevada and Placer Counties, California. Moment Tensor (BRK): Dep 11; Principal axes (scale 10**16 Nm): (T) Val=1.77, Plg=1, Azm=255; (N) Val=0.00, Plg=84, Azm=151; (P) Val=-1.77, Plg=6, Azm=345; Best double couple: Mo=1.8*10**16 Nm; NP1: Strike=120, Dip=87, Slip=-175; NP2: Strike=30, Dip=85, Slip=-3.
30	09	57	11.5	30.826	S	71.522	W	56	*	4.5	1.0	29	NEAR COAST OF CENTRAL CHILE. MD 4.7 (GUC). Felt (IV) at Combarbala, Hurtado, Monte Patria, Ovalle and Punitaqui.
30	12	13	19.9&	19.770	N	66.410	W	82				8	PUERTO RICO REGION. <MPR>. MD 3.7 (MPR).
30	12	17	12.1*	13.944	N	91.390	W	33	N	4.6	0.8	40	NEAR COAST OF GUATEMALA
30	12	42	54.5*	4.455	S	136.820	E	33	N	4.1	1.5	10	IRIAN JAYA REGION, INDONESIA
30	12	53	48.8	0.661	N	125.836	E	33	N	4.6	1.0	23	NORTHERN MOLUCCA SEA
30	13	10	26.8?	15.24	N	144.62	E	33	N	4.1	1.4	9	MARIANA ISLANDS REGION
30	13	51	47.6&	40.439	N	28.939	E	5				9	TURKEY. <ISK>. MD 2.8 (ISK).
30	14	00	48.0*	16.600	N	122.957	E	33	N	3.6	1.2	6	LUZON, PHILIPPINE ISLANDS
30	14	34	50.8	16.197	S	167.941	E	176	D	5.2	1.1	119	VANUATU ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:34:52.5; Lat 16.54 S; Lon 167.98 E; Dep 183.3; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.11, Plg=40, Azm=148; (N) Val=-0.39, Plg=45, Azm=0; (P) Val=-0.73, Plg=17, Azm=253; Best double couple: Mo=9.2*10**16 Nm; NP1: Strike=299, Dip=49, Slip=20; NP2: Strike=195, Dip=75, Slip=137.
30	14	53	12.8%	38.512	S	177.476	E	33	N		0.7	11	NORTH ISLAND, NEW ZEALAND. ML 4.3 (WEL).
30	15	44	55.2*	38.189	N	74.157	E	181	*	4.1	0.9	15	TAJIKISTAN-XINJIANG BORDER REG.
30	15	52	01.4*	31.098	N	130.255	E	170	*		1.3	8	KYUSHU, JAPAN
30	16	03	47.7&	33.527	S	70.276	W	100				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
30	16	08	38.2%	0.809	N	126.039	E	33	N		0.7	8	NORTHERN MOLUCCA SEA
30	16	14	33.5	2.408	N	126.640	E	33	N	4.7	0.8	22	NORTHERN MOLUCCA SEA
30	17	31	26.3*	2.447	N	126.594	E	33	N	4.3	1.1	13	NORTHERN MOLUCCA SEA
30	17	32	13.8&	39.662	N	28.596	E	10	G			15	TURKEY. <ISK>. MD 3.0 (ISK).
30	17	41	22.2&	36.800	N	97.600	W	5	G			11	OKLAHOMA. <TUL-P>. mbLg 3.5 (TUL), 3.4 (GS). Felt in Garfield, Grant and Kay Counties.
30	18	45	21.1&	38.833	N	28.350	E	9				5	TURKEY. <ISK>. MD 2.8 (ISK).
30	19	09	02.2	2.822	S	137.813	E	33	N	4.1	1.1	15	IRIAN JAYA, INDONESIA
30	19	15	46.6&	30.707	S	71.451	W	53				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
30	19	50	04.9*	4.367	S	102.760	E	103	?	4.8	1.2	31	SOUTHERN SUMATERA, INDONESIA
30	21	09	14.3*	27.619	N	143.174	E	10	G	4.5	0.9	14	BONIN ISLANDS REGION
30	21	22	23.4&	42.860	N	1.970	W	0	G			9	PYRENEES. <MDD>. mbLg 2.4 (MDD). ML 2.4 (LDG).
30	21	35	10.2&	11.120	N	62.112	W	74				5	WINDWARD ISLANDS. <TRN>. MD 2.8 (TRN).
30	21	53	24.3?	0.87	N	125.87	E	33	N	4.1	1.2	10	NORTHERN MOLUCCA SEA
30	22	00	29.1&	34.331	N	116.847	W	6				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
30	22	32	37.3&	19.218	N	98.844	W	2				9	CENTRAL MEXICO. <UNM>. MD 3.3 (UNM).
30	22	56	36.1&	42.980	N	0.620	W	5				7	PYRENEES. <STR>. ML 2.6 (STR), 2.1 (LDG).
30	23	08	30.5&	31.801	S	72.275	W	20				17	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.6 (GUC).
30	23	15	17.6&	40.784	N	28.908	E	5				20	TURKEY. <ISK>. MD 3.3 (ISK).
30	23	28	10.0*	21.956	S	68.038	W	150	G		0.6	8	CHILE-BOLIVIA BORDER REGION
31	00	09	43.2	40.052	S	176.747	E	61			0.4	20	NORTH ISLAND, NEW ZEALAND. Felt at Hawkes Bay.
31	00	15	32.8&	36.576	N	121.136	W	11				12	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK).
31	00	55	09.1&	10.979	N	62.253	W	110				5	NEAR COAST OF VENEZUELA. <TRN>. MD 2.9 (TRN).
31	01	00	55.0&	33.329	S	70.411	W	96				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
31	01	12	24.3&	36.120	N	83.700	W	9				7	TENNESSEE. <TVA-P>. MD 2.6 (TVA). Felt in parts of Knox and Grainger Counties.
31	01	18	47.4&	34.313	N	116.840	W	5				27	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
31	02	12	05.9	4.705	S	140.893	E	33	N	4.6	1.5	28	IRIAN JAYA, INDONESIA
31	02	17	07.3%	39.698	S	174.932	E	33	N		0.4	9	NORTH ISLAND, NEW ZEALAND. ML 3.7 (WEL).
31	02	21	39.8&	63.171	N	150.370	W	107				31	CENTRAL ALASKA. <AEIC>.
31	03	25	42.0&	38.860	N	9.810	W	5				18	PORTUGAL. <MDD>. mbLg 2.0 (MDD).
31	04	51	04.9&	33.084	S	72.122	W	11				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
31	05	36	54.6&	40.836	N	30.361	E	5				12	TURKEY. <ISK>. MD 2.9 (ISK).
31	06	39	05.9&	62.802	N	149.268	W	78				37	CENTRAL ALASKA. <AEIC>.
31	06	50	21.4*	19.519	N	120.234	E	33	N	4.2	1.5	6	PHILIPPINE ISLANDS REGION
31	07	23	31.4&	39.593	N	28.506	E	5				4	TURKEY. <ISK>. MD 2.6 (ISK).

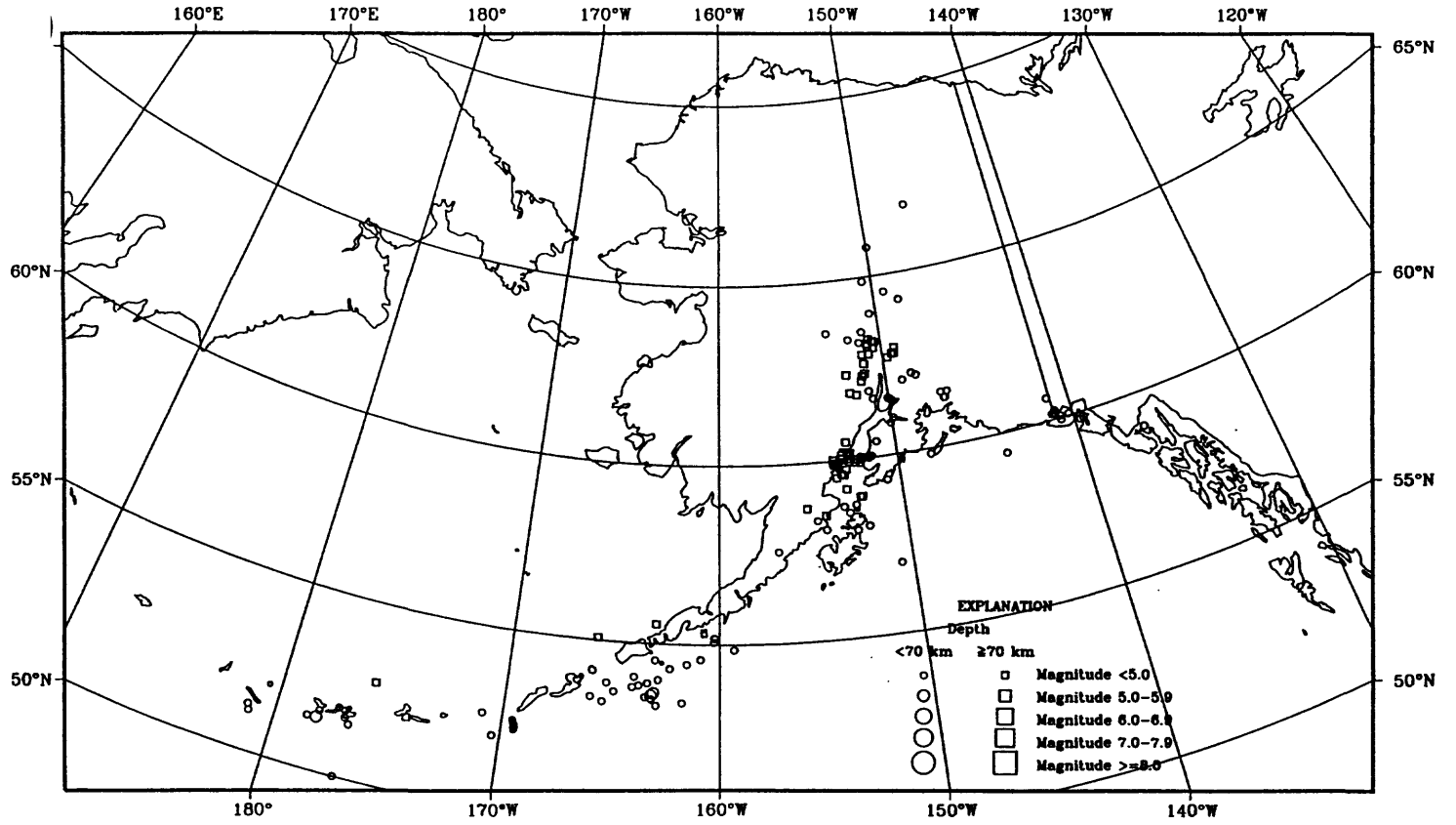
31	07	31	29.2&	60.886	N	150.087	W	33				39	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
31	09	10	01.2&	42.850	N	0.260	W	2	G			24	PYRENEES. <STR>. ML 3.0 (STR), 2.8 (LDG). mbLg 2.6 (MDD).
31	09	25	12.3&	40.593	N	27.671	E	10	G			14	TURKEY. <ISK>. MD 3.2 (ISK).
31	09	31	21.3&	42.840	N	0.250	W	2	G			28	PYRENEES. <STR>. ML 3.0 (STR), 3.0 (LDG). mbLg 3.0 (MDD). Felt (II) at Cauterets, France.
31	09	36	16.4&	32.077	S	71.469	W	27				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
31	10	09	38.2&	42.830	N	0.240	W	2	G			21	PYRENEES. <STR>. ML 3.2 (STR), 2.8 (LDG). mbLg 2.7 (MDD).
31	10	31	12.9&	43.040	N	0.140	W	2	G			5	PYRENEES. <STR>. ML 1.6 (STR).
31	10	42	02.8	31.694	N	104.240	E	33	N	4.5	1.1	23	SICHUAN, CHINA. ML 4.3 (BJI).
31	10	55	15.1&	35.460	S	71.402	W	104				12	CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
31	10	56	31.0&	44.300	N	7.700	E	2				12	NORTHERN ITALY. <LDG>. ML 2.4 (LDG), 2.0 (STR).
31	11	19	06.2	6.221	S	98.798	E	33	N	5.3 5.2	1.1	108	SOUTHWEST OF SUMATERA, INDONESIA. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:19:07.1; Lat 6.31 S; Lon 98.64 E; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.37, Plg=7, Azm=45; (N) Val=-0.02, Plg=79, Azm=170; (P) Val=-3.35, Plg=9, Azm=314; Best double couple: Mo=3.4*10**17 Nm; NP1: Strike=89, Dip=79, Slip=-178; NP2: Strike=359, Dip=88, Slip=-11.
31	12	11	08.9%	46.345	S	33.901	E	10	G		0.6	7	PRINCE EDWARD ISLANDS REGION
31	12	45	50.0	17.881	S	178.318	W	577	D	4.8	0.8	208	FIJI ISLANDS REGION
31	12	52	29.0*	20.204	S	177.617	W	600	G	4.5	1.0	14	FIJI ISLANDS REGION
31	13	18	39.4&	42.850	N	0.230	W	2	G			9	PYRENEES. <STR>. ML 2.7 (STR), 2.1 (LDG).
31	13	22	26.5&	44.800	N	6.600	E	2				14	FRANCE. <LDG>. ML 1.9 (LDG).
31	13	38	50.3	29.328	N	142.042	E	19	*	5.1 4.9	0.9	130	SOUTH OF HONSHU, JAPAN. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:38:51.0; Lat 28.95 N; Lon 142.33 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.14, Plg=61, Azm=265; (N) Val=-1.31, Plg=2, Azm=359; (P) Val=-7.84, Plg=29, Azm=90; Best double couple: Mo=8.5*10**16 Nm; NP1: Strike=186, Dip=16, Slip=97; NP2: Strike=358, Dip=74, Slip=88.
31	13	40	00.3&	32.405	S	70.742	W	88				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
31	13	43	45.6?	28.45	S	67.39	W	200	G		1.0	13	LA RIOJA PROVINCE, ARGENTINA
31	14	03	32.5	53.049	N	157.859	E	153	D	5.2	0.8	331	KAMCHATKA. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:03:37.8; Lat 52.81 N; Lon 158.00 E; Dep 159.2; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.94, Plg=42, Azm=121; (N) Val=-0.17, Plg=11, Azm=21; (P) Val=-1.77, Plg=46, Azm=279; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=279, Dip=11, Slip=-12; NP2: Strike=21, Dip=88, Slip=-101.
31	14	25	14.0	42.976	N	111.110	W	5	G		1.0	24	EASTERN IDAHO. ML 3.2 (GS), 3.2 (BUT).
31	14	36	40.5&	44.340	N	7.277	E	9				4	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
31	14	57	40.0&	61.582	N	150.045	W	35				30	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 2.9 (PMR).
31	15	27	49.5&	60.033	N	151.439	W	45				39	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
31	15	27	59.5&	53.341	N	165.532	W	8				8	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.2 (AEIC).
31	15	30	13.1&	33.076	S	72.099	W	10				11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
31	15	34	08.0&	32.340	S	69.960	W	140				12	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.3 (GUC).
31	16	09	02.4*	39.684	N	77.163	E	33	N	4.4	1.4	19	SOUTHERN XINJIANG, CHINA
31	16	09	52.4	6.113	S	150.482	E	57	*	4.3	1.1	20	NEW BRITAIN REGION, P.N.G.
31	16	20	11.4&	61.843	N	151.092	W	61				41	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.5 (PMR).
31	16	39	16.2?	12.38	N	143.89	E	33	N		1.0	5	SOUTH OF MARIANA ISLANDS
31	17	44	41.2&	59.847	N	148.163	W	17				34	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
31	18	00	58.9*	36.558	N	140.742	E	57	*	4.6	0.8	21	NEAR EAST COAST OF HONSHU, JAPAN
31	18	25	20.6&	60.133	N	140.975	W	8				57	SOUTHEASTERN ALASKA. <AEIC>. ML 4.0 (AEIC), 4.1 (PMR), 4.3 (PGC). Felt at Yakutat.
31	18	26	32.3&	18.000	N	65.650	W	0	G			5	PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
31	18	30	43.1	60.249	N	140.932	W	10	G	4.7	0.9	35	SOUTHEASTERN ALASKA. ML 4.4 (PMR), 4.4 (PGC).
31	19	08	58.3&	43.050	N	0.590	W	10				5	PYRENEES. <STR>. ML 2.2 (STR).
31	19	24	44.5&	60.140	N	140.958	W	7				31	SOUTHEASTERN ALASKA. <AEIC>. ML 3.8 (AEIC), 4.0 (PGC).
31	19	57	21.5&	45.300	N	6.800	E	2				35	FRANCE. <LDG>. ML 3.2 (STR), 3.0 (LDG).
31	20	21	42.0&	18.920	N	64.830	W	77				6	VIRGIN ISLANDS. <MPR>. MD 3.5 (MPR).
31	20	58	54.9&	37.140	N	1.870	W	3				7	SPAIN. <MDD>. mbLg 2.1 (MDD).
31	21	00	43.1&	37.170	N	1.880	W	1				14	SPAIN. <MDD>. mbLg 2.3 (MDD).
31	21	02	07.9&	37.150	N	1.860	W	9				11	SPAIN. <MDD>. mbLg 2.4 (MDD).
31	21	02	56.4*	13.434	S	170.754	E	600	G	4.7	0.8	29	VANUATU ISLANDS REGION
31	21	14	10.6&	37.090	N	1.760	W	3				10	SPAIN. <MDD>. mbLg 2.2 (MDD).
31	21	20	53.9*	35.565	N	139.524	E	114	*		1.3	11	NEAR S. COAST OF HONSHU, JAPAN
31	21	22	00.4	14.890	S	167.270	E	100	G	4.3	1.0	48	VANUATU ISLANDS
31	21	26	14.3	3.572	S	138.271	E	127	?	4.0	1.2	13	IRIAN JAYA, INDONESIA
31	22	46	34.8*	47.742	N	152.046	E	100	G	4.2	0.6	11	KURIL ISLANDS
31	22	49	24.5&	32.944	S	70.265	W	104				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
31	23	07	29.6&	45.102	N	120.823	W	0				26	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.7 (SEA).
31	23	20	01.5&	60.493	N	152.779	W	127				40	SOUTHERN ALASKA. <AEIC>.
31	23	37	23.2&	40.280	N	35.405	E	10	G			4	TURKEY. <ISK>. MD 2.9 (ISK).

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

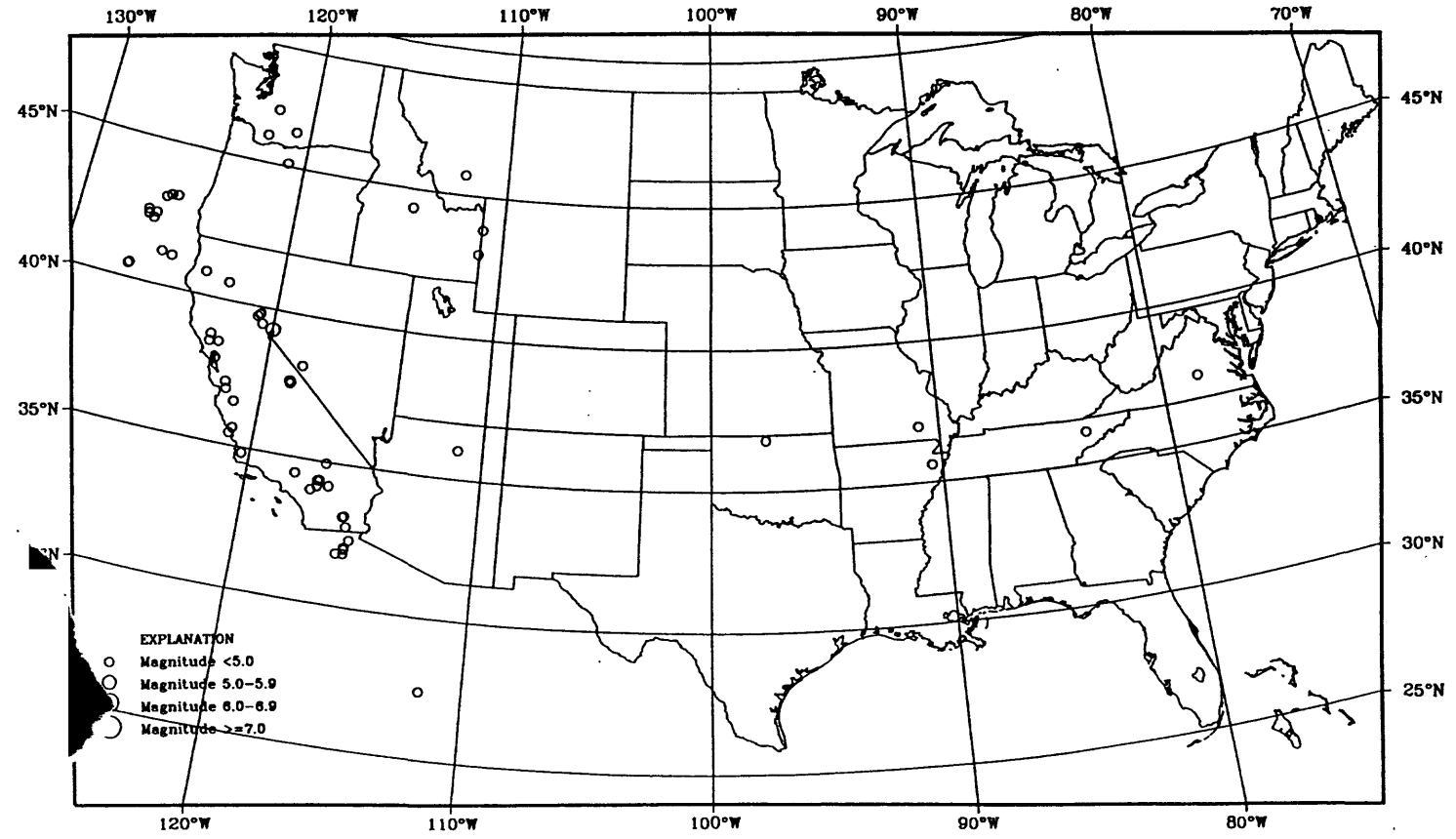
Earthquake Focal Mechanisms for October 1998



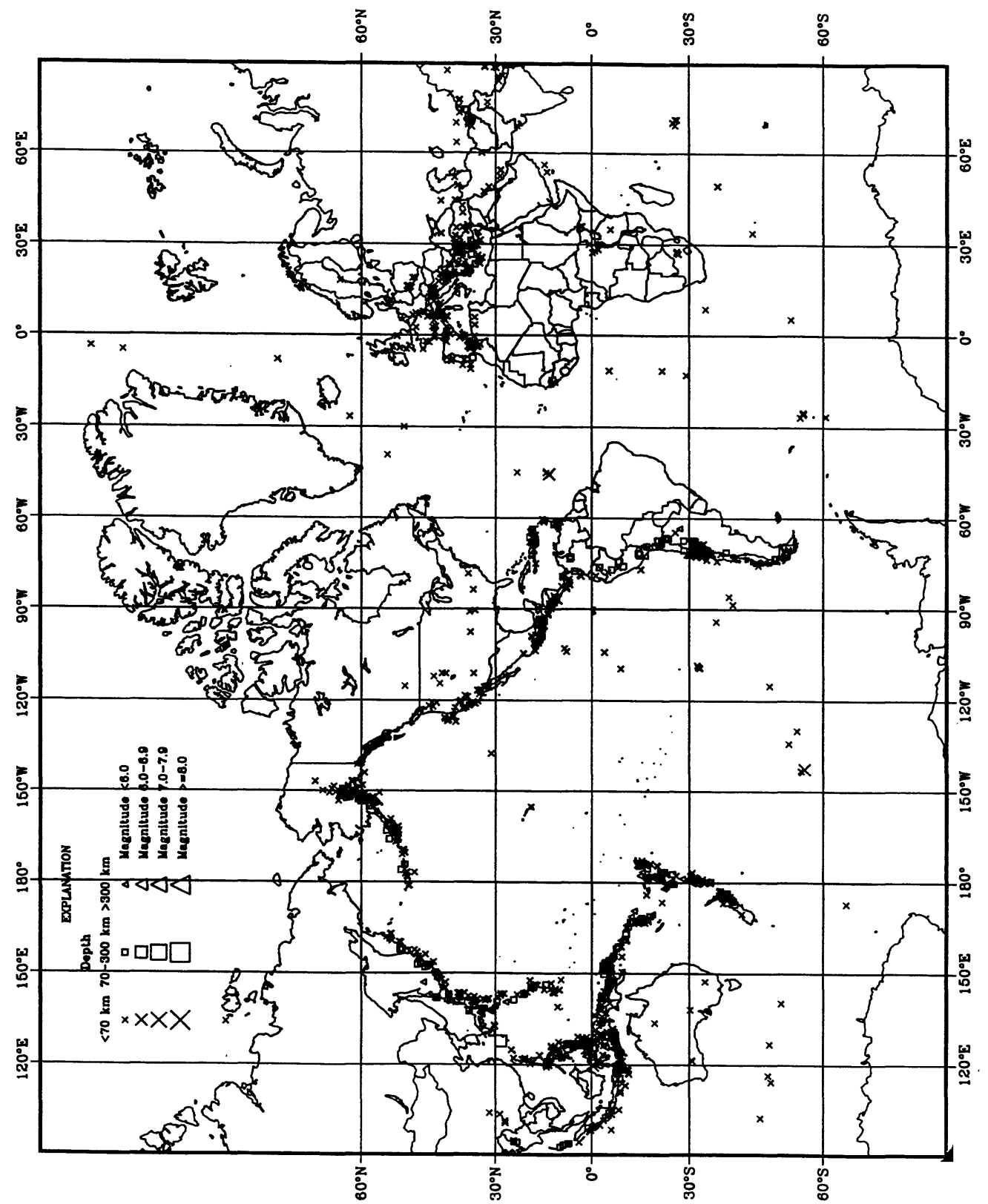
Earthquake epicenters in Alaska and adjacent regions for October 1998



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



Earthquakes located worldwide in October 1998



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

USGS
science for a changing world

Preliminary Determination of Epicenters

Monthly Listing

National Earthquake Information Center

NOVEMBER 1998

ORIGIN TIME UTC DAY	HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH	MAGNITUDE GS MB	Msz		SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00	10	54.1&	33.059	S	70.205	W	111					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
01	00	17	58.2&	45.100	N	120.833	W	0					54	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.9 (SEA).
01	00	23	31.0&	39.760	N	120.660	W	6					7	NORTHERN CALIFORNIA. <REN-P>. MD 2.4 (REN). ML 2.9 (GS).
01	01	30	54.7&	53.764	N	165.851	W	62					17	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.4 (AEIC).
01	01	39	29.9*	8.664	S	123.178	E	100	G	3.9		0.9	13	FLORES REGION, INDONESIA
01	02	07	05.8*	5.431	S	147.091	E	226		4.4		0.9	17	EASTERN NEW GUINEA REG., P.N.G.
01	02	10	36.0&	39.760	N	120.660	W	4					14	NORTHERN CALIFORNIA. <REN-P>. ML 3.0 (BRK), 3.1 (GS).
01	02	19	44.0&	45.910	N	16.280	E	11					7	NORTHWESTERN BALKAN REGION. <ZAG>. ML 2.6 (ZAG).
01	02	23	45.0&	32.040	S	69.739	W	144					9	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.5 (GUC).
01	02	26	14.0	36.382	N	21.987	E	67		4.0		1.3	49	SOUTHERN GREECE. MD 4.1 (ATH).
01	02	33	05.9	16.350	S	71.240	W	107		4.5		0.9	40	SOUTHERN PERU
01	02	42	54.1&	36.630	N	2.840	W	0					14	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.5 (MDD).
01	03	18	44.2%	27.584	N	142.087	E	33	N			0.8	5	BONIN ISLANDS REGION
01	03	34	08.3	36.326	N	112.418	W	5	G			0.9	7	WESTERN ARIZONA. ML 3.0 (GS). Felt at Phantom Ranch.
01	03	56	38.1&	32.895	S	71.198	W	56					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.6 (GUC).
01	04	17	20.0&	43.550	N	111.160	W	5					11	EASTERN IDAHO. <USBR>. MD 2.7 (USBR).
01	04	42	58.3*	42.705	N	79.818	E	33	N	3.9		1.2	14	LAKE ISSYK-KUL REGION
01	05	13	28.5&	36.070	N	27.430	E	10					7	DODECANESE ISLANDS. <ATH>. MD 4.0 (ATH).
01	05	31	44.0*	10.945	S	162.184	E	172	?	4.6		1.2	30	SOLOMON ISLANDS
01	05	31	56.1&	61.955	N	151.714	W	80					67	SOUTHERN ALASKA. <AEIC>.
01	06	10	19.5*	1.294	N	120.533	E	33	N	4.3		1.1	13	MINAHASSA PENINSULA, SULAWESI
01	06	26	08.0&	39.760	N	120.660	W	5					23	NORTHERN CALIFORNIA. <REN-P>. MD 3.3 (REN). ML 3.6 (BRK), 3.6 (GS).
01	06	27	44.9&	36.420	N	4.510	W	28					11	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.6 (MDD).
01	06	36	16.5	38.450	N	26.658	E	10	G			1.0	13	AEGEAN SEA. MD 3.7 (ATH), 3.4 (ISK).
01	06	52	38.5	39.750	N	15.319	E	288		4.0		1.0	47	SOUTHERN ITALY
01	06	55	55.7&	37.030	N	4.350	W	1					5	SPAIN. <MDD>. mbLg 1.5 (MDD).
01	07	16	03.2*	38.419	N	26.561	E	10	G			0.7	9	AEGEAN SEA. MD 3.8 (ATH), 3.5 (ISK).
01	07	30	07.2&	38.004	N	30.051	E	10	G				4	TURKEY. <ISK>. MD 3.0 (ISK).
01	07	48	12.9*	19.471	S	127.136	W	10	G	4.7		0.8	27	SOUTH PACIFIC OCEAN
01	08	21	38.2&	40.410	N	124.161	W	12					8	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM).
01	08	29	41.7&	58.192	N	155.235	W	108					116	ALASKA PENINSULA. <AEIC>.
01	09	28	52.7&	34.319	N	116.848	W	6					29	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
01	09	48	24.3&	44.800	N	6.600	E	2					19	FRANCE. <LDG>. ML 2.1 (LDG).
01	09	48	37.0&	44.800	N	6.600	E	2					8	FRANCE. <LDG>. ML 2.4 (LDG).
01	09	52	44.0	9.700	N	126.174	E	33	N	4.7	3.8	1.1	42	MINDANAO, PHILIPPINE ISLANDS
01	10	11	50.8*	20.727	S	177.867	W	500	G	4.2		0.8	23	FIJI ISLANDS REGION
01	10	40	21.1&	44.800	N	6.700	E	2					15	FRANCE. <LDG>. ML 1.8 (LDG).
01	10	45	23.7*	35.368	N	140.450	E	33	N			1.0	9	NEAR EAST COAST OF HONSHU, JAPAN
01	11	27	11.9&	18.600	N	67.480	W	97					5	MONA PASSAGE. <MPR>. MD 3.0 (MPR).
01	11	42	14.6	54.211	N	164.187	W	33	N	4.6		1.1	51	UNIMAK ISLAND REGION. ML 4.6 (PMR).
01	12	30	31.3&	44.800	N	6.600	E	2					7	FRANCE. <LDG>. ML 2.1 (LDG).
01	13	38	05.1	1.385	N	128.235	E	87	D	4.7		1.0	36	HALMAHERA, INDONESIA
01	13	58	25.0&	43.850	N	111.020	W	5					17	EASTERN IDAHO. <USBR>. MD 2.8 (USBR). ML 3.2 (GS).
01	14	36	25.9*	19.368	S	177.773	E	33	N	4.6	4.5	1.1	30	SOUTH OF FIJI ISLANDS
01	15	13	59.6%	7.189	N	127.144	E	33	N			0.6	7	PHILIPPINE ISLANDS REGION
01	15	38	44.5	31.535	S	72.250	W	10	G			1.1	22	OFF COAST OF CENTRAL CHILE. MD 4.7 (GUC).
01	16	01	00.0*	43.603	N	148.175	E	33	N	4.5		1.0	16	EAST OF KURIL ISLANDS
01	16	32	56.3*	37.543	N	70.316	E	33	N	3.9		0.9	13	AFGHANISTAN-TAJIKISTAN BORD REG.
01	16	34	59.6&	31.868	S	72.167	W	28					14	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC).
01	16	36	41.7	44.774	N	6.884	E	10	G			0.6	6	FRANCE
01	17	26	06.0&	61.560	N	130.350	W	0	G	3.3			6	SOUTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 3.8 (PGC).
01	18	04	07.1&	40.742	N	29.110	E	5					5	TURKEY. <ISK>. MD 2.7 (ISK).
01	18	20	55.0*	24.005	S	66.720	W	216	*	4.5		0.8	11	SALTA PROVINCE, ARGENTINA
01	19	01	59.5&	37.071	N	30.326	E	7					5	TURKEY. <ISK>. MD 3.1 (ISK).
01	19	07	14.4&	44.828	N	8.802	E	6					34	NORTHERN ITALY. <GEN>. ML 3.1 (STR), 2.9 (GEN), 2.8 (LDG).
01	19	13	18.4	42.032	N	141.333	E	100	G	4.2		1.0	26	HOKKAIDO, JAPAN REGION. Felt (I JMA) in southern Hokkaido. Also felt (I JMA) in eastern Aomori Prefecture, Honshu.
01	19	16	07.4	8.380	S	119.878	E	200	G	4.3		1.1	22	FLORES REGION, INDONESIA
01	19	19	16.2&	37.820	N	29.585	E	8					7	TURKEY. <ISK>. MD 3.1 (ISK).
01	19	29	23.6&	35.326	S	71.557	W	89					13	CENTRAL CHILE. <GUC>. MD 3.8 (GUC).

01	19	35	20.8&	35.640	N	25.910	E	39				7	CRETE. <ATH>. MD 3.6 (ATH).
01	19	44	48.5*	32.163	S	69.993	W	100	G		0.9	15	MENDOZA PROVINCE, ARGENTINA. MD 4.2 (GUC).
01	19	54	30.8&	58.861	N	157.390	W	0				26	ALASKA PENINSULA. <AEIC>. ML 3.4 (AEIC), 3.4 (PMR).
01	20	42	02.4?	9.19	S	158.84	E	94	?		0.6	7	SOLOMON ISLANDS
01	21	08	43.0&	45.080	N	14.500	E	10				6	NORTHWESTERN BALKAN REGION. <ZAG>.
01	21	19	04.5&	7.965	N	83.075	W	6				6	OFF COAST OF COSTA RICA. <UPA>. MD 4.0 (UPA).
01	21	23	33.2	43.176	N	126.407	W	10	G	4.3	0.6	66	OFF COAST OF OREGON
01	21	35	46.5	0.668	N	125.950	E	90	*	4.9	1.2	35	NORTHERN MOLUCCA SEA
01	22	01	57.1&	19.160	N	65.170	W	25				8	PUERTO RICO REGION. <MPR>. MD 3.7 (MPR).
01	22	07	21.4&	19.040	N	65.230	W	45				7	PUERTO RICO REGION. <MPR>. MD 3.6 (MPR).
01	22	28	48.8&	19.140	N	65.130	W	67				8	PUERTO RICO REGION. <MPR>. MD 3.6 (MPR).
01	22	41	13.5*	2.354	N	126.563	E	33	N	4.3	0.9	9	NORTHERN MOLUCCA SEA
01	22	42	56.4?	51.04	N	172.14	W	33	N		1.3	9	ANDREANOF ISLANDS, ALEUTIAN IS.
01	23	46	43.3&	45.400	N	6.500	E	2				4	FRANCE. <LDG>. ML 1.8 (LDG).
01	23	58	56.0&	37.380	N	2.340	W	16				8	SPAIN. <MDD>. mbLg 1.7 (MDD).
02	00	04	50.5*	11.467	S	66.489	E	10	G	4.7	0.9	26	MID-INDIAN RIDGE
02	00	17	37.2&	44.800	N	6.600	E	2				15	FRANCE. <LDG>. ML 2.1 (GEN), 2.1 (LDG).
02	00	36	04.1&	39.290	N	28.191	E	6				5	TURKEY. <ISK>. MD 2.8 (ISK).
02	00	44	23.5&	39.264	N	28.249	E	9				28	TURKEY. <ISK>. MD 3.9 (ATH), 3.7 (ISK).
02	00	57	41.7*	42.049	N	74.513	E	33	N		1.1	6	KYRGYZSTAN
02	01	03	00.0&	37.034	S	72.183	W	72				11	CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
02	01	03	45.4&	39.305	N	28.204	E	9				8	TURKEY. <ISK>. MD 2.9 (ISK).
02	01	31	02.0&	39.531	N	28.277	E	8				6	TURKEY. <ISK>. MD 2.9 (ISK).
02	01	43	15.8&	31.566	S	72.203	W	24				10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
02	01	49	40.8&	62.025	N	152.197	W	110				32	CENTRAL ALASKA. <AEIC>.
02	01	59	42.0&	60.055	N	152.988	W	108				56	SOUTHERN ALASKA. <AEIC>.
02	02	01	35.1&	31.686	S	71.799	W	22				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
02	02	01	49.2&	9.473	N	82.401	W	43				5	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.7 (UPA).
02	02	26	22.2*	20.284	S	114.425	E	10	G	4.5	1.0	14	WESTERN AUSTRALIA
02	02	35	35.0&	34.059	S	70.350	W	8				7	CHILE-ARGENTINA BORDER REGION. <GUC>.
02	03	02	45.0	5.554	S	145.728	E	102	*	4.3	1.1	27	EASTERN NEW GUINEA REG., P.N.G.
02	03	31	07.8&	60.007	N	153.053	W	121		3.7		51	SOUTHERN ALASKA. <AEIC>.
02	03	41	42.9?	23.42	N	125.50	E	33	N	3.8	1.0	6	SOUTHWESTERN RYUKYU ISLANDS
02	03	50	32.4	19.250	S	177.791	E	33	N	5.2 5.3	1.2	123	SOUTH OF FIJI ISLANDS. Mw 5.7 (HRV). Felt in Fiji. Centroid, Moment Tensor (HRV): Centroid origin time 03:50:37.6; Lat 19.15 S; Lon 177.90 E; Dep 15.0 Fix; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=5.32, Plg=5, Azm=281; (N) Val=-1.54, Plg=78, Azm=167; (P) Val=-3.79, Plg=11, Azm=12; Best double couple: Mo=4.6*10**17 Nm; NP1: Strike=56, Dip=79, Slip=-4; NP2: Strike=147, Dip=86, Slip=-169.
02	05	15	46.8	9.761	N	85.097	W	33	N	4.3	1.2	32	OFF COAST OF COSTA RICA. MD 4.8 (UPA). ML 4.3 (SJR).
02	06	21	12.9	38.674	N	73.253	E	117	*	4.5	0.8	33	TAJIKISTAN-XINJIANG BORDER REG.
02	06	46	39.9*	19.085	S	177.677	E	33	N	4.7 4.5	1.2	28	SOUTH OF FIJI ISLANDS
02	07	01	24.2?	16.07	S	173.91	W	33	N	4.6	0.8	15	TONGA ISLANDS
02	07	47	41.2?	43.27	N	127.96	W	10	G		0.4	40	OFF COAST OF OREGON
02	08	07	22.1?	38.75	S	175.24	E	231	?		0.3	10	NORTH ISLAND, NEW ZEALAND
02	09	08	29.5	22.919	N	144.421	E	33	N	4.8 3.9	0.9	34	VOLCANO ISLANDS REGION
02	09	11	37.1&	44.818	N	6.150	E	10	G		0.6	6	FRANCE
02	09	12	19.7&	32.088	S	69.525	W	151				11	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.0 (GUC).
02	09	18	35.5&	40.215	N	28.326	E	5				4	TURKEY. <ISK>. MD 2.5 (ISK).
02	09	28	18.7&	33.854	S	70.844	W	81				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
02	09	49	41.7&	62.842	N	148.652	W	72				39	CENTRAL ALASKA. <AEIC>.
02	10	16	05.7&	31.896	N	115.772	W	6	G			32	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 4.0 (PAS). MD 4.3 (ECX).
02	10	38	44.3	23.951	S	66.794	W	200	G	4.1	1.0	25	JUJUY PROVINCE, ARGENTINA
02	12	14	40.1&	60.772	N	151.349	W	57				26	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
02	12	17	10.4*	37.248	N	69.864	E	33	N	3.7	1.5	11	AFGHANISTAN-TAJIKISTAN BORD REG.
02	12	31	40.8*	71.495	N	12.350	W	10	G	3.9	0.7	13	JAN MAYEN ISLAND REGION
02	12	36	02.2&	32.193	S	70.267	W	111				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
02	12	49	40.6*	71.489	N	11.968	W	10	G		1.0	8	JAN MAYEN ISLAND REGION
02	12	52	05.3*	71.712	N	12.046	W	10	G	3.9	1.1	9	JAN MAYEN ISLAND REGION
02	12	56	11.6*	71.864	N	11.142	W	10	G	4.0	1.6	6	JAN MAYEN ISLAND REGION
02	13	03	21.2&	33.792	S	71.307	W	48				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
02	13	31	02.1&	48.317	N	153.776	E	100	G		0.5	8	KURIL ISLANDS
02	13	59	53.7&	41.030	N	0.540	W	0	G			5	SPAIN. <MDD>. mbLg 1.8 (MDD).
02	14	24	04.2*	28.148	N	112.810	W	10	G	4.5	1.1	20	GULF OF CALIFORNIA
02	15	03	43.4&	18.180	N	67.940	W	128				7	MONA PASSAGE. <MPR>. MD 3.4 (MPR).
02	15	33	00.0*	13.658	N	145.305	E	150	G	3.6	0.7	14	MARIANA ISLANDS
02	15	53	35.8&	33.181	N	115.603	W	1				44	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS).
02	16	38	49.1*	71.582	N	12.315	W	10	G	4.3	1.4	20	JAN MAYEN ISLAND REGION
02	17	06	49.6&	60.478	N	153.133	W	141				30	SOUTHERN ALASKA. <AEIC>.
02	17	09	29.6*	22.429	S	151.869	E	10	G	4.3	1.4	23	QUEENSLAND, AUSTRALIA
02	17	31	34.4&	37.070	N	4.300	W	0	G			10	SPAIN. <MDD>. mbLg 1.9 (MDD).
02	17	32	25.2&	43.200	N	4.900	E	2				23	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 3.1 (STR), 2.9 (LDG).
02	17	36	42.0*	71.544	N	12.011	W	10	G		1.1	7	JAN MAYEN ISLAND REGION
02	17	57	26.6&	39.160	N	6.780	W	2				7	SPAIN. <MDD>. mbLg 2.7 (MDD).
02	18	10	35.8*	4.950	N	127.586	E	33	N	4.7	1.1	23	TALAUD ISLANDS, INDONESIA
02	18	50	11.4?	0.94	S	137.43	E	33	N	3.6	1.4	7	IRIAN JAYA REGION, INDONESIA
02	19	01	09.8?	21.14	S	175.09	W	200	G	4.2	1.4	14	TONGA ISLANDS
02	19	09	21.6	36.593	N	21.376	E	33	N	3.9	1.3	36	SOUTHERN GREECE
02	20	16	15.0&	62.190	N	124.380	W	0	G			5	NORTHWEST TERRITORIES, CANADA. <PGC>. mbLg 3.9 (PGC).
02	20	27	53.1	51.289	N	176.227	W	33	N	4.9 4.6	0.9	132	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.3 (HRV). Felt on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 20:27:53.8; Lat 51.29 N Fix; Lon 176.23 W Fix; Dep 25.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.90, Plg=57, Azm=311; (N) Val=0.47, Plg=10, Azm=57; (P) Val=-9.38, Plg=31, Azm=153; Best double couple: Mo=9.1*10**16 Nm; NP1: Strike=273, Dip=17, Slip=127; NP2: Strike=55, Dip=77, Slip=80.
02	20	27	54.0	39.390	N	21.401	E	54		4.0	1.3	64	GREECE
02	20	28	08.4&	37.000	N	4.180	W	0				15	SPAIN. <MDD>. mbLg 2.5 (MDD).
02	20	38	06.4	51.292	N	176.134	W	33	N	4.6	0.9	64	ANDREANOF ISLANDS, ALEUTIAN IS.
02	20	47	26.1?	45.44	S	76.80	W	33	N	4.5	0.9	7	OFF COAST OF SOUTHERN CHILE

02	21	17	30.0&	11.095	N	60.914	W	11					8	WINDWARD ISLANDS. <TRN>. MD 3.2 (TRN).
02	21	39	48.9*	42.405	N	29.237	W	10	G	4.5		1.2	10	AZORES ISLANDS REGION
02	21	42	15.8?	30.33	N	138.40	E	435	*	3.6		1.2	10	SOUTH OF HONSHU, JAPAN
02	22	01	44.0	71.700	N	12.096	W	10	G	4.2		0.9	14	JAN MAYEN ISLAND REGION
02	22	06	38.2*	31.851	S	69.242	W	100	G			1.0	14	SAN JUAN PROVINCE, ARGENTINA. MD 3.3 (GUC).
02	22	17	54.2&	34.328	N	116.852	W	6					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS).
02	22	23	43.8*	21.524	N	121.223	E	33	N	4.6		1.3	14	TAIWAN REGION
02	22	49	21.8&	36.854	N	120.672	W	0					11	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM).
02	23	10	59.2	43.665	N	147.620	E	58	D	5.5		0.8	277	KURIL ISLANDS. Mw 5.2 (HRV). Felt (II) at Kurilsk, Iturup; Yuzhno-Kurilsk, Kunashir; and on Shikotan. Felt (I JMA) in eastern Hokkaido. Also felt (I JMA) in southeastern Aomori and northwestern Iwate Prefectures, Honshu. Centroid, Moment Tensor (HRV): Centroid origin time 23:10:59.7; Lat 42.92 N; Lon 147.78 E; Dep 32.6; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=7.33, Plg=57, Azm=343; (N) Val=-1.10, Plg=15, Azm=228; (P) Val=-6.23, Plg=28, Azm=130; Best double couple: Mo=6.8*10**16 Nm; NP1: Strike=185, Dip=22, Slip=45; NP2: Strike=52, Dip=75, Slip=106.
02	23	42	52.7&	31.999	S	69.834	W	138					12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.6 (GUC).
03	02	39	21.3*	10.213	S	124.294	E	33	N	4.3		1.2	7	TIMOR REGION, INDONESIA
03	04	13	32.3*	34.989	N	141.437	E	33	N	4.2		1.3	15	OFF EAST COAST OF HONSHU, JAPAN
03	04	32	22.1*	51.280	N	176.043	W	33	N	4.0		1.3	23	ANDREANOF ISLANDS, ALEUTIAN IS.
03	04	36	46.2?	34.14	N	137.97	E	107	*	3.7		1.0	9	NEAR S. COAST OF HONSHU, JAPAN
03	04	37	09.8&	37.080	N	4.120	W	0	G				9	SPAIN. <MDD>. mbLg 1.5 (MDD).
03	04	46	03.2&	40.272	N	124.324	W	10					16	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.4 (GM). ML 3.4 (BRK). Felt (IV) at Petrolia. Felt lightly at Ferndale, Fortuna, Loleta, Rio Dell and Samoa.
03	05	09	15.7&	38.814	N	122.828	W	0					9	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
03	06	02	16.3&	37.876	N	122.242	W	9					5	CENTRAL CALIFORNIA. <GM-P>. MD 2.3 (GM).
03	06	06	53.1&	36.260	N	27.210	E	8					11	DODECANESE ISLANDS. <ATH>. MD 3.9 (ATH), 3.6 (ISK).
03	06	37	52.8&	63.210	N	150.529	W	126					14	CENTRAL ALASKA. <AEIC>.
03	07	02	33.2	52.903	N	167.633	W	60	*	4.6		1.1	55	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.8 (PMR).
03	07	06	35.3	22.013	N	121.302	E	33	N	4.9		1.0	67	TAIWAN REGION
03	07	41	42.9	4.524	S	141.667	E	97	*	4.2		0.8	17	NEW GUINEA, PAPUA NEW GUINEA
03	07	48	19.7*	37.870	N	141.790	E	85	D	3.9		1.4	12	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in eastern Fukushima and (I JMA) in Miyagi Prefectures.
03	07	49	54.1&	53.410	N	166.820	W	66					14	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.7 (AEIC).
03	07	53	29.8	53.828	N	35.238	W	10	G	4.6	4.3	0.9	23	NORTH ATLANTIC OCEAN
03	09	05	58.4*	43.543	N	146.914	E	56	D	4.3		1.3	21	KURIL ISLANDS
03	09	41	30.0&	44.568	N	7.093	E	12					4	NORTHERN ITALY. <GEN>. ML 1.5 (GEN).
03	09	45	08.2&	31.997	S	71.145	W	60					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
03	09	46	54.8&	43.420	N	5.440	E	1	G				13	NEAR SOUTH COAST OF FRANCE. <STR>. ML 2.4 (STR).
03	10	26	53.1&	36.979	N	121.632	W	6					9	CENTRAL CALIFORNIA. <GM-P>. MD 2.4 (GM).
03	10	32	51.0&	35.067	S	71.074	W	108					12	CENTRAL CHILE. <GUC>. MD 2.6 (GUC).
03	10	46	30.4&	40.368	S	175.229	E	10	G			0.4	11	NORTH ISLAND, NEW ZEALAND. ML 3.4 (WEL). Felt at Rongotea.
03	11	19	32.0&	39.406	N	28.144	E	13					4	TURKEY. <ISK>. MD 2.7 (ISK).
03	11	40	57.6&	39.619	N	29.386	E	8					8	TURKEY. <ISK>. MD 2.7 (ISK).
03	11	55	25.8?	22.38	S	172.55	E	33	N	4.2		0.7	8	LOYALTY ISLANDS REGION
03	13	34	42.1*	6.986	N	126.772	E	201	*	4.6		1.0	17	MINDANAO, PHILIPPINE ISLANDS
03	14	27	34.7&	40.242	S	173.386	E	200	G			0.5	11	COOK STRAIT, NEW ZEALAND
03	14	34	09.6*	25.424	S	70.417	W	80	*			1.0	14	NEAR COAST OF NORTHERN CHILE
03	14	52	17.9&	37.340	N	2.210	W	15					5	SPAIN. <MDD>. mbLg 2.3 (MDD).
03	15	07	25.4	39.670	N	120.730	W	5	G			1.0	10	NORTHERN CALIFORNIA. ML 2.9 (GS).
03	15	39	19.6	4.298	N	124.740	E	332		4.5		1.0	51	CELEBES SEA
03	16	02	34.9	46.275	N	8.385	E	5	G			0.8	18	SWITZERLAND. ML 2.4 (STR), 2.3 (LDG).
03	17	04	28.7?	61.19	S	154.98	E	10	G	4.7		1.1	10	BALLENY ISLANDS REGION
03	19	33	48.0&	18.840	N	65.070	W	25					5	PUERTO RICO REGION. <MPR>. MD 3.4 (MPR).
03	19	48	15.4?	37.90	S	176.17	E	250	G			0.4	13	NORTH ISLAND, NEW ZEALAND
03	20	03	00.8?	39.84	S	174.84	E	10	G			0.4	8	NORTH ISLAND, NEW ZEALAND. ML 3.9 (WEL).
03	20	26	37.3&	38.433	N	12.894	E	10					21	SICILY. <ROM>. ML 3.3 (LDG), 3.2 (ROM).
03	20	42	42.8&	35.578	S	71.638	W	99					11	CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
03	21	02	20.9&	38.410	N	20.540	E	5					11	GREECE. <ATH>. ML 3.8 (ATH).
03	21	03	59.0&	32.152	S	69.671	W	143					9	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.6 (GUC).
03	21	15	06.8&	34.060	S	70.348	W	9					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC).
03	21	23	53.4*	4.240	N	126.313	E	107	*	4.2		1.1	15	TALAUD ISLANDS, INDONESIA
03	22	01	37.3	19.032	N	121.256	E	33	N	4.9	4.6	1.0	50	PHILIPPINE ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:01:40.0; Lat 19.21 N; Lon 120.72 E; Dep 43.0; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=8.67, Plg=77, Azm=135; (N) Val=0.67, Plg=2, Azm=38; (P) Val=-9.34, Plg=13, Azm=308; Best double couple: Mo=9.0*10**16 Nm; NP1: Strike=36, Dip=32, Slip=87; NP2: Strike=219, Dip=58, Slip=92.
03	22	32	38.8&	8.209	N	82.790	W	10					6	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.7 (UPA).
03	22	40	49.0&	47.521	N	122.753	W	22					11	WASHINGTON. <SEA-P>. MD 3.0 (SEA). ML 3.1 (PGC). Felt in the Bremerton area.
03	23	23	30.8&	31.767	S	69.540	W	162					9	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.3 (GUC).
04	00	22	00.6	0.851	N	29.194	W	10	G	4.8	4.1	1.0	50	CENTRAL MID-ATLANTIC RIDGE
04	00	37	26.8*	51.934	N	169.093	W	33	N	4.0		1.0	10	FOX ISLANDS, ALEUTIAN ISLANDS
04	00	42	03.4&	37.000	N	4.180	W	0	G				5	SPAIN. <MDD>. mbLg 1.6 (MDD).
04	00	50	29.6	53.750	N	169.372	E	33	N	4.3		0.8	30	KOMANDORSKY ISLANDS REGION
04	01	14	40.1&	34.002	S	70.362	W	9					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
04	01	43	07.4&	37.890	N	38.792	E	5					23	TURKEY. <ISK>. MD 4.1 (ISK).
04	02	29	03.3	19.218	N	107.932	W	33	N	4.4	3.8	1.1	48	OFF COAST OF JALISCO, MEXICO
04	02	46	15.6&	18.750	N	65.930	W	73					7	PUERTO RICO REGION. <MPR>. MD 3.1 (MPR).
04	02	54	13.9	52.094	N	176.143	W	35	D	5.1	4.2	0.9	128	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.2 (HRV). ML 4.9 (PMR). Felt on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 02:54:14.8; Lat 51.90 N; Lon 175.96 W; Dep 29.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.03, Plg=13, Azm=169; (N) Val=2.17, Plg=32, Azm=268; (P) Val=-8.21, Plg=55, Azm=61; Best double couple:

Mo-7.1*10**16 Nm; NP1: Strike=225, Dip=43, Slip=-142; NP2: Strike=105, Dip=65, Slip=-54.

04	03	55	56.6&	38.340	N	21.780	E	5		3.6			20	GREECE. <ATH>. ML 3.6 (ATH).
04	04	23	06.4*	36.374	N	70.222	E	222	D			1.0	14	HINDU KUSH REGION, AFGHANISTAN
04	05	55	27.7&	33.119	S	70.611	W	85					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
04	06	48	54.4*	0.350	S	124.319	E	33	N	4.3		0.9	7	SOUTHERN MOLUCCA SEA
04	07	03	16.6&	61.430	N	149.989	W	37					70	SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.4 (PMR). Felt (III) at Eagle River, Palmer and Wasilla. Also felt at Anchorage.
04	07	21	37.9&	34.316	N	116.842	W	5					34	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
04	08	06	20.5&	34.819	S	70.961	W	97					9	CHILE-ARGENTINA BORDER REGION. <GUC>.
04	08	13	01.7&	32.678	S	71.490	W	16					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
04	08	36	55.7&	32.283	S	70.005	W	132					26	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.3 (GUC).
04	08	59	00.3*	5.855	S	147.326	E	108	*	4.4		1.3	21	EASTERN NEW GUINEA REG., P.N.G.
04	09	57	08.4&	39.609	N	29.328	E	9					6	TURKEY. <ISK>. MD 2.8 (ISK).
04	10	51	03.8&	42.900	N	8.190	W	0	G				4	SPAIN. <MDD>. mbLg 2.1 (MDD).
04	12	14	43.1&	33.120	S	68.498	W	14					11	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.4 (GUC).
04	12	27	25.3&	38.860	N	21.450	E	5					7	GREECE. <ATH>. MD 3.1 (ATH).
04	12	46	34.2&	39.254	N	28.309	E	5					14	TURKEY. <ISK>. MD 3.2 (ISK).
04	12	50	14.6&	39.369	N	28.273	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
04	13	09	23.9&	39.362	N	28.234	E	9					9	TURKEY. <ISK>. MD 2.8 (ISK).
04	13	31	55.6&	39.282	N	27.685	E	10					4	TURKEY. <ISK>. MD 2.8 (ISK).
04	14	23	21.1&	39.212	N	27.414	E	5					5	TURKEY. <ISK>. MD 3.0 (ISK).
04	15	05	58.8%	14.263	N	93.668	E	33	N			0.4	7	ANDAMAN ISLANDS, INDIA
04	15	59	19.8&	35.857	S	70.639	W	194					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
04	16	02	32.7	9.901	S	115.636	E	33	N	3.6		0.7	12	SOUTH OF BALI, INDONESIA
04	16	33	10.3?	2.79	S	128.39	E	33	N	4.2		0.9	8	CERAM SEA
04	18	17	37.2&	9.000	N	79.569	W	22					4	PANAMA. <UPA>. MD 3.2 (UPA).
04	19	16	16.2?	23.83	S	179.82	E	600	G	4.2		0.6	12	SOUTH OF FIJI ISLANDS
04	19	21	44.0*	10.223	S	108.179	E	33	N	3.8		0.8	11	SOUTH OF JAWA, INDONESIA
04	19	27	04.6*	15.915	S	69.490	W	252	*	3.8		1.2	12	PERU-BOLIVIA BORDER REGION
04	19	42	50.1&	39.365	N	28.127	E	5					5	TURKEY. <ISK>. MD 2.7 (ISK).
04	21	01	07.1&	38.330	N	21.750	E	5					9	GREECE. <ATH>. ML 3.2 (ATH).
04	21	10	56.0*	16.326	S	173.936	W	96	D	4.5		0.8	14	TONGA ISLANDS
04	21	43	50.4*	36.005	N	140.670	E	93	*	4.0		0.8	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in Ibaraki and southern Tochigi; (I JMA) in northern Chiba, eastern Fukushima, northern Gumma and northern Saitama Prefectures.
04	22	22	31.3*	4.363	S	152.842	E	33	N	4.3		1.2	18	NEW BRITAIN REGION, P.N.G.
04	22	50	22.4*	51.544	N	179.252	W	33	N	4.4		0.4	10	ANDREANOF ISLANDS, ALEUTIAN IS.
04	23	39	29.5&	43.100	N	0.700	W	2					6	PYRENEES. <LDG>. ML 2.0 (LDG).
04	23	40	07.4	39.493	N	73.620	E	42	*	5.0	4.1	0.9	98	TAJIKISTAN-XINJIANG BORDER REG.
04	23	59	43.9&	36.840	N	4.430	W	71					13	STRAIT OF GIBRALTAR. <MDD>.
05	00	25	31.3?	10.10	S	110.53	E	33	N	3.5		1.5	9	SOUTH OF JAWA, INDONESIA
05	00	43	46.6&	38.380	N	0.140	W	10					6	SPAIN. <MDD>. mbLg 2.0 (MDD).
05	00	55	33.7&	37.150	N	3.160	W	15					5	SPAIN. <MDD>. mbLg 1.4 (MDD).
05	01	00	04.5%	40.239	S	174.463	E	108	?			0.9	10	COOK STRAIT, NEW ZEALAND
05	01	45	59.3&	19.200	N	69.950	W	75					4	DOMINICAN REPUBLIC REGION. <MPR>.
05	01	55	32.6&	37.000	N	3.870	W	0	G				12	SPAIN. <MDD>. mbLg 2.3 (MDD).
05	02	22	52.3*	32.348	S	67.329	W	150	G			1.3	8	MENDOZA PROVINCE, ARGENTINA
05	03	10	58.9&	44.711	N	8.840	E	13					24	NORTHERN ITALY. <GEN>. ML 2.7 (GEN), 2.5 (LDG).
05	03	45	17.5	10.322	S	78.364	W	51		5.4	4.6	0.8	133	NEAR COAST OF PERU. Mw 5.3 (HRV). Felt at Barranca, Chimbote, Huaraz and Trujillo. Also felt by people in high-rise buildings at Lima. Centroid, Moment Tensor (HRV): Centroid origin time 03:45:19.2; Lat 10.43 S; Lon 78.86 W; Dep 47.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.25, Plg=68, Azm=233; (N) Val=-0.37, Plg=5, Azm=334; (P) Val=-8.89, Plg=22, Azm=66; Best double couple: Mo=9.1*10**16 Nm; NP1: Strike=165, Dip=24, Slip=102; NP2: Strike=332, Dip=67, Slip=85.
05	03	49	53.6&	38.960	N	20.760	E	5					9	GREECE. <ATH>. MD 3.1 (ATH).
05	04	11	36.2&	33.934	N	116.950	W	7					29	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
05	04	12	09.4	28.521	N	142.669	E	33	N	4.5		1.1	29	BONIN ISLANDS REGION
05	05	00	52.2*	20.159	N	121.623	E	53	D	4.3		0.8	19	PHILIPPINE ISLANDS REGION
05	05	00	58.1&	31.736	S	72.208	W	22					10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
05	05	05	14.7&	42.130	N	8.170	W	6					6	SPAIN. <MDD>. mbLg 2.5 (MDD).
05	05	15	36.6*	6.692	S	105.323	E	65	*			1.1	12	SUNDA STRAIT
05	05	34	24.0?	23.91	S	179.64	W	481	?	4.3		1.2	21	SOUTH OF FIJI ISLANDS
05	06	40	05.8	28.531	N	142.548	E	40	D	4.9	4.9	1.2	72	BONIN ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:40:06.6; Lat 27.87 N; Lon 142.40 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.31, Plg=50, Azm=240; (N) Val=-0.24, Plg=14, Azm=347; (P) Val=-1.07, Plg=37, Azm=88; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=230, Dip=15, Slip=154; NP2: Strike=346, Dip=83, Slip=76.
05	06	46	14.1&	43.440	N	5.440	E	1	G				13	NEAR SOUTH COAST OF FRANCE. <STR>. ML 3.1 (STR). Mining induced event in the Gardanne area.
05	07	17	29.0&	44.787	N	7.523	E	33					22	NORTHERN ITALY. <GEN>. ML 2.5 (GEN), 2.1 (LDG).
05	07	26	12.5&	34.650	S	72.262	W	30					9	NEAR COAST OF CENTRAL CHILE. <GUC>.
05	07	30	36.5&	32.325	S	71.429	W	41					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
05	07	46	45.3&	40.701	N	30.866	E	10	G				6	TURKEY. <ISK>. MD 3.0 (ISK).
05	07	50	30.2&	18.830	N	67.230	W	10					4	MONA PASSAGE. <MPR>. MD 3.0 (MPR).
05	08	56	00.2	31.763	S	72.065	W	26	D	4.5		0.9	29	OFF COAST OF CENTRAL CHILE. MD 4.7 (GUC).
05	09	11	55.0&	32.342	S	71.409	W	44					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
05	09	23	21.0	51.673	N	16.158	E	5	G			0.7	12	POLAND. ML 3.4 (VIE), 2.9 (CLL).
05	10	07	23.0&	39.805	N	29.292	E	7					18	TURKEY. <ISK>. MD 3.3 (ISK).
05	10	12	41.3?	63.88	N	165.68	W	10	G			0.7	7	BERING STRAIT. ML 3.7 (PMR).
05	10	53	06.8?	7.33	S	128.92	E	150	G	3.8		0.9	6	BANDA SEA
05	11	21	39.8*	20.991	S	68.179	W	170	*	4.2		1.1	34	CHILE-BOLIVIA BORDER REGION
05	11	30	15.3&	31.656	S	70.965	W	111					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
05	12	02	21.9*	0.767	N	126.191	E	33	N	4.5		1.1	14	NORTHERN MOLUCCA SEA
05	13	13	03.6	39.895	N	30.371	E	10	G			1.2	7	TURKEY

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05  13 46 45.5& 40.869 N   32.525 E   10 G  3.9          44  TURKEY. <ISK>. MD 3.9 (ISK).
05  13 51 36.9? 31.01  N  142.01  E   33 N  4.6      1.1  7  SOUTH OF HONSHU, JAPAN
05  14 04 14.4& 32.880 S   69.850 W  121                10  MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.5 (GUC).
05  14 39 02.4& 58.305 N  143.415 W   10 G                1  GULF OF ALASKA. <AEIC>. ML 2.5 (AEIC).
05  14 40 41.6& 44.130 N    7.030 W   16                  6  NORTH ATLANTIC OCEAN. <MDD>. mbLg 2.6 (MDD).
05  14 41 00.6  23.803 N  108.727 W   10 G  4.8      1.1 61  GULF OF CALIFORNIA
05  14 44 09.7* 23.965 N  108.484 W   10 G  3.7      1.2 13  GULF OF CALIFORNIA
05  14 46 37.5*  7.376 S  128.130 E  108 ?  4.6      1.3 26  BANDA SEA
05  14 47 02.8  23.643 N  108.787 W   10 G  5.4 5.1  1.3 142 GULF OF CALIFORNIA. Mw 5.5 (HRV).
                                                            Centroid, Moment Tensor (HRV): Centroid origin time
                                                             14:47:08.6; Lat 24.21 N; Lon 108.90 W; Dep 15.0 Fix; Half-
                                                             duration 1.3 sec; Principal axes (scale 10**17 Nm): (T)
                                                             Val=1.94, Plg=6, Azm=113; (N) Val=-0.21, Plg=1, Azm=203;
                                                             (P) Val=-1.73, Plg=84, Azm=301; Best double couple:
                                                             Mo=1.8*10**17 Nm; NP1: Strike=202, Dip=39, Slip=-91; NP2:
                                                             Strike=24, Dip=51, Slip=-89.
05  14 51 04.4? 23.70  N  108.98  W   10 G          1.3  11  GULF OF CALIFORNIA
05  14 57 26.2& 34.389 S   70.656 W  110                 9  CHILE-ARGENTINA BORDER REGION. <GUC>.
05  15 45 37.9*  3.796 S  130.134 E  100 G  4.4      1.2  9  SERAM, INDONESIA
05  15 45 45.4& 45.370 N    2.500 E    2 G                4  FRANCE. <STR>. ML 2.1 (STR).
05  15 53 02.0& 32.623 S   71.694 W   14                 9  NEAR COAST OF CENTRAL CHILE. <GUC>.
05  16 00 30.0*  5.108 S  103.848 E   79 ?  4.8      1.0 35  SOUTHERN SUMATERA, INDONESIA
05  16 35 27.3* 38.772 N   99.599 E   33 N  4.4      0.9  8  QINGHAI, CHINA
05  18 04 42.0? 46.28  N   15.43  E   10 G          0.7  4  NORTHWESTERN BALKAN REGION. ML 1.1 (LJU).
05  18 05 24.3  12.867 N  125.036 E   33 N  5.4 5.4  1.1 157 SAMAR, PHILIPPINE ISLANDS. Mw 5.9 (HRV).
                                                            Centroid, Moment Tensor (HRV): Centroid origin time
                                                             18:05:25.4; Lat 12.96 N; Lon 124.80 E; Dep 26.1; Half-
                                                             duration 2.0 sec; Principal axes (scale 10**17 Nm): (T)
                                                             Val=7.99, Plg=19, Azm=344; (N) Val=-0.91, Plg=31, Azm=242;
                                                             (P) Val=-7.08, Plg=52, Azm=101; Best double couple:
                                                             Mo=7.5*10**17 Nm; NP1: Strike=113, Dip=37, Slip=-32; NP2:
                                                             Strike=230, Dip=71, Slip=-123.
05  18 16 03.1* 12.888 N  124.853 E   33 N  4.5      1.0 23  SAMAR, PHILIPPINE ISLANDS
05  18 25 34.1& 32.664 S   71.518 W   16                 7  NEAR COAST OF CENTRAL CHILE. <GUC>.
05  18 28 32.4* 12.794 N  124.870 E   33 N  4.6      1.1 19  SAMAR, PHILIPPINE ISLANDS
05  18 31 25.4*  2.674 N   66.143 E   10 G  4.9      1.2 39  CARLSBERG RIDGE
05  18 35 53.1?  5.74  S  130.73  E   33 N  3.6      1.4  9  BANDA SEA
05  18 44 56.9* 12.743 N  124.727 E   33 N  4.5      1.0 17  SAMAR, PHILIPPINE ISLANDS
05  19 22 23.5* 12.857 N  125.046 E   33 N  4.8 4.0  1.3 32  SAMAR, PHILIPPINE ISLANDS
05  20 09 17.5* 12.698 N  124.800 E   33 N          1.3  9  SAMAR, PHILIPPINE ISLANDS
05  20 09 55.5  15.613 S  177.990 W   33 N  5.0 5.3  1.2 60  FIJI ISLANDS REGION. Mw 5.6 (HRV).
                                                            Centroid, Moment Tensor (HRV): Centroid origin time
                                                             20:09:59.9; Lat 15.28 S; Lon 177.99 W; Dep 15.0 Fix; Half-
                                                             duration 1.5 sec; Principal axes (scale 10**17 Nm): (T)
                                                             Val=3.59, Plg=18, Azm=112; (N) Val=-0.68, Plg=63, Azm=342;
                                                             (P) Val=-2.91, Plg=19, Azm=208; Best double couple:
                                                             Mo=3.2*10**17 Nm; NP1: Strike=250, Dip=63, Slip=-1; NP2:
                                                             Strike=340, Dip=89, Slip=-153.
05  20 18 17.2* 51.036 N   15.794 E    5 G          1.3  6  POLAND. ML 3.3 (VIE), 2.6 (WAR).
05  20 23 35.0& 38.330 N   21.750 E   10                 6  GREECE. <ATH>. ML 3.1 (ATH).
05  20 33 56.0& 34.679 S   72.472 W   17                10  NEAR COAST OF CENTRAL CHILE. <GUC>.
05  21 04 30.7&  6.982 N   78.578 W   24                 5  SOUTH OF PANAMA. <UPA>. MD 3.4 (UPA).
05  21 09 59.0* 45.201 N   14.869 E   10 G          1.0  7  NORTHWESTERN BALKAN REGION. ML 1.7 (LJU).
05  21 15 42.5* 12.707 N  124.823 E   33 N  4.6      1.3 24  SAMAR, PHILIPPINE ISLANDS
05  21 42 12.5* 12.744 N  124.712 E   33 N  4.6      0.9 17  SAMAR, PHILIPPINE ISLANDS
05  21 52 03.1& 39.285 N   26.836 E    5                24  TURKEY. <ISK>. MD 3.8 (ATH), 3.6 (ISK).
05  21 59 48.4  46.450 N   32.153 E   33 N  3.6      1.5 14  UKRAINE-MOLDOVA-SW RUSSIA REGION
05  22 01 43.4& 37.553 N  118.799 W    4                 5  CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
05  22 09 36.3& 39.112 N   26.416 E   10 G              4  TURKEY. <ISK>. MD 3.0 (ISK).
05  23 19 02.6  42.048 N  140.967 E  114 *  4.4      0.8 38  HOKKAIDO, JAPAN  REGION
05  23 32 29.7& 38.111 N   28.755 E    5                15  TURKEY. <ISK>. MD 3.7 (ATH), 3.2 (ISK).
05  23 33 00.1& 38.020 N   21.650 E    5                 5  GREECE. <ATH>. ML 3.2 (ATH).
05  23 43 11.4& 38.145 N   28.739 E    5                 6  TURKEY. <ISK>. MD 2.9 (ISK).
05  23 55 23.4& 33.750 S   70.166 W    6                12  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
06  02 39 25.2&  8.367 N   82.585 W   36                 5  PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 2.8 (UPA).
06  02 41 33.0? 46.21  N   15.26  E   10 G          0.3  4  NORTHWESTERN BALKAN REGION. ML 1.3 (LJU).
06  02 50 06.9& 33.155 S   70.371 W  107                13  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
06  02 58 02.3& 43.997 N    7.996 E    8                 9  NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.3 (GEN).
06  03 12 38.0? 45.93  N   15.20  E   10 G          0.1  4  NORTHWESTERN BALKAN REGION. ML 1.2 (LJU).
06  03 17 10.8* 12.710 N  124.476 E   33 N  4.6      0.8 23  SAMAR, PHILIPPINE ISLANDS
06  03 38 56.2*  6.252 S  130.240 E  141 *  4.6      1.0 19  BANDA SEA
06  04 14 55.9* 39.035 N   42.443 E   10 G  4.1      1.5 15  TURKEY. MD 3.9 (ISK).
06  05 01 59.0* 11.610 N  143.035 E   80 ?  4.4      0.7 10  SOUTH OF MARIANA ISLANDS
06  05 04 02.0& 44.670 N  110.020 W   10 G              7  YELLOWSTONE REGION, WYOMING. <BUT-P>. MD 2.9 (BUT).
06  06 02 44.4? 17.94  N  122.32  E   33 N  4.1      1.5  8  LUZON, PHILIPPINE ISLANDS
06  08 01 11.4* 44.432 S   79.112 W   10 G  4.9 5.3  1.4 19  OFF COAST OF SOUTHERN CHILE. Mw 5.9 (HRV).
                                                            Centroid, Moment Tensor (HRV): Centroid origin time
                                                             08:01:20.4; Lat 44.52 S; Lon 79.34 W; Dep 15.0 Bdy; Half-
                                                             duration 1.9 sec; Principal axes (scale 10**17 Nm): (T)
                                                             Val=9.20, Plg=21, Azm=214; (N) Val=-1.95, Plg=67, Azm=9;
                                                             (P) Val=-7.26, Plg=9, Azm=121; Best double couple:
                                                             Mo=8.2*10**17 Nm; NP1: Strike=256, Dip=69, Slip=171; NP2:
                                                             Strike=349, Dip=82, Slip=22.
06  08 36 55.4   2.322 N  126.197 E  136 *  4.8      0.9 37  NORTHERN MOLUCCA SEA
06  08 36 55.4  30.319 S  178.116 W  150 G  4.9      1.0 53  KERMADEC ISLANDS, NEW ZEALAND
06  09 02 00.7* 18.684 S   69.348 W  133 *              1.5 11  NORTHERN CHILE. Felt (II) at Arica.
06  09 08 34.4*  0.844 S  122.441 E   33 N              1.0  7  MINAHASSA PENINSULA, SULAWESI
06  09 27 54.8& 39.632 N   29.562 E   10 G              5  TURKEY. <ISK>. MD 2.6 (ISK).
06  09 31 06.4& 39.202 N   27.469 E   10 G              4  TURKEY. <ISK>. MD 2.7 (ISK).
06  09 34 55.2& 38.210 N    0.110 E    4                46  SPAIN. <MDD>. ML 3.6 (LDG). mbLg 3.4 (MDD). Felt (III) at
                                                             Alicante.
06  09 35 09.7& 41.532 N   19.663 E   12     3.9         25  ALBANIA. <PDG>. ML 3.5 (ROM), 3.4 (PDG).
06  09 35 37.8& 60.520 N  153.496 W  159                 4  SOUTHERN ALASKA. <AEIC>.
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06	09	36	33.0*	12.849	N	124.899	E	33	N		0.5	7	SAMAR, PHILIPPINE ISLANDS
06	09	41	24.6&	39.664	N	29.475	E	14				6	TURKEY. <ISK>. MD 2.6 (ISK).
06	10	10	35.2	12.817	N	124.806	E	33	N	5.1 4.2	1.0	74	SAMAR, PHILIPPINE ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:10:30.9; Lat 12.67 N; Lon 124.89 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.12, Plg=10, Azm=332; (N) Val=-0.10, Plg=38, Azm=70; (P) Val=-8.02, Plg=50, Azm=230; Best double couple: Mo=8.1*10**16 Nm; NP1: Strike=26, Dip=48, Slip=-146; NP2: Strike=271, Dip=65, Slip=-48.
06	10	29	15.1	12.900	N	124.896	E	33	N	4.7	1.1	37	SAMAR, PHILIPPINE ISLANDS
06	10	32	23.7*	39.106	N	39.961	E	10	G	4.1	1.2	9	TURKEY. MD 4.0 (ISK).
06	10	58	53.8*	11.825	N	143.932	E	33	N		1.0	8	SOUTH OF MARIANA ISLANDS
06	11	00	51.4&	34.999	S	71.224	W	87				7	NEAR COAST OF CENTRAL CHILE. <GUC>.
06	11	10	24.0&	33.390	S	70.845	W	67				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
06	11	24	06.5	0.777	N	126.099	E	33	N	4.9	1.1	48	NORTHERN MOLUCCA SEA
06	12	13	18.6	51.630	N	16.193	E	5	G		0.6	25	POLAND. ML 4.1 (GRF), 3.8 (FUR), 3.7 (VIE), 3.6 (WAR).
06	12	24	07.2	21.806	S	67.162	W	210	D	4.9	1.2	94	CHILE-BOLIVIA BORDER REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:24:15.8; Lat 21.74 S; Lon 66.57 W; Dep 213.4; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.91, Plg=40, Azm=83; (N) Val=0.28, Plg=3, Azm=350; (P) Val=-1.18, Plg=49, Azm=257; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=202, Dip=5, Slip=-58; NP2: Strike=350, Dip=86, Slip=-93.
06	12	50	27.8	37.814	N	35.228	E	10	G		0.3	6	TURKEY
06	13	43	38.5&	62.964	N	150.909	W	111				8	CENTRAL ALASKA. <AEIC>.
06	13	45	59.3&	39.568	N	29.713	E	15				4	TURKEY. <ISK>. MD 2.5 (ISK).
06	13	49	38.6&	32.961	S	70.235	W	101				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 1.9 (GUC).
06	14	09	49.3&	39.275	N	28.260	E	11				4	TURKEY. <ISK>. MD 2.7 (ISK).
06	14	22	58.6&	8.542	N	77.754	W	7				8	PANAMA-COLOMBIA BORDER REGION. <UPA>. MD 4.2 (UPA).
06	14	34	37.7*	12.787	N	124.737	E	33	N	4.6	0.9	17	SAMAR, PHILIPPINE ISLANDS
06	14	43	47.9*	23.825	S	179.926	E	550	G	4.5	1.0	29	SOUTH OF FIJI ISLANDS
06	14	58	59.0*	37.111	N	71.133	E	86	D	4.0	1.1	14	AFGHANISTAN-TAJIKISTAN BORD REG.
06	15	01	23.5&	62.287	N	142.907	W	0				3	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
06	15	55	59.0?	6.91	S	126.86	E	413	*	4.0	0.6	10	BANDA SEA
06	15	57	48.7&	41.199	N	19.929	E	6				9	ALBANIA. <PDG>. ML 2.6 (PDG).
06	16	03	40.3?	8.47	S	115.10	E	100	G		1.5	4	BALI REGION, INDONESIA
06	16	19	26.7&	8.110	N	77.556	W	10				8	PANAMA-COLOMBIA BORDER REGION. <UPA>. MD 4.1 (UPA).
06	16	46	30.2?	12.82	N	124.73	E	33	N	4.2	1.2	7	SAMAR, PHILIPPINE ISLANDS
06	17	48	07.0?	17.06	S	172.94	W	33	N		0.6	5	TONGA ISLANDS REGION
06	18	00	26.8?	12.85	N	124.75	E	33	N		0.9	5	SAMAR, PHILIPPINE ISLANDS
06	18	34	42.6&	39.424	N	27.879	E	9				8	TURKEY. <ISK>. MD 2.8 (ISK).
06	20	19	10.6&	38.989	S	175.562	E	100	G		1.5	12	NORTH ISLAND, NEW ZEALAND
06	20	22	38.1?	8.48	S	115.27	E	200	G		0.5	4	BALI REGION, INDONESIA
06	20	29	24.1	11.061	N	92.461	E	33	N	5.0 4.2	1.0	64	ANDAMAN ISLANDS, INDIA
06	20	45	45.3	11.012	N	92.511	E	33	N	4.7	1.0	29	ANDAMAN ISLANDS, INDIA
06	21	37	58.6	36.527	N	68.185	E	33	N	4.6 3.9	1.0	45	HINDU KUSH REGION, AFGHANISTAN. Felt at Kabul.
06	21	40	02.0*	0.408	S	135.427	E	33	N	4.4	1.3	15	IRIAN JAYA REGION, INDONESIA
06	22	52	09.3	11.052	N	92.514	E	33	N	5.2 4.6	1.0	134	ANDAMAN ISLANDS, INDIA. Mw 5.2 (GS), 5.2 (HRV). Moment Tensor (GS): Dep 26; Principal axes (scale 10**16 Nm): (T) Val=5.90, Plg=65, Azm=112; (N) Val=1.37, Plg=0, Azm=22; (P) Val=-7.27, Plg=25, Azm=292; Best double couple: Mo=6.6*10**16 Nm; NP1: Strike=21, Dip=20, Slip=90; NP2: Strike=202, Dip=70, Slip=90. Centroid, Moment Tensor (HRV): Centroid origin time 22:52:10.2; Lat 10.93 N; Lon 92.23 E; Dep 22.0 Bdy; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.21, Plg=56, Azm=74; (N) Val=-1.09, Plg=3, Azm=339; (P) Val=-6.13, Plg=34, Azm=246; Best double couple: Mo=6.7*10**16 Nm; NP1: Strike=321, Dip=11, Slip=72; NP2: Strike=159, Dip=79, Slip=94.
06	22	59	53.6&	39.736	N	28.948	E	5				4	TURKEY. <ISK>. MD 2.5 (ISK).
06	23	24	51.9*	38.104	N	31.703	W	10	G	4.2	1.1	10	AZORES ISLANDS REGION
06	23	56	21.6	47.119	N	93.309	E	33	N	4.6	1.4	26	MONGOLIA
07	00	41	40.7&	43.991	N	8.007	E	8				5	CORSICA. <GEN>.
07	00	54	01.5&	37.470	N	3.580	W	15				12	SPAIN. <MDD>. mbLg 2.1 (MDD).
07	02	15	54.0&	49.500	N	1.900	W	3				6	FRANCE. <LDG>. ML 2.1 (LDG).
07	02	18	38.9&	39.500	N	0.630	W	15				5	SPAIN. <MDD>. mbLg 1.9 (MDD).
07	02	43	35.0&	46.710	N	112.020	W	5				3	MONTANA. <BUT-P>. MD 2.5 (BUT). Felt at Helena.
07	03	46	08.1&	10.332	N	62.162	W	14				4	NEAR COAST OF VENEZUELA. <TRN>. MD 3.2 (TRN).
07	04	56	34.9&	31.570	S	72.320	W	19				9	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
07	05	02	13.4*	22.486	S	68.899	W	33	N		1.0	8	NORTHERN CHILE
07	05	03	17.3	31.525	S	72.349	W	33	N	4.3	1.1	30	OFF COAST OF CENTRAL CHILE. MD 4.7 (GUC).
07	05	16	10.1&	33.819	S	71.756	W	39				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
07	05	19	42.6&	31.898	S	72.187	W	8				14	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
07	05	30	18.9	16.006	S	172.482	W	33	N	4.6	0.7	26	SAMOA ISLANDS REGION
07	05	35	41.5	41.592	N	142.109	E	79	D	4.7	1.1	94	HOKKAIDO, JAPAN REGION
07	05	38	31.2&	31.694	S	72.238	W	22				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
07	06	12	57.0&	44.332	N	7.302	E	13				4	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
07	06	37	29.9*	37.007	N	44.725	E	33	N		1.2	9	TURKEY-IRAN BORDER REGION
07	06	38	45.7&	31.792	S	72.250	W	20				11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
07	08	28	38.6	13.809	N	91.578	W	33	N	4.6 4.1	1.0	39	NEAR COAST OF GUATEMALA
07	08	41	56.8&	35.930	N	25.440	E	28				4	CRETE. <ATH>. MD 3.5 (ATH).
07	08	55	52.8&	8.828	N	77.809	W	10				7	PANAMA-COLOMBIA BORDER REGION. <UPA>. MD 3.6 (UPA).
07	08	57	34.5&	39.688	N	29.475	E	10	G			5	TURKEY. <ISK>. MD 2.6 (ISK).
07	09	07	42.0	50.640	N	149.888	E	504		4.5	0.6	85	SEA OF OKHOTSK
07	09	12	24.4&	39.668	N	29.449	E	7				10	TURKEY. <ISK>. MD 2.5 (ISK).
07	09	26	22.6&	39.979	N	29.039	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
07	09	58	21.9&	39.718	N	29.656	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
07	10	54	08.6&	35.305	S	71.423	W	62				9	CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
07	11	06	06.8*	3.097	S	69.047	E	10	G	4.7	1.1	15	CHAGOS ARCHIPELAGO REGION
07	11	06	18.8&	35.291	S	72.759	W	15				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).

07	11	13	50.6	28.210	N	129.387	E	42	*	4.8	1.1	45	RYUKYU ISLANDS. Felt (III JMA) on Amami O-shima and (I JMA) on Kikai-shima.
07	11	27	25.1&	46.200	N	6.900	E	2				12	SWITZERLAND. <LDG>. ML 2.3 (LDG).
07	11	54	48.2?	17.57	S	167.85	E	33	N		1.3	6	VANUATU ISLANDS
07	12	23	47.0&	41.395	N	28.137	E	8				6	TURKEY. <ISK>. MD 2.8 (ISK).
07	12	29	48.0	16.159	N	94.972	W	33	N	4.6 4.3	0.9	42	OAXACA, MEXICO
07	13	17	40.1*	20.329	S	70.696	W	75	*	4.4	0.8	13	NEAR COAST OF NORTHERN CHILE
07	13	30	24.1*	36.449	N	70.748	E	200	G	3.8	1.2	14	HINDU KUSH REGION, AFGHANISTAN
07	14	03	29.3&	42.800	N	7.130	W	3				5	SPAIN. <MDD>. mbLg 2.5 (MDD).
07	14	12	19.9*	42.931	N	143.551	E	89	*	4.2	1.0	15	HOKKAIDO, JAPAN REGION. Felt (I JMA) in south-central Hokkaido.
07	14	20	57.7	11.344	N	86.934	W	67	*	4.7	1.0	58	NEAR COAST OF NICARAGUA. MD 5.2 (UPA), 5.1 (SJR).
07	14	45	51.5&	39.585	N	29.589	E	10	G			4	TURKEY. <ISK>. MD 2.5 (ISK).
07	14	53	02.3*	52.310	N	152.654	E	467	*		1.0	11	NORTHWEST OF KURIL ISLANDS
07	15	22	00.9*	50.096	N	7.808	E	10	G		1.4	12	GERMANY. ML 2.7 (LDG), 2.3 (STR), 2.1 (UCC).
07	16	00	32.0&	62.511	N	150.847	W	77				20	CENTRAL ALASKA. <AEIC>.
07	16	16	54.6	50.255	N	7.770	E	10	G		0.9	39	GERMANY. ML 3.4 (STR), 3.4 (LDG), 3.3 (UCC), 3.2 (VIE), 3.1 (CLL), 3.1 (FBB), 3.1 (GRF).
07	17	48	51.7&	32.775	S	69.159	W	21				11	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.6 (GUC).
07	18	07	56.0&	31.108	S	70.271	W	161				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
07	18	24	33.8?	5.24	S	102.79	E	33	N		1.0	10	SOUTHERN SUMATERA, INDONESIA
07	18	26	03.2&	32.707	S	72.003	W	13				9	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
07	18	46	29.6	31.087	S	67.828	W	10	G		1.5	21	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (GUC).
07	18	51	44.5&	32.290	S	71.414	W	42				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
07	18	56	42.7	7.529	S	127.756	E	112	*	4.3	0.9	18	BANDA SEA
07	19	44	32.8*	14.912	N	54.899	E	33	N	4.4	1.0	15	ARABIAN SEA
07	20	21	34.1*	14.885	S	167.302	E	137	?	4.6	0.9	31	VANUATU ISLANDS
07	20	22	35.6*	51.516	N	16.337	E	5	G		0.6	7	POLAND. ML 3.1 (VIE).
07	20	38	57.1&	35.654	N	31.588	E	10	G			38	CYPRUS REGION. <ISK>. MD 3.8 (ISK).
07	21	19	34.7	31.248	S	72.220	W	10	G		1.2	30	OFF COAST OF CENTRAL CHILE. MD 4.5 (GUC).
07	22	34	06.5?	51.58	N	16.07	E	5	G		0.4	5	POLAND. ML 3.0 (VIE), 2.6 (WAR).
07	22	43	25.9&	49.400	N	8.300	E	2				14	GERMANY. <LDG>. ML 2.3 (LDG), 1.9 (STR).
07	22	53	04.0&	37.983	N	14.344	E	10	G			13	SICILY. <ROM>. ML 3.2 (ROM).
07	23	13	54.2?	0.78	N	28.88	W	10	G		0.4	5	CENTRAL MID-ATLANTIC RIDGE
07	23	48	21.2*	56.762	N	152.179	W	33	N	4.4	1.1	24	KODIAK ISLAND REGION. ML 4.0 (PMR).
08	00	00	51.0&	39.300	N	3.730	W	0				7	SPAIN. <MDD>. mbLg 1.3 (MDD).
08	00	02	42.3&	31.267	S	71.921	W	15				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
08	00	05	32.9	30.385	S	177.608	W	33	N	5.4 5.3	1.1	71	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 00:05:37.3; Lat 30.06 S; Lon 177.15 W; Dep 23.3; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.79, Plg=52, Azm=325; (N) Val=0.28, Plg=15, Azm=215; (P) Val=-2.07, Plg=34, Azm=115; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=160, Dip=18, Slip=34; NP2: Strike=37, Dip=80, Slip=105.
08	00	24	18.2	36.216	N	112.470	W	5	G		0.5	13	WESTERN ARIZONA. ML 3.3 (GS). Felt at Phantom Ranch.
08	00	40	04.3&	33.056	S	68.926	W	19				12	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.6 (GUC).
08	00	42	02.8*	43.666	N	143.059	E	172	*		1.0	10	HOKKAIDO, JAPAN REGION
08	00	55	35.6&	46.700	N	2.100	W	2				12	BAY OF BISCAY. <LDG>. ML 2.4 (LDG).
08	00	57	59.0&	38.889	N	29.965	E	10	G			6	TURKEY. <ISK>. MD 2.9 (ISK).
08	01	13	41.6*	12.736	N	124.657	E	33	N	4.5	0.9	15	SAMAR, PHILIPPINE ISLANDS
08	01	33	30.5*	30.159	S	177.417	W	116	?	4.5	0.8	18	KERMADEC ISLANDS, NEW ZEALAND
08	01	55	26.9*	11.549	N	86.563	W	88	*	4.5	1.2	51	NEAR COAST OF NICARAGUA
08	02	01	52.0&	31.721	S	70.444	W	137				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
08	02	15	27.8&	32.971	S	70.809	W	70				14	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.1 (GUC). Felt (II) at Santiago and Valparaiso, Chile.
08	02	59	16.9*	53.608	N	161.645	E	33	N	4.5	1.3	26	OFF EAST COAST OF KAMCHATKA
08	03	12	09.5?	11.72	N	123.42	E	400	G	3.8	1.2	14	CEBU, PHILIPPINE ISLANDS
08	03	49	28.5&	9.613	N	79.287	W	35				4	PANAMA. <UPA>. MD 2.8 (UPA).
08	03	54	51.1	30.164	S	177.462	W	33	N	5.0	1.1	35	KERMADEC ISLANDS, NEW ZEALAND
08	04	00	32.1*	13.754	N	91.544	W	33	N	4.3	1.1	28	NEAR COAST OF GUATEMALA
08	04	15	40.1&	48.137	N	119.307	W	5				40	WASHINGTON. <SEA-P>. MD 2.7 (SEA). ML 2.6 (PGC).
08	04	35	36.1&	55.529	N	162.884	E	33	N		0.6	6	NEAR EAST COAST OF KAMCHATKA
08	04	56	10.8	56.667	N	151.961	W	33	N	3.8	0.9	30	KODIAK ISLAND REGION. ML 3.8 (PMR), 3.3 (AEIC).
08	04	57	33.4&	44.074	N	7.972	E	8				7	NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
08	04	57	54.0&	44.090	N	7.975	E	9				4	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
08	05	00	53.2	7.262	S	127.081	E	263	D	5.3	1.0	88	BANDA SEA. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:00:57.8; Lat 7.28 S; Lon 127.21 E; Dep 281.9; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=4.01, Plg=50, Azm=184; (N) Val=0.11, Plg=22, Azm=304; (P) Val=-4.12, Plg=31, Azm=48; Best double couple: Mo=4.1*10**17 Nm; NP1: Strike=186, Dip=25, Slip=154; NP2: Strike=299, Dip=79, Slip=67.
08	05	18	14.3&	31.775	S	72.360	W	19				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
08	05	37	20.0*	56.489	S	86.748	W	10	G	4.5	1.0	25	SOUTHERN PACIFIC OCEAN
08	06	10	29.3*	47.174	N	9.540	E	10	G		1.2	9	GERMANY. ML 2.5 (STR), 2.3 (LDG), 2.2 (FBB).
08	06	57	37.3*	5.856	S	149.074	E	77	?	3.9	0.6	12	NEW BRITAIN REGION, P.N.G.
08	07	25	48.5	9.135	S	121.421	E	33	N	6.0 5.9	1.0	259	SAVU SEA. Mw 6.4 (HRV), 6.3 (GS). Me 5.9 (GS). Felt (V) at Ende, Maumere, Ruteng and Waingapu, Indonesia. Broadband Source Parameters (GS): Dep 54; NP1: Strike=270, Dip=86, Slip=-130; NP2: Strike=175, Dip=40, Slip=-6; Radiated energy 1.8*10**13 Nm. Moment Tensor (GS): Dep 61; Principal axes (scale 10**18 Nm): (T) Val=3.06, Plg=36, Azm=32; (N) Val=1.30, Plg=30, Azm=277; (P) Val=-4.36, Plg=39, Azm=158; Best double couple: Mo=3.7*10**18 Nm; NP1: Strike=183, Dip=30, Slip=-3; NP2: Strike=276, Dip=88, Slip=-120. Centroid, Moment Tensor (HRV): Centroid origin time 07:25:57.9; Lat 9.19 S; Lon 121.73 E; Dep 64.0 Bdy; Half-duration 3.7 sec; Principal axes (scale 10**18 Nm): (T) Val=3.87, Plg=37, Azm=5; (N) Val=-0.05, Plg=14, Azm=264; (P) Val=-3.82, Plg=50, Azm=157; Best double couple:

														Mo=3.8*10**18 Nm; NP1: Strike=147, Dip=16, Slip=-26; NP2: Strike=262, Dip=83, Slip=-104.
08	07	54	16.4*	56.715	N	152.227	W	33	N	4.1		1.0	22	KODIAK ISLAND REGION. ML 3.6 (PMR).
08	07	54	40.2*	2.712	N	97.905	E	100	G	3.9		1.4	9	NORTHERN SUMATERA, INDONESIA
08	08	27	46.7&	44.887	N	8.834	E	1					32	NORTHERN ITALY. <GEN>. ML 2.7 (GEN), 2.7 (STR), 2.3 (LDG).
08	09	07	43.0&	35.930	N	120.473	W	11					12	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.1 (PAS)
08	09	23	55.1	30.868	S	71.440	W	70	*			1.1	35	NEAR COAST OF CENTRAL CHILE. MD 4.6 (GUC).
08	09	33	48.5&	39.119	N	29.156	E	12					7	TURKEY. <ISK>. MD 2.8 (ISK).
08	09	59	14.8	9.814	N	93.886	E	142	*	4.5		0.9	35	NICOBAR ISLANDS, INDIA
08	10	30	00.8	56.731	N	152.065	W	33	N	5.2	5.0	1.2	208	KODIAK ISLAND REGION. Mw 5.7 (HRV). ML 5.1 (PMR), 4.8 (AEIC). Centroid, Moment Tensor (HRV): Centroid origin time 10:30:05.0; Lat 56.73 N Fix; Lon 152.07 W Fix; Dep 33.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=3.30, Plg=47, Azm=315; (N) Val=1.01, Plg=5, Azm=50; (P) Val=-4.31, Plg=43, Azm=144; Best double couple: Mo=3.8*10**17 Nm; NP1: Strike=299, Dip=5, Slip=159; NP2: Strike=50, Dip=88, Slip=85.
08	10	31	47.7?	56.14	N	152.16	W	33	N			1.2	18	KODIAK ISLAND REGION
08	10	35	04.6*	56.593	N	152.243	W	33	N	4.1		0.9	14	KODIAK ISLAND REGION
08	10	44	57.1*	56.678	N	152.124	W	33	N	4.0		1.1	25	KODIAK ISLAND REGION. ML 3.9 (PMR), 3.3 (AEIC).
08	10	46	16.1*	39.845	N	33.060	E	10	G			1.3	5	TURKEY
08	10	49	28.0*	36.413	N	70.397	E	217	*	4.2		0.8	21	HINDU KUSH REGION, AFGHANISTAN
08	11	07	42.4	56.561	N	151.918	W	33	N			0.9	40	KODIAK ISLAND REGION. ML 3.6 (AEIC), 3.5 (PMR).
08	11	16	10.6&	39.885	N	29.225	E	9					9	TURKEY. <ISK>. MD 2.7 (ISK).
08	11	24	08.2	56.590	N	152.038	W	33	N	4.4		1.0	44	KODIAK ISLAND REGION. ML 4.1 (PMR), 3.8 (AEIC).
08	11	38	29.7&	45.900	N	6.100	E	2					5	FRANCE. <LDG>. ML 2.1 (LDG).
08	12	02	34.6*	51.069	N	15.896	E	5	G			1.7	8	POLAND. ML 2.9 (VIE), 2.5 (WAR).
08	12	12	03.5&	30.980	S	69.788	W	202					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
08	12	18	24.1&	44.123	N	7.129	E	9					7	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
08	12	37	47.5*	0.217	S	125.017	E	33	N			0.8	9	SOUTHERN MOLUCCA SEA
08	12	40	43.4&	39.686	N	29.375	E	10	G				6	TURKEY. <ISK>. MD 2.6 (ISK).
08	12	40	45.7	35.510	N	139.898	E	93	D	4.9		0.8	89	NEAR S. COAST OF HONSHU, JAPAN. Felt (IV JMA) at Yokohama. Also felt in the Tokyo area.
08	12	41	21.2&	32.999	S	70.233	W	112					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
08	13	15	21.3&	7.808	N	82.865	W	1					6	SOUTH OF PANAMA. <UPA>. MD 3.7 (UPA).
08	13	27	17.7&	35.360	N	26.140	E	26					5	CRETE. <ATH>. MD 3.5 (ATH).
08	13	53	55.7&	62.469	N	151.144	W	89					32	CENTRAL ALASKA. <AEIC>.
08	14	07	26.0*	39.014	N	70.076	E	33	N	4.2		1.2	16	TAJIKISTAN
08	14	18	39.3	51.704	N	176.870	W	58		4.3		0.8	25	ANDREANOF ISLANDS, ALEUTIAN IS.
08	14	18	47.2&	40.468	N	29.229	E	5					8	TURKEY. <ISK>. MD 2.6 (ISK).
08	14	20	57.1&	59.845	N	153.210	W	123					26	SOUTHERN ALASKA. <AEIC>.
08	14	48	24.3*	53.859	N	161.873	E	33	N	4.3		1.4	15	OFF EAST COAST OF KAMCHATKA
08	15	00	43.0&	37.477	N	118.862	W	3					9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
08	15	10	30.9	44.292	N	128.488	W	10	G	4.2		1.1	31	OFF COAST OF OREGON
08	15	31	15.2&	44.700	N	4.900	E	2					9	FRANCE. <LDG>. ML 1.6 (LDG).
08	16	01	54.0&	44.557	N	6.773	E	0					6	FRANCE. <GEN>. ML 1.9 (GEN).
08	16	09	14.9&	45.400	N	6.400	E	2					5	FRANCE. <LDG>. ML 1.9 (LDG).
08	16	14	14.1*	6.527	S	154.475	E	33	N	4.1		1.3	14	SOLOMON ISLANDS
08	16	18	28.3	17.907	S	178.606	W	567	*	4.6		0.9	51	FIJI ISLANDS REGION
08	16	50	03.6&	41.460	N	7.570	W	10					14	PORTUGAL. <MDD>. mbLg 2.9 (MDD).
08	17	13	42.0&	36.450	N	2.850	W	7					6	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.5 (MDD).
08	17	15	21.8&	60.009	N	153.446	W	153					31	SOUTHERN ALASKA. <AEIC>.
08	18	03	33.0?	32.88	S	178.23	W	33	N	4.0		1.1	8	SOUTH OF KERMADEC ISLANDS
08	18	41	30.5&	59.913	N	152.545	W	77					36	SOUTHERN ALASKA. <AEIC>.
08	19	18	23.1*	29.132	N	51.509	E	33	N	4.1		1.1	11	SOUTHERN IRAN
08	19	50	38.7	29.571	N	51.324	E	33	N	4.8		1.0	66	SOUTHERN IRAN. Felt at Mamasani, Sepidan and Shiraz.
08	20	09	18.0&	38.830	N	122.800	W	2					6	NORTHERN CALIFORNIA. <GM-P>. MD 2.5 (GM).
08	20	50	58.3&	30.666	S	71.548	W	54					14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
08	21	22	05.8*	60.746	N	44.274	W	10	G	4.3		1.0	16	WESTERN GREENLAND
08	21	26	51.3*	41.611	N	142.648	E	79	*	4.5		1.2	21	HOKKAIDO, JAPAN REGION
08	21	30	23.0*	42.783	N	143.439	E	100	G	3.9		0.9	13	HOKKAIDO, JAPAN REGION
08	22	00	55.4&	30.634	S	71.836	W	53					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
08	22	33	41.8	40.127	N	15.882	E	10	G			1.4	18	SOUTHERN ITALY. ML 3.2 (ROM).
08	22	34	53.2	9.007	N	142.445	E	10	G	4.6	4.2	1.0	33	E. CAROLINE ISLANDS, MICRONESIA
08	23	22	16.9*	5.668	N	125.321	E	33	N	4.4		0.8	20	MINDANAO, PHILIPPINE ISLANDS
08	23	41	09.0*	5.701	N	126.328	E	33	N	4.6		0.9	17	MINDANAO, PHILIPPINE ISLANDS
08	23	48	47.8	51.334	N	179.925	W	33	N	5.0	4.5	0.9	160	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.1 (HRV). ML 5.1 (PMR). Felt (III) on Adak. Centroid, Moment Tensor (HRV): Centroid origin time 23:48:52.0; Lat 51.32 N; Lon 179.36 W; Dep 30.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.51, Plg=70, Azm=287; (N) Val=1.19, Plg=12, Azm=52; (P) Val=-5.70, Plg=16, Azm=146; Best double couple: Mo=5.1*10**16 Nm; NP1: Strike=253, Dip=31, Slip=114; NP2: Strike=46, Dip=62, Slip=76.
09	00	24	23.3?	30.36	S	178.12	W	300	G	3.9		1.0	14	KERMADEC ISLANDS, NEW ZEALAND
09	01	34	23.9?	30.63	S	178.27	W	300	G	4.2		1.2	15	KERMADEC ISLANDS, NEW ZEALAND
09	01	58	09.4?	43.28	N	9.79	E	10	G			0.3	8	CORSICA. ML 2.4 (LDG).
09	02	08	05.3&	42.970	N	2.110	W	2					17	SPAIN. <MDD>. mbLg 2.5 (MDD). ML 2.3 (LDG).
09	02	28	40.7&	37.663	N	27.284	E	6					18	TURKEY. <ISK>. MD 3.8 (ATH), 3.3 (ISK).
09	02	59	23.3?	3.97	N	95.21	E	65	?	4.5		1.1	20	OFF W COAST OF NORTHERN SUMATERA
09	03	00	41.1	51.417	N	179.884	W	33	N	4.5		1.0	56	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
09	03	09	37.4?	30.48	S	178.17	W	300	G	3.8		1.4	14	KERMADEC ISLANDS, NEW ZEALAND
09	03	47	24.7	38.949	N	70.238	E	39	*	4.7		1.0	43	AFGHANISTAN-TAJIKISTAN BORD REG.
09	03	48	57.6*	50.141	N	7.808	E	10	G			1.0	9	GERMANY. ML 2.4 (LDG), 1.9 (STR).
09	03	53	04.8&	37.095	N	30.805	E	10	G				30	TURKEY. <ISK>. MD 3.7 (ISK).
09	04	33	06.1*	23.702	N	123.600	E	33	N	4.7		1.0	27	SOUTHWESTERN RYUKYU ISLANDS
09	04	53	34.0&	46.200	N	2.700	E	6					6	FRANCE. <LDG>. ML 1.8 (LDG).
09	04	57	41.2	21.148	S	174.452	W	53	D	5.2		1.0	92	TONGA ISLANDS
09	05	21	41.7&	19.300	N	65.250	W	75					6	PUERTO RICO REGION. <MPR>. MD 3.7 (MPR).
09	05	30	14.4	6.954	S	129.022	E	33	N	6.1		1.0	277	BANDA SEA. Mw 6.7 (HRV), 6.5 (GS). Me 6.6 (GS). Felt (III) on Ambon, Indonesia. Also felt at Darwin, Australia. Broadband Source Parameters (GS): Dep 26; NP1: Strike=115,

Dip=65, Slip=135; NP2: Strike=228, Dip=50, Slip=33; Radiated energy 2.1*10**14 Nm.
Moment Tensor (GS): Dep 34; Principal axes (scale 10**18 Nm): (T) Val=5.92, Plg=69, Azm=165; (N) Val=1.72, Plg=17, Azm=305; (P) Val=-7.64, Plg=13, Azm=39; Best double couple: Mo=6.8*10**18 Nm; NP1: Strike=151, Dip=35, Slip=120; NP2: Strike=295, Dip=60, Slip=71.
Centroid, Moment Tensor (HRV): Centroid origin time 05:30:21.5; Lat 7.05 S; Lon 128.75 E; Dep 15.4; Half-duration 6.1 sec; Principal axes (scale 10**19 Nm): (T) Val=1.11, Plg=50, Azm=103; (N) Val=0.59, Plg=40, Azm=280; (P) Val=-1.69, Plg=2, Azm=11; Best double couple: Mo=1.4*10**19 Nm; NP1: Strike=134, Dip=56, Slip=141; NP2: Strike=248, Dip=59, Slip=41.

09	05	33	25.8*	36.350	N	70.897	E	228 ?	4.2		0.8	10	HINDU KUSH REGION, AFGHANISTAN
09	05	38	44.2	6.920	S	128.946	E	33 N	6.4	7.0	1.1	241	BANDA SEA. Mw 7.0 (GS), 7.0 (HRV). Me 6.9 (GS). Ms 6.9 (BRK). Felt (III) on Ambon, Indonesia. Also felt at Darwin, Australia.

Broadband Source Parameters (GS): Dep 20; Radiated energy 5.8*10**14 Nm.
Moment Tensor (GS): Dep 27; Principal axes (scale 10**19 Nm): (T) Val=2.82, Plg=66, Azm=241; (N) Val=0.83, Plg=17, Azm=108; (P) Val=-3.65, Plg=17, Azm=13; Best double couple: Mo=3.2*10**19 Nm; NP1: Strike=79, Dip=32, Slip=57; NP2: Strike=297, Dip=64, Slip=109.
Centroid, Moment Tensor (HRV): Centroid origin time 05:38:48.6; Lat 6.94 S; Lon 128.95 E; Dep 24.6; Half-duration 8.9 sec; Principal axes (scale 10**19 Nm): (T) Val=3.82, Plg=74, Azm=312; (N) Val=0.20, Plg=12, Azm=92; (P) Val=-4.02, Plg=10, Azm=184; Best double couple: Mo=3.9*10**19 Nm; NP1: Strike=289, Dip=37, Slip=111; NP2: Strike=84, Dip=56, Slip=75.

09	05	58	52.7*	7.071	S	129.077	E	33 N	4.4		1.2	12	BANDA SEA
09	06	11	54.8	7.049	S	129.138	E	33 N	4.8		1.1	31	BANDA SEA
09	06	30	58.5?	7.30	S	128.76	E	33 N	4.3		1.4	9	BANDA SEA
09	07	00	59.0*	7.294	S	129.339	E	33 N	4.0		0.9	10	BANDA SEA
09	07	09	02.9?	7.20	S	128.88	E	33 N			1.5	6	BANDA SEA
09	08	16	43.1&	63.125	N	150.846	W	134				5	CENTRAL ALASKA. <AEIC>.
09	08	20	57.5*	7.189	S	129.171	E	33 N			1.0	8	BANDA SEA
09	08	44	00.1&	37.759	N	27.378	E	6				7	TURKEY. <ISK>. MD 2.9 (ISK).
09	08	53	14.5*	27.274	N	142.659	E	33 N	4.7		1.5	17	BONIN ISLANDS REGION
09	08	57	20.3*	12.388	N	89.571	W	30 D	4.6		1.1	23	OFF COAST OF CENTRAL AMERICA
09	09	05	35.8*	7.170	S	128.889	E	33 N	4.4		1.1	7	BANDA SEA
09	09	15	26.2&	39.445	N	29.593	E	5				4	TURKEY. <ISK>. MD 2.4 (ISK).
09	09	23	31.5&	32.821	S	70.926	W	63				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
09	09	26	12.3*	6.959	S	129.037	E	33 N	3.5		1.0	10	BANDA SEA
09	09	36	02.8*	52.954	N	169.510	W	91 *	4.3		1.2	34	FOX ISLANDS, ALEUTIAN ISLANDS
09	09	37	03.3*	7.071	S	128.608	E	33 N	3.5		1.2	9	BANDA SEA
09	10	12	03.0%	42.259	S	174.005	E	33 N			0.4	8	OFF E. COAST OF S. ISLAND, N.Z. ML 3.7 (WEL).
09	10	13	24.3	7.047	S	129.016	E	33 N	4.4		0.9	28	BANDA SEA
09	10	26	03.3*	7.107	S	128.840	E	33 N	4.0		0.9	8	BANDA SEA
09	10	29	37.4&	37.287	N	28.006	E	5				4	TURKEY. <ISK>. MD 3.0 (ISK).
09	11	01	53.6&	39.210	N	26.889	E	10 G				12	TURKEY. <ISK>. MD 3.4 (ATH), 2.9 (ISK).
09	11	15	06.5	9.412	S	121.353	E	110 *	3.9		0.9	17	SAVU SEA
09	11	36	43.1*	7.544	S	128.901	E	33 N	4.2		0.9	10	BANDA SEA
09	11	51	59.3&	39.556	N	29.456	E	5				6	TURKEY. <ISK>. MD 2.4 (ISK).
09	11	53	58.9?	7.19	S	128.53	E	33 N	4.0		1.5	10	BANDA SEA
09	11	55	49.7*	6.983	S	128.100	E	33 N	4.1		0.9	8	BANDA SEA
09	12	20	36.1*	31.527	S	72.527	W	33 N			1.1	20	OFF COAST OF CENTRAL CHILE. MD 4.7 (GUC).
09	12	28	29.6*	22.181	S	63.637	W	520 ?	4.6		0.8	8	SALTA PROVINCE, ARGENTINA
09	12	46	27.1&	32.368	S	71.413	W	32				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
09	12	48	13.0*	7.334	S	128.750	E	33 N	3.8		1.4	11	BANDA SEA
09	14	29	53.5&	39.650	N	26.200	E	9				11	TURKEY. <ATH>. MD 3.4 (ATH), 3.0 (ISK).
09	14	34	35.1*	7.278	S	128.993	E	33 N	4.2		1.4	7	BANDA SEA
09	14	55	58.9&	39.537	N	29.739	E	10 G				4	TURKEY. <ISK>. MD 2.5 (ISK).
09	15	09	12.2*	5.371	N	127.230	E	33 N	4.2		0.9	13	PHILIPPINE ISLANDS REGION
09	15	23	58.1&	55.106	N	165.607	W	206				1	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>.
09	15	29	05.4&	43.200	N	7.100	E	10				12	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.2 (STR), 2.1 (LDG).
09	17	33	22.3*	7.238	S	128.758	E	33 N	3.8		1.3	11	BANDA SEA
09	17	52	51.7*	35.168	N	71.615	E	65 ?			0.5	7	PAKISTAN
09	18	06	26.8	7.048	S	129.124	E	33 N	5.1	4.4	1.1	71	BANDA SEA. Mw 5.3 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 18:06:28.5; Lat 6.93 S; Lon 128.86 E; Dep 37.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.44, Plg=65, Azm=330; (N) Val=0.61, Plg=8, Azm=77; (P) Val=-9.05, Plg=24, Azm=170; Best double couple: Mo=8.7*10**16 Nm; NP1: Strike=277, Dip=22, Slip=111; NP2: Strike=74, Dip=69, Slip=82.

09	18	13	21.3*	21.552	S	169.936	E	33 N	4.7		0.9	21	LOYALTY ISLANDS REGION
09	18	23	03.5*	7.192	S	128.950	E	33 N	3.7		1.5	11	BANDA SEA
09	19	17	26.0*	13.169	N	144.052	E	164 *	4.2		1.1	21	MARIANA ISLANDS
09	19	23	05.6*	7.221	S	128.699	E	33 N	3.9		0.9	12	BANDA SEA
09	19	32	22.1&	59.653	N	139.568	W	0				60	SOUTHEASTERN ALASKA. <AEIC>. ML 3.7 (AEIC), 4.0 (PGC). Felt at Yakutat.
09	19	53	30.7	6.981	S	129.179	E	33 N	4.6		1.4	27	BANDA SEA
09	20	06	35.8*	32.487	N	141.820	E	33 N	4.2		1.0	11	SOUTH OF HONSHU, JAPAN
09	20	16	48.3*	6.975	S	128.943	E	33 N	3.9		1.1	11	BANDA SEA
09	20	34	52.0&	59.520	N	136.580	W	0 G				2	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.2 (PGC), 2.6 (AEIC). Felt (III) at Pleasant Camp, British Columbia.
09	20	43	56.5&	31.908	S	70.305	W	129				10	CHILE-ARGENTINA BORDER REGION. <GUC>.
09	20	55	34.0	7.018	S	128.659	E	33 N	5.2	5.1	1.1	66	BANDA SEA. Mw 5.6 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 20:55:33.9; Lat 7.15 S; Lon 128.33 E; Dep 43.8; Half-

duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.42, Plg=4, Azm=89; (N) Val=0.12, Plg=70, Azm=189; (P) Val=-2.54, Plg=19, Azm=358; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=135, Dip=74, Slip=-169; NP2: Strike=42, Dip=79, Slip=-16.

09	21	01	43.4	33.395	S	69.984	W	123		4.7		0.8	62	CHILE-ARGENTINA BORDER REGION. MD 4.8 (GUC). Felt (III) at Los Andes, San Antonio, San Felipe, Santiago and Valparaiso; (II) at Rancagua, Chile.
09	21	20	23.1*	37.808	S	49.362	E	10	G	4.5	3.7	0.9	14	SOUTHWEST INDIAN RIDGE
09	21	36	43.5*	38.242	N	45.060	E	33	N	4.2		1.4	11	ARMENIA-AZERBAIJAN-IRAN BORD REG
09	22	00	01.0?	6.89	S	129.38	E	33	N	3.9		1.5	7	BANDA SEA
09	22	20	18.2*	7.262	S	128.643	E	33	N	4.1		0.8	8	BANDA SEA
09	22	21	35.2	7.030	S	129.025	E	33	N	4.7		1.3	32	BANDA SEA
09	22	35	16.9&	59.562	N	153.030	W	90					3	SOUTHERN ALASKA. <AEIC>.
09	22	45	07.3&	36.756	N	29.170	E	10	G				6	TURKEY. <ISK>. MD 3.2 (ISK).
09	22	58	44.4	39.303	N	72.613	E	73	?	4.2		1.3	24	KYRGYZSTAN
09	23	03	09.5&	40.567	N	30.482	E	10	G				6	TURKEY. <ISK>. MD 2.5 (ISK).
09	23	18	31.9*	0.861	N	126.078	E	33	N	4.6		1.1	18	NORTHERN MOLUCCA SEA
09	23	42	35.1&	35.623	N	31.799	E	10	G				16	CYPRUS REGION. <ISK>. MD 3.6 (ISK).
10	00	12	03.0	27.176	N	142.730	E	33	N	5.0	4.5	0.9	77	BONIN ISLANDS REGION
10	00	19	36.0?	12.12	N	143.66	E	33	N	4.6		1.1	14	SOUTH OF MARIANA ISLANDS
10	00	41	03.6?	12.06	N	143.59	E	33	N			1.1	5	SOUTH OF MARIANA ISLANDS
10	01	32	50.2&	59.696	N	139.157	W	25	G	3.7			56	SOUTHEASTERN ALASKA. <AEIC>. ML 4.1 (AEIC), 4.3 (PGC), 4.3 (PMR). Felt at Yakutat.
10	01	58	15.4	4.670	S	145.071	E	215		4.7		0.8	56	NEAR N COAST OF NEW GUINEA, PNG.
10	02	21	45.5	33.136	N	132.789	E	41	D	4.1		1.0	21	SHIKOKU, JAPAN. Felt (II JMA) in western Ehime and western Kochi Prefectures. Felt (I JMA) in southwestern Oita Prefecture, Kyushu.
10	02	22	29.8&	39.453	N	28.157	E	6					5	TURKEY. <ISK>. MD 2.6 (ISK).
10	02	44	03.7*	7.531	S	128.539	E	33	N	3.7		0.6	10	BANDA SEA
10	02	50	33.9*	40.095	N	139.370	E	211	*	4.1		0.6	12	NEAR WEST COAST OF HONSHU, JAPAN
10	02	51	22.4&	31.852	N	79.946	E	33	N			0.9	8	XIZANG-INDIA BORDER REGION
10	03	21	30.2&	55.134	N	160.539	W	53					12	ALASKA PENINSULA. <AEIC>. ML 3.5 (AEIC).
10	03	27	36.0*	39.683	N	76.889	E	33	N	3.9		0.9	14	SOUTHERN XINJIANG, CHINA
10	03	47	44.5&	31.387	S	72.118	W	18					9	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
10	04	11	33.1*	0.938	N	126.220	E	33	N	4.3		1.0	14	NORTHERN MOLUCCA SEA
10	04	13	46.2&	59.876	N	151.008	W	38					32	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC).
10	04	30	59.6	35.240	N	26.135	E	33	N	4.0		1.1	48	CRETE. ML 4.1 (ATH).
10	05	39	31.1	39.129	N	40.377	E	10	G	4.5	3.9	1.1	54	TURKEY. MD 4.3 (ISK). Minor damage in Bingol.
10	06	16	36.3&	32.694	S	68.598	W	5					10	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.3 (GUC).
10	07	06	49.9&	30.279	N	130.051	E	33	N			1.0	8	KYUSHU, JAPAN
10	07	29	10.5*	51.738	N	175.109	W	33	N	3.7		1.1	17	ANDREANOF ISLANDS, ALEUTIAN IS.
10	07	45	18.3*	7.350	S	128.756	E	33	N	4.5		1.0	6	BANDA SEA
10	07	59	37.7*	15.050	S	173.595	W	33	N	4.7		0.7	24	TONGA ISLANDS
10	08	08	02.6*	50.264	N	7.785	E	10	G			0.9	10	GERMANY. ML 2.7 (LDG), 2.4 (STR).
10	08	25	53.8&	44.208	N	7.123	E	4					4	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
10	08	39	50.5*	21.168	N	94.032	E	78	?	4.6		0.6	11	MYANMAR
10	08	42	33.4	39.129	N	40.046	E	10	G	4.3		1.1	29	TURKEY. MD 4.6 (ISK).
10	08	59	26.8	39.206	N	40.065	E	10	G			0.5	9	TURKEY. MD 4.0 (ISK).
10	08	59	29.4&	44.211	N	7.140	E	10					4	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
10	09	09	38.1&	32.564	S	69.365	W	8					9	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.3 (GUC).
10	09	17	38.2	50.309	N	7.650	E	10	G			1.1	40	GERMANY. ML 3.4 (LDG), 3.3 (STR), 3.2 (GRF), 3.1 (FBB), 3.0 (CLL).
10	09	26	18.2&	9.145	N	78.419	W	25					5	PANAMA. <UPA>. MD 3.1 (UPA).
10	09	45	09.2&	39.607	N	29.465	E	5					5	TURKEY. <ISK>. MD 2.5 (ISK).
10	09	51	59.1&	39.590	N	29.472	E	5					5	TURKEY. <ISK>. MD 2.4 (ISK).
10	09	56	33.4	5.209	S	123.154	E	33	N	4.5		0.9	23	BANDA SEA
10	09	57	14.1&	39.529	N	29.578	E	5					4	TURKEY. <ISK>. MD 2.4 (ISK).
10	10	14	15.6	41.672	N	109.897	W	5	G			0.5	16	WYOMING. ML 2.9 (GS).
10	11	52	28.0&	31.566	S	72.341	W	12					10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
10	12	58	55.3*	7.305	S	128.935	E	33	N	3.9		1.3	12	BANDA SEA
10	13	00	52.1?	26.56	N	126.78	E	123	?	3.1		1.1	11	RYUKYU ISLANDS
10	13	22	31.0&	39.270	N	19.470	E	5					27	GREECE-ALBANIA BORDER REGION. <ATH>. MD 3.5 (ATH). ML 3.2 (PDG).
10	13	52	36.6	40.589	N	29.252	E	10	G			1.0	9	TURKEY. MD 2.7 (ISK).
10	14	13	28.4&	32.274	N	118.363	W	6	G	4.0			47	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.6 (PAS). MD 3.7 (ECX).
10	14	13	49.1	39.411	N	72.260	E	76	*	4.1		1.1	20	KYRGYZSTAN
10	15	03	20.1*	2.665	N	127.251	E	33	N	4.2		0.6	13	NORTHERN MOLUCCA SEA
10	15	03	51.1	31.588	S	72.234	W	33	N	4.3		1.1	27	OFF COAST OF CENTRAL CHILE. MD 4.6 (GUC).
10	15	54	54.2	39.121	N	40.330	E	10	G	4.3		0.9	26	TURKEY. MD 4.1 (ISK).
10	16	23	32.1*	51.039	N	16.086	E	5	G			1.3	5	POLAND
10	17	13	22.2&	41.106	N	28.825	E	10	G				4	TURKEY. <ISK>. MD 2.6 (ISK).
10	17	45	12.2	22.027	S	68.239	W	118	D	4.7		0.9	60	NORTHERN CHILE
10	17	59	31.2	43.864	N	147.072	E	86	*	4.3		0.9	22	KURIL ISLANDS
10	18	10	14.1	27.639	S	65.506	E	10	G	4.8		0.9	32	SOUTH INDIAN OCEAN
10	19	43	02.0*	36.513	N	36.166	E	10	G			1.0	6	JORDAN - SYRIA REGION. MD 3.2 (ISK).
10	19	58	40.4	6.969	S	129.263	E	33	N	4.5		1.1	26	BANDA SEA
10	20	06	36.9	7.049	S	129.217	E	33	N	4.8		1.1	37	BANDA SEA
10	20	26	35.9*	8.861	S	67.157	E	10	G	5.0		1.1	9	MID-INDIAN RIDGE
10	20	59	35.6&	34.152	N	116.425	W	10					32	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
10	21	31	29.1&	60.588	N	152.635	W	11					23	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
10	21	33	36.6&	56.147	N	158.558	W	79					20	ALASKA PENINSULA. <AEIC>.
10	22	57	06.6&	9.109	N	79.656	W	2					6	PANAMA. <UPA>. MD 3.4 (UPA).
10	23	21	11.1*	7.099	S	128.805	E	33	N	3.9		1.4	9	BANDA SEA
10	23	35	57.9&	17.870	N	68.250	W	98					6	MONA PASSAGE. <MPR>. MD 3.4 (MPR).
10	23	48	13.7	27.645	S	65.559	E	10	G	4.7	4.3	0.9	39	SOUTH INDIAN OCEAN
11	00	37	25.7&	31.367	S	69.885	W	179					11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.0 (GUC).
11	01	08	40.2	7.016	S	128.855	E	33	N	5.2	4.8	0.9	70	BANDA SEA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:08:42.8; Lat 6.91 S; Lon 128.95 E; Dep 34.4; Half-duration 1.3 sec; Principal axes (scale 10**16 Nm): (T) Val=9.36, Plg=80, Azm=166; (N) Val=-0.27, Plg=2, Azm=268; (P) Val=-9.09, Plg=10, Azm=358; Best double couple:

													Mo=9.2*10**16 Nm; NP1: Strike=91, Dip=35, Slip=94; NP2: Strike=266, Dip=55, Slip=87.
11	01	57	16.8	20.144	N	121.446	E	33	N	4.7	1.0	32	PHILIPPINE ISLANDS REGION
11	01	57	40.6&	34.267	S	70.604	W	102				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
11	02	54	50.5	36.596	N	27.611	E	138	*		0.7	13	DODECANESE ISLANDS. MD 3.7 (ATH).
11	03	20	45.8&	18.300	N	68.840	W	96				5	MONA PASSAGE. <MPR>. MD 3.6 (MPR).
11	03	22	59.0	45.216	N	6.932	E	10	G		0.7	15	FRANCE. ML 2.4 (LDG).
11	04	00	03.6&	33.618	S	71.635	W	43				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
11	05	07	46.9&	63.455	N	151.085	W	13				6	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.3 (PMR).
11	05	38	21.0	34.806	N	93.176	W	5	G		0.4	6	ARKANSAS. mbLg 2.6 (GS).
11	05	40	28.9&	34.159	N	118.496	W	11				3	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS). Felt in the epicentral area.
11	06	02	46.4&	40.719	N	29.923	E	10	G			7	TURKEY. <ISK>. MD 2.6 (ISK).
11	06	46	27.5*	86.108	N	34.691	E	10	G		1.3	7	NORTH OF SVALBARD
11	07	12	19.7&	44.794	N	6.659	E	12				19	FRANCE. <GEN>. ML 2.3 (GEN), 2.2 (LDG).
11	07	34	15.0&	32.106	S	69.927	W	123				9	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.2 (GUC).
11	08	29	20.7&	18.240	N	67.040	W	17				7	MONA PASSAGE. <MPR>. MD 3.9 (MPR). Felt (IV) at San Sebastian. Also felt at Aguadilla, Cabo Rojo, Lajas, Las Marias and Mayaguez, Puerto Rico.
11	08	44	45.2*	21.222	S	174.720	W	33	N	4.3	1.1	18	TONGA ISLANDS
11	09	28	58.7	24.647	N	123.137	E	126		4.5	0.8	29	SOUTHWESTERN RYUKYU ISLANDS. Felt (I JMA) on Iriomote-shima.
11	09	36	35.8&	36.890	N	7.100	W	11				18	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.5 (MDD).
11	10	19	09.2*	27.642	S	65.644	E	10	G	4.8	1.0	16	SOUTH INDIAN OCEAN
11	11	00	20.4&	44.300	N	7.700	E	2				8	NORTHERN ITALY. <LDG>. ML 2.3 (LDG).
11	11	33	46.5*	7.601	S	128.880	E	33	N	3.8	1.3	10	BANDA SEA
11	11	33	55.1	40.665	N	29.947	E	10	G		0.7	22	TURKEY. MD 3.5 (ISK).
11	11	36	39.3	40.676	N	29.960	E	10	G		0.4	13	TURKEY. MD 3.4 (ISK).
11	11	37	53.9&	30.976	S	71.752	W	53				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
11	11	50	05.3&	40.741	N	29.987	E	10				11	TURKEY. <ISK>. MD 3.0 (ISK).
11	11	56	54.1&	40.716	N	29.827	E	10	G			6	TURKEY. <ISK>. MD 2.4 (ISK).
11	11	58	03.0&	32.387	S	71.602	W	13				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
11	11	59	37.6	48.548	N	104.032	W	5	G		0.7	12	MONTANA. mbLg 3.1 (GS), 3.5 (PGC).
11	12	07	18.2&	42.100	N	0.400	E	2				20	PYRENEES. <LDG>. ML 3.1 (STR), 2.9 (LDG).
11	12	22	58.1&	39.535	N	29.441	E	8				5	TURKEY. <ISK>. MD 2.6 (ISK).
11	12	24	04.6&	40.718	N	29.907	E	10	G			6	TURKEY. <ISK>. MD 2.5 (ISK).
11	12	36	58.2&	40.697	N	29.990	E	10				14	TURKEY. <ISK>. MD 3.1 (ISK).
11	12	38	01.4*	44.536	N	149.025	E	100	G	3.9	1.2	13	KURIL ISLANDS
11	13	16	11.4&	39.720	N	29.315	E	10	G			5	TURKEY. <ISK>. MD 2.6 (ISK).
11	13	26	11.8&	39.555	N	29.658	E	11				4	TURKEY. <ISK>. MD 2.6 (ISK).
11	14	04	58.3	7.129	S	129.073	E	33	N	4.5	1.2	21	BANDA SEA
11	14	33	26.9	37.566	N	73.153	E	33	N	4.6	1.0	37	TAJIKISTAN
11	14	34	23.9&	39.041	N	28.204	E	5				4	TURKEY. <ISK>. MD 2.6 (ISK).
11	15	12	13.0&	38.790	N	122.770	W	2				7	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
11	15	35	42.5&	38.806	N	122.770	W	2				9	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK).
11	16	04	19.6&	34.772	S	70.960	W	105				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
11	17	05	11.3*	9.097	N	126.370	E	60	D	4.7	1.1	28	MINDANAO, PHILIPPINE ISLANDS
11	17	59	13.5	35.969	S	53.493	E	10	G	5.0 4.5	1.1	42	SOUTHWEST INDIAN RIDGE. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:59:18.4; Lat 35.64 S; Lon 53.46 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.55, Plg=22, Azm=134; (N) Val=-0.19, Plg=68, Azm=314; (P) Val=-8.35, Plg=0, Azm=44; Best double couple: Mo=8.4*10**16 Nm; NP1: Strike=177, Dip=75, Slip=164; NP2: Strike=272, Dip=75, Slip=16.
11	18	04	20.2&	32.090	S	71.616	W	27				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
11	18	16	05.9&	38.088	N	30.125	E	10	G			4	TURKEY. <ISK>. MD 3.0 (ISK).
11	18	37	20.9	7.182	S	128.977	E	33	N	4.5	1.0	22	BANDA SEA
11	18	59	15.8	10.482	S	119.658	E	33	N	4.1	1.1	14	SUMBA REGION, INDONESIA
11	19	31	39.2*	17.681	S	173.139	W	33	N	4.3	1.0	14	TONGA ISLANDS
11	19	53	04.7*	29.822	N	139.329	E	400	G	3.5	0.6	13	SOUTH OF HONSHU, JAPAN
11	20	18	47.3&	38.200	N	0.340	W	1				11	SPAIN. <MDD>. mbLg 2.5 (MDD).
11	21	25	36.7	43.962	N	128.560	W	10	G	3.9	0.9	56	OFF COAST OF OREGON
11	22	08	22.4*	55.964	S	27.643	W	100	G		0.7	7	SOUTH SANDWICH ISLANDS REGION
11	23	03	42.9&	42.790	N	7.210	W	0	G			8	SPAIN. <MDD>. mbLg 3.3 (MDD). Felt (II) in the Sarria-Becerrea area.
11	23	20	47.2	34.558	S	179.791	E	33	N	5.5	1.0	101	SOUTH OF KERMADEC ISLANDS. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:20:54.4; Lat 34.29 S; Lon 179.69 W; Dep 54.0; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.82, Plg=74, Azm=279; (N) Val=0.58, Plg=1, Azm=13; (P) Val=-3.40, Plg=16, Azm=103; Best double couple: Mo=3.1*10**17 Nm; NP1: Strike=195, Dip=29, Slip=92; NP2: Strike=12, Dip=61, Slip=89.
11	23	35	46.5	53.511	N	164.530	W	33	N	4.9	0.8	76	UNIMAK ISLAND REGION. ML 4.8 (PMR).
11	23	36	33.7	1.079	N	85.275	W	33	N	5.5 5.2	1.0	87	OFF COAST OF ECUADOR. Mw 5.7 (HRV), 5.6 (GS). Moment Tensor (GS): Dep 25; Principal axes (scale 10**17 Nm): (T) Val=2.27, Plg=2, Azm=315; (N) Val=0.17, Plg=87, Azm=84; (P) Val=-2.45, Plg=3, Azm=225; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=0, Dip=87, Slip=-180; NP2: Strike=270, Dip=90, Slip=-3. Centroid, Moment Tensor (HRV): Centroid origin time 23:36:33.0; Lat 0.92 N; Lon 85.39 W; Dep 15.0 Fix; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.49, Plg=9, Azm=146; (N) Val=0.49, Plg=66, Azm=256; (P) Val=-3.98, Plg=22, Azm=52; Best double couple: Mo=3.7*10**17 Nm; NP1: Strike=191, Dip=68, Slip=-171; NP2: Strike=97, Dip=81, Slip=-22.
12	00	28	50.3&	40.742	N	29.856	E	10	G			5	TURKEY. <ISK>. MD 2.5 (ISK).
12	00	47	27.3?	7.13	S	128.83	E	33	N		1.3	5	BANDA SEA
12	00	52	44.3*	7.276	S	128.760	E	33	N	4.2	1.4	11	BANDA SEA
12	01	14	01.9&	33.533	S	70.141	W	119				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
12	01	26	27.0?	1.17	N	85.38	W	33	N	4.1	0.3	6	OFF COAST OF ECUADOR
12	01	53	12.6*	30.666	S	178.739	W	350	G	4.3	1.1	23	KERMADEC ISLANDS, NEW ZEALAND

12	02	14	16.5&	46.700	N	1.300	W	2				15	FRANCE. <LDG>. ML 2.3 (LDG).
12	02	46	38.2	39.777	N	53.863	E	52	D	4.4	1.9	27	TURKMENISTAN
12	02	51	15.7?	32.12	N	131.17	E	111	*	4.5	1.5	6	KYUSHU, JAPAN
12	03	33	38.0&	37.481	N	118.810	W	9				17	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.7 (GM). ML 3.8 (BRK). Two events about 3 seconds apart. Hypocenter is for the first event and magnitude for the second and larger event.
12	03	56	18.5&	34.444	S	70.580	W	109				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
12	04	01	51.3	27.583	S	71.180	W	33	N	4.0	1.2	27	NEAR COAST OF NORTHERN CHILE
12	04	43	54.1	8.497	S	129.749	E	33	N	5.1	1.1	33	TIMOR SEA
12	04	48	00.2*	19.195	S	69.094	W	123	*	4.4	1.4	25	NORTHERN CHILE. Felt (III) at Camarones and (II) at Arica.
12	05	20	31.3?	8.00	S	128.81	E	33	N	3.9	0.5	6	TIMOR SEA
12	05	43	26.9	19.193	S	69.153	W	114	D	4.4	1.1	46	NORTHERN CHILE
12	05	44	15.1*	7.297	S	128.329	E	33	N	4.0	1.0	7	BANDA SEA
12	06	38	23.6&	48.131	N	119.320	W	7				42	WASHINGTON. <SEA-P>. MD 3.0 (SEA). ML 2.8 (PGC).
12	06	47	40.8%	11.256	N	88.713	E	10	G		1.3	10	BAY OF BENGAL
12	07	24	34.1&	39.383	N	29.091	E	7				14	TURKEY. <ISK>. MD 3.0 (ISK).
12	07	49	07.5&	39.578	N	29.541	E	13				7	TURKEY. <ISK>. MD 2.6 (ISK).
12	07	50	34.2&	7.772	N	83.049	W	2				6	OFF COAST OF COSTA RICA. <UPA>. MD 4.0 (UPA).
12	08	04	17.5&	39.386	N	27.399	E	5				5	TURKEY. <ISK>. MD 2.6 (ISK).
12	08	08	11.7&	33.638	S	71.608	W	37				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
12	08	13	51.8*	30.716	S	178.703	W	347	?	4.5	0.9	24	KERMADEC ISLANDS, NEW ZEALAND
12	09	09	34.7&	37.390	N	20.640	E	5				4	IONIAN SEA. <ATH>. MD 3.1 (ATH).
12	09	11	44.8	1.669	N	127.390	E	164	D	5.0	1.1	86	HALMAHERA, INDONESIA. Felt (III) on Ternate.
12	09	31	10.4&	40.709	N	30.956	E	11				7	TURKEY. <ISK>. MD 2.9 (ISK).
12	09	32	29.1*	37.841	S	52.485	E	10	G	3.8	0.5	9	SOUTH INDIAN OCEAN
12	09	45	18.4*	51.680	N	16.065	E	5	G		1.0	14	POLAND. ML 3.4 (VIE), 3.1 (WAR).
12	09	57	41.0&	39.612	N	29.402	E	10	G			6	TURKEY. <ISK>. MD 2.5 (ISK).
12	09	59	30.5	5.778	S	101.046	E	33	N	4.3	0.9	22	SOUTHWEST OF SUMATERA, INDONESIA
12	10	21	11.7&	37.460	N	20.880	E	5				5	IONIAN SEA. <ATH>. MD 3.1 (ATH).
12	10	23	46.3&	39.640	N	29.441	E	10	G			4	TURKEY. <ISK>. MD 2.5 (ISK).
12	10	56	07.3*	57.428	N	120.703	E	33	N		0.8	8	SOUTHEASTERN SIBERIA, RUSSIA
12	11	12	27.5&	37.605	N	118.881	W	5				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
12	12	05	36.8*	19.126	S	177.707	W	600	G	4.3	0.8	18	FIJI ISLANDS REGION
12	12	06	09.7&	36.839	N	121.299	W	7				12	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK).
12	13	19	12.1&	40.435	N	29.170	E	5				4	TURKEY. <ISK>. MD 2.5 (ISK).
12	13	26	15.6&	39.564	N	29.365	E	5				4	TURKEY. <ISK>. MD 2.4 (ISK).
12	13	38	06.5*	31.538	S	68.705	W	150	G		1.0	13	SAN JUAN PROVINCE, ARGENTINA. MD 3.3 (GUC).
12	13	52	36.4*	2.911	S	139.391	E	10	G	3.2	1.5	10	NEAR NORTH COAST OF IRIAN JAYA
12	14	18	00.0&	37.940	N	6.850	W	1				10	SPAIN. <MDD>. mbLg 2.6 (MDD).
12	14	35	54.5&	60.213	N	153.055	W	133				71	SOUTHERN ALASKA. <AEIC>.
12	14	42	22.3&	32.527	S	70.851	W	92				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
12	14	44	52.0*	23.065	S	69.496	E	10	G	4.5	1.1	12	MID-INDIAN RIDGE
12	15	10	44.8?	4.77	S	151.45	E	138	*	4.2	0.5	8	NEW BRITAIN REGION, P.N.G.
12	15	36	10.7*	33.224	N	49.708	E	33	N	4.8	1.2	20	WESTERN IRAN
12	16	11	28.9%	41.666	S	174.230	E	10	G		0.9	12	COOK STRAIT, NEW ZEALAND. ML 3.8 (WEL).
12	16	38	28.7&	7.448	N	81.961	W	23				5	PANAMA. <UPA>. MD 3.1 (UPA).
12	17	16	43.8*	5.139	S	150.913	E	123	*	4.2	1.2	17	NEW BRITAIN REGION, P.N.G.
12	17	18	33.3&	37.550	N	8.280	W	14				7	PORTUGAL. <MDD>. mbLg 2.6 (MDD).
12	17	23	43.4*	51.507	N	16.529	E	5	G		1.1	11	POLAND. ML 3.2 (VIE), 3.1 (WAR).
12	17	44	03.9	11.990	N	86.064	W	140	D	4.9	1.0	158	NEAR COAST OF NICARAGUA. MD 4.9 (SJR), 4.7 (UPA).
12	18	30	40.0*	30.144	N	129.957	E	33	N	3.6	0.9	9	KYUSHU, JAPAN
12	18	42	55.6*	53.062	N	169.585	W	33	N	4.1	0.9	17	FOX ISLANDS, ALEUTIAN ISLANDS
12	19	00	09.1	10.410	N	126.248	E	69	*	4.5	0.9	35	PHILIPPINE ISLANDS REGION
12	19	19	31.8	13.029	S	122.039	E	33	N	4.9	1.4	36	NORTHWEST OF AUSTRALIA
12	19	34	33.3	46.069	N	14.737	E	10	G		0.8	9	NORTHWESTERN BALKAN REGION. ML 2.8 (VIE), 2.6 (LJU).
12	20	09	34.9&	58.686	N	156.722	W	202				68	ALASKA PENINSULA. <AEIC>.
12	20	19	18.2&	30.606	S	71.773	W	54				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
12	21	13	17.8?	14.93	N	91.32	W	100	G	3.4	0.6	7	GUATEMALA
12	21	19	16.5?	28.42	N	142.74	E	10	G		1.4	6	BONIN ISLANDS REGION
12	21	59	29.6*	32.023	S	68.132	W	100	G		0.8	15	MENDOZA PROVINCE, ARGENTINA. MD 3.6 (GUC).
12	22	10	36.6&	40.440	N	21.420	E	12				6	GREECE. <ATH>. MD 3.0 (ATH).
12	22	33	43.2%	41.627	S	85.091	E	10	G		1.1	10	SOUTHEAST INDIAN RIDGE
12	23	44	04.6&	39.381	N	28.281	E	5				5	TURKEY. <ISK>. MD 2.7 (ISK).
13	00	47	44.8&	31.652	S	72.217	W	19				10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
13	00	53	58.3&	38.890	N	21.120	E	5				23	GREECE. <ATH>. ML 3.5 (ATH).
13	01	31	38.6&	40.726	N	29.878	E	5				4	TURKEY. <ISK>. MD 2.7 (ISK).
13	01	57	39.6&	37.521	N	118.776	W	4				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
13	02	03	47.2*	53.124	N	164.298	W	33	N	4.4	1.1	24	UNIMAK ISLAND REGION. ML 3.8 (AEIC).
13	02	30	03.2&	59.892	N	152.807	W	92				16	SOUTHERN ALASKA. <AEIC>.
13	02	33	50.4*	17.510	S	179.011	W	550	G	4.2	0.5	16	FIJI ISLANDS REGION
13	03	03	47.6?	7.21	N	73.20	W	183	?		0.9	10	NORTHERN COLOMBIA
13	04	06	55.9*	49.767	S	125.796	E	10	G	4.0	0.9	17	SOUTH OF AUSTRALIA
13	04	30	17.7&	10.813	N	62.271	W	96				4	NEAR COAST OF VENEZUELA. <TRN>. MD 2.9 (TRN).
13	04	55	18.3	5.812	S	127.689	E	411		4.7	0.7	34	BANDA SEA
13	05	31	29.0?	38.12	N	140.40	E	10	G		1.5	6	EASTERN HONSHU, JAPAN. Felt (I JMA) in eastern Fukushima Prefecture.
13	06	15	23.0*.	5.887	S	148.914	E	74	D	4.0	1.4	15	NEW BRITAIN REGION, P.N.G.
13	07	08	21.0	20.328	S	177.979	W	550	G	4.5	1.0	58	FIJI ISLANDS REGION
13	07	15	45.6&	39.616	N	29.534	E	5				4	TURKEY. <ISK>. MD 2.5 (ISK).
13	08	42	09.6?	3.66	S	119.53	E	33	N		1.3	4	SULAWESI, INDONESIA
13	09	16	03.9*	54.360	S	5.746	E	10	G	4.6	1.9	14	BOUVET ISLAND REGION
13	10	19	23.7&	39.588	N	29.427	E	10	G			5	TURKEY. <ISK>. MD 2.5 (ISK).
13	10	38	34.5	63.882	N	21.595	W	10	G	4.9 4.4	1.2	144	ICELAND REGION. Mw 5.1 (HRV). Felt in southern and western Iceland. Centroid, Moment Tensor (HRV): Centroid origin time 10:38:39.4; Lat 63.96 N; Lon 22.12 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.69, Plg=26, Azm=128; (N) Val=-2.51, Plg=50, Azm=1; (P) Val=-4.18, Plg=27, Azm=233; Best double couple: Mo=5.4*10**16 Nm; NP1: Strike=270, Dip=50, Slip=-1; NP2: Strike=1, Dip=89, Slip=-140.
13	11	24	41.8?	9.28	S	121.26	E	33	N	3.5	1.5	5	SAVU SEA

13	11	25	52.9&	39.531	N	29.502	E	7				6	TURKEY. <ISK>. MD 2.6 (ISK).
13	11	28	52.4&	32.661	S	71.628	W	29				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
13	11	35	25.4*	36.272	N	70.371	E	229	?		0.8	7	HINDU KUSH REGION, AFGHANISTAN
13	11	54	35.2	19.086	S	124.886	E	33	N	3.8	1.3	17	WESTERN AUSTRALIA
13	12	04	11.8*	10.060	N	121.281	E	33	N	4.4	1.4	15	PANAY, PHILIPPINE ISLANDS
13	12	07	25.0&	41.185	N	29.189	E	5				11	TURKEY. <ISK>. MD 2.9 (ISK).
13	12	40	06.0*	27.504	N	53.686	E	33	N	3.9	1.4	9	SOUTHERN IRAN
13	13	01	10.5	27.791	N	53.608	E	33	N	5.3 5.1	1.0	278	SOUTHERN IRAN. Mw 5.4 (HRV). Five people killed, 105 injured and at least 850 houses damaged by the earthquake and landslides in the Bigherd-Khonj area. Centroid, Moment Tensor (HRV): Centroid origin time 13:01:12.2; Lat 27.52 N; Lon 53.38 E; Dep 33.0 Fix; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.50, Plg=77, Azm=235; (N) Val=0.15, Plg=7, Azm=113; (P) Val=-1.66, Plg=11, Azm=22; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=103, Dip=35, Slip=78; NP2: Strike=298, Dip=56, Slip=98.
13	13	23	43.1&	19.150	N	67.980	W	25				5	MONA PASSAGE. <MPR>. MD 3.3 (MPR).
13	13	28	14.5&	32.098	S	70.285	W	125				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
13	13	55	24.0&	32.598	S	70.045	W	115				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
13	14	05	01.5*	18.494	N	145.990	E	200	G	3.6	0.6	9	MARIANA ISLANDS
13	15	29	45.3?	54.99	N	156.98	W	33	N		1.4	9	SOUTH OF ALASKA
13	15	36	16.6&	27.859	N	53.503	E	33	N		0.9	9	SOUTHERN IRAN
13	15	40	30.4&	37.090	N	21.070	E	5				4	SOUTHERN GREECE. <ATH>. MD 2.9 (ATH).
13	16	23	04.8&	36.590	N	3.370	W	6				12	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.8 (MDD).
13	17	11	27.2&	42.600	N	3.000	E	2				8	PYRENEES. <LDG>. ML 2.4 (LDG).
13	17	14	32.0	30.614	N	50.350	E	33	N	4.5	0.7	44	NORTHERN IRAN
13	17	38	58.9	21.572	S	68.222	W	123	D	5.4	0.9	131	CHILE-BOLIVIA BORDER REGION. Mw 5.3 (HRV). Felt (IV) at Tocopilla; (III) at Calama and Maria Elena; (II) at Iquique, Pica and Pozo Almonte, Chile. Centroid, Moment Tensor (HRV): Centroid origin time 17:39:05.5; Lat 21.40 S; Lon 68.58 W; Dep 139.0; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.20, Plg=43, Azm=98; (N) Val=-0.24, Plg=12, Azm=200; (P) Val=-0.96, Plg=44, Azm=302; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=113, Dip=12, Slip=-176; NP2: Strike=20, Dip=89, Slip=-78.
13	18	03	34.8&	44.263	N	7.332	E	17				4	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
13	18	09	09.5&	44.900	N	6.700	E	2				4	FRANCE. <LDG>.
13	18	24	49.8*	42.835	N	13.007	E	10	G		0.9	18	CENTRAL ITALY. ML 3.4 (VIE), 3.1 (LDG).
13	18	28	33.4	14.516	S	167.086	E	200	G	4.6	1.1	68	VANUATU ISLANDS
13	18	28	56.9&	62.022	N	149.037	W	38				20	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.1 (PMR).
13	18	39	44.8?	28.03	N	53.46	E	33	N		0.8	5	SOUTHERN IRAN
13	18	41	45.1*	27.917	N	53.528	E	33	N	4.3	1.0	15	SOUTHERN IRAN
13	19	45	05.2*	27.833	N	53.530	E	33	N	4.2	1.0	20	SOUTHERN IRAN
13	19	46	26.8&	39.411	N	27.970	E	5				4	TURKEY. <ISK>. MD 2.7 (ISK).
13	19	57	52.3	27.865	N	53.601	E	33	N	3.6	0.6	16	SOUTHERN IRAN
13	20	06	45.3*	6.228	N	127.537	E	33	N	3.9	0.8	9	PHILIPPINE ISLANDS REGION
13	20	07	42.2&	39.364	N	28.322	E	11				13	TURKEY. <ISK>. MD 2.9 (ISK).
13	20	19	06.4&	30.771	S	71.594	W	55				17	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
13	20	50	00.8&	44.390	N	7.249	E	14				9	NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
13	21	01	35.0	27.826	N	53.595	E	33	N	4.3	1.1	32	SOUTHERN IRAN
13	21	10	23.9*	27.711	N	53.620	E	33	N	3.8	0.5	10	SOUTHERN IRAN
13	21	13	06.4	27.930	N	53.611	E	33	N	4.3	1.1	28	SOUTHERN IRAN
13	21	19	34.0&	36.130	N	27.160	E	5				10	DODECANESE ISLANDS. <ATH>. MD 3.7 (ATH).
13	21	21	44.5&	27.956	N	53.687	E	33	N		0.6	10	SOUTHERN IRAN
13	21	46	09.5*	27.838	N	53.643	E	33	N	4.2	1.2	12	SOUTHERN IRAN
13	22	27	25.8*	6.040	S	150.564	E	70	*	4.0	1.4	13	NEW BRITAIN REGION, P.N.G.
13	22	38	25.5&	42.239	N	19.574	E	26				7	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.7 (PDG).
14	00	02	08.5*	22.993	N	101.284	E	10	G		0.9	6	MYANMAR-CHINA BORDER REGION
14	00	51	02.5	7.050	S	128.952	E	33	N	4.4	1.2	28	BANDA SEA
14	01	04	58.2&	63.441	N	151.125	W	20		3.5		40	CENTRAL ALASKA. <AEIC>. ML 3.7 (AEIC).
14	02	05	04.8&	48.000	N	7.600	E	2				6	FRANCE. <LDG>. ML 1.9 (LDG).
14	02	44	55.8&	33.807	S	69.918	W	10				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
14	02	48	41.5&	33.148	S	70.528	W	96				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 1.9 (GUC).
14	02	56	58.3&	36.700	N	2.650	W	0				10	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.4 (MDD).
14	03	09	44.2	38.252	N	0.160	W	10	G		1.2	56	SPAIN. ML 3.8 (LDG). mbLg 3.3 (MDD). Felt (III) at Alicante, San Juan and Torrevieja.
14	03	51	22.5&	38.290	N	0.100	W	8				9	SPAIN. <MDD>. mbLg 2.0 (MDD).
14	04	11	14.0&	34.362	S	70.161	W	8				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
14	04	11	29.0*	31.081	N	86.514	E	33	N	4.2	1.2	11	XIZANG
14	04	38	19.4	8.698	N	93.950	E	33	N	5.1	0.8	140	NICOBAR ISLANDS, INDIA
14	05	21	07.0&	44.650	N	117.830	W	10				6	OREGON. <BSE-P>. ML 2.9 (BSE). MD 2.7 (SEA). Felt.
14	06	14	34.7*	22.943	N	94.801	E	33	N	4.0	1.1	12	MYANMAR
14	06	27	03.4&	40.552	N	27.662	E	14				10	TURKEY. <ISK>. MD 3.0 (ISK).
14	07	18	58.7*	26.906	S	26.571	E	10	G		1.5	8	REPUBLIC OF SOUTH AFRICA
14	07	55	40.9&	55.500	N	161.104	W	107				52	ALASKA PENINSULA. <AEIC>.
14	08	15	23.3*	45.137	N	25.743	E	33	N		0.6	7	ROMANIA
14	08	24	39.0*	5.457	S	133.513	E	100	G	4.1	1.2	11	ARU ISLANDS REGION, INDONESIA
14	09	09	34.3&	11.374	N	62.251	W	93				5	WINDWARD ISLANDS. <TRN>. MD 3.2 (TRN).
14	09	43	23.6&	39.518	N	29.574	E	10	G			4	TURKEY. <ISK>. MD 2.4 (ISK).
14	10	12	38.4&	39.546	N	29.593	E	6				4	TURKEY. <ISK>. MD 2.4 (ISK).
14	10	14	02.2&	39.526	N	29.606	E	5				4	TURKEY. <ISK>. MD 2.4 (ISK).
14	10	37	23.2	27.887	N	53.550	E	47	*	4.7	0.6	86	SOUTHERN IRAN
14	11	14	58.1?	46.14	N	26.65	E	150	G	3.8	1.2	7	ROMANIA
14	11	31	22.9&	27.756	N	53.635	E	33	N		0.3	5	SOUTHERN IRAN
14	11	43	26.1	7.006	S	117.043	E	500	G	4.7	0.9	26	BALI SEA
14	11	48	36.3&	61.786	N	150.321	W	41				38	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.2 (PMR).
14	12	24	46.1&	40.735	N	29.826	E	10	G			6	TURKEY. <ISK>. MD 2.6 (ISK).
14	12	29	07.0&	31.092	S	71.535	W	24				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
14	12	43	38.9&	33.564	S	70.567	W	90				10	CHILE-ARGENTINA BORDER REGION. <GUC>.
14	12	49	03.2	46.167	N	14.432	E	10	G		1.4	8	NORTHWESTERN BALKAN REGION. ML 1.6 (LJU).
14	12	49	38.4	38.385	N	21.963	E	5	G		1.0	11	GREECE. ML 3.3 (ATH).

14	14	01	30.2	38.414	N	22.050	E	10	G	3.7	1.2	14	GREECE. ML 3.4 (ATH).
14	14	23	15.6	11.709	N	143.248	E	33	N	5.3 5.1	1.0	127	SOUTH OF MARIANA ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:23:17.5; Lat 11.44 N; Lon 143.41 E; Dep 15.0 Bdy; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.44, Plg=62, Azm=274; (N) Val=-0.03, Plg=26, Azm=73; (P) Val=-1.41, Plg=9, Azm=167; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=285, Dip=43, Slip=131; NP2: Strike=56, Dip=59, Slip=59.
14	14	24	07.1	64.003	N	21.413	W	10	G	4.7 4.2	1.2	88	ICELAND
14	14	39	34.6&	33.886	S	71.126	W	62				11	NEAR COAST OF CENTRAL CHILE. <GUC>.
14	15	03	12.0	14.946	S	167.367	E	115	D	5.5	1.0	247	VANUATU ISLANDS. Mw 6.0 (GS), 5.9 (HRV). Me 5.7 (GS). Broadband Source Parameters (GS): Dep 107; NP1: Strike=165, Dip=40, Slip=120; NP2: Strike=308, Dip=56, Slip=67; Radiated energy 7.3*10**12 Nm. Moment Tensor (GS): Dep 108; Principal axes (scale 10**17 Nm): (T) Val=9.63, Plg=61, Azm=171; (N) Val=0.00, Plg=28, Azm=339; (P) Val=-9.62, Plg=5, Azm=72; Best double couple: Mo=9.6*10**17 Nm; NP1: Strike=189, Dip=47, Slip=130; NP2: Strike=318, Dip=56, Slip=56. Centroid, Moment Tensor (HRV): Centroid origin time 15:03:15.7; Lat 14.93 S; Lon 167.19 E; Dep 108.7; Half-duration 2.3 sec; Principal axes (scale 10**17 Nm): (T) Val=8.97, Plg=58, Azm=185; (N) Val=0.68, Plg=32, Azm=6; (P) Val=-9.65, Plg=1, Azm=276; Best double couple: Mo=9.3*10**17 Nm; NP1: Strike=337, Dip=53, Slip=48; NP2: Strike=213, Dip=54, Slip=131.
14	15	36	41.0&	44.610	N	111.080	W	8				16	HEBGEN LAKE REGION. <SLC-P>. ML 3.1 (BUT).
14	15	55	44.4	27.845	N	53.537	E	33	N	4.4	1.0	37	SOUTHERN IRAN
14	16	43	41.0&	33.139	S	70.271	W	7				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
14	16	47	03.4&	36.500	N	3.180	W	1				18	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.7 (MDD).
14	17	27	51.5&	33.914	S	70.635	W	89				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
14	17	32	13.0&	44.050	N	16.990	E	14				7	NORTHWESTERN BALKAN REGION. <ZAG>. ML 2.7 (ZAG).
14	18	42	57.0&	44.070	N	17.030	E	16				11	NORTHWESTERN BALKAN REGION. <ZAG>. ML 2.7 (ZAG).
14	18	51	14.9&	56.670	N	156.525	W	87				28	ALASKA PENINSULA. <AEIC>.
14	19	12	28.9&	38.795	N	122.738	W	3				11	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK).
14	19	33	39.5&	34.242	S	70.017	W	4				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
14	20	40	53.2?	45.12	N	150.64	E	150	G		1.1	9	KURIL ISLANDS
14	20	57	32.7	14.797	S	75.700	W	33	N	4.3	0.9	32	NEAR COAST OF PERU
14	21	16	19.7&	44.617	N	112.218	W	7				27	EASTERN IDAHO. <BUT-P>. ML 3.4 (BUT).
14	22	15	19.6*	32.686	N	139.163	E	211	*	4.2	1.0	20	SOUTH OF HONSHU, JAPAN
14	23	07	57.3*	17.270	S	69.402	W	150	G	4.2	1.0	15	PERU-BOLIVIA BORDER REGION
14	23	44	01.7	46.238	N	13.345	E	10	G		1.2	15	AUSTRIA. ML 2.7 (VIE).
15	00	04	27.7&	46.697	N	112.037	W	1				15	MONTANA. <BUT-P>. ML 2.7 (BUT). Felt in the northern Helena Valley.
15	00	07	14.1*	25.055	S	179.647	E	500	G	4.2	1.1	19	SOUTH OF FIJI ISLANDS
15	00	08	10.4*	4.468	S	142.248	E	118	?	3.3	0.3	7	NEW GUINEA, PAPUA NEW GUINEA
15	00	08	31.5	18.960	N	144.809	E	33	N	4.6	0.8	34	MARIANA ISLANDS
15	00	09	05.4&	44.691	N	6.796	E	8				23	FRANCE. <GEN>. ML 2.3 (GEN), 2.1 (LDG).
15	00	13	20.3&	18.820	N	66.250	W	35				8	PUERTO RICO REGION. <MPR>. MD 3.1 (MPR).
15	00	23	46.3*	18.994	N	145.105	E	33	N	4.3	1.1	10	MARIANA ISLANDS
15	00	29	08.9*	33.428	N	141.762	E	33	N		1.3	9	OFF EAST COAST OF HONSHU, JAPAN
15	01	13	01.5*	44.821	N	149.227	E	79	?	4.9	1.3	25	KURIL ISLANDS
15	01	50	40.4&	34.883	S	70.409	W	145				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
15	02	44	12.3	21.589	S	176.504	W	149	D	5.9	0.9	383	FIJI ISLANDS REGION. Mw 6.3 (GS), 6.3 (HRV). Me 6.0 (GS). mb 6.0 (BRK). Broadband Source Parameters (GS): Dep 153; NP1: Strike=10, Dip=65, Slip=-60; NP2: Strike=136, Dip=38, Slip=-137; Radiated energy 2.5*10**13 Nm. Two events about two seconds apart. Depth based on first event. Moment Tensor (GS): Dep 163; Principal axes (scale 10**18 Nm): (T) Val=2.67, Plg=21, Azm=107; (N) Val=0.00, Plg=1, Azm=17; (P) Val=-2.67, Plg=69, Azm=285; Best double couple: Mo=2.7*10**18 Nm; NP1: Strike=199, Dip=24, Slip=-88; NP2: Strike=17, Dip=66, Slip=-91. Centroid, Moment Tensor (HRV): Centroid origin time 02:44:20.1; Lat 21.55 S; Lon 175.87 W; Dep 171.0; Half-duration 3.3 sec; Principal axes (scale 10**18 Nm): (T) Val=2.93, Plg=21, Azm=116; (N) Val=-0.22, Plg=12, Azm=21; (P) Val=-2.71, Plg=65, Azm=264; Best double couple: Mo=2.8*10**18 Nm; NP1: Strike=227, Dip=26, Slip=-62; NP2: Strike=16, Dip=67, Slip=-103. Scalar Moment (PPT): Mo=5.0*10**18 Nm.
15	02	45	15.2	21.418	S	176.374	W	150	G	5.3	0.8	73	FIJI ISLANDS REGION
15	02	52	55.9	20.691	S	174.124	W	33	N	5.1	0.7	37	TONGA ISLANDS
15	03	19	13.5?	21.30	S	176.66	W	200	G	4.0	0.9	14	FIJI ISLANDS REGION
15	04	10	35.1&	32.985	S	70.276	W	99				16	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.8 (GUC).
15	04	12	14.9*	17.502	S	175.301	W	300	G	4.4	1.1	22	TONGA ISLANDS
15	04	20	11.6&	37.910	N	20.950	E	5				12	IONIAN SEA. <ATH>. ML 3.7 (ATH).
15	04	51	42.2*	4.075	S	104.181	W	10	G	4.8 5.1	0.9	53	CENTRAL EAST PACIFIC RISE. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:51:49.1; Lat 3.62 S; Lon 104.23 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.52, Plg=21, Azm=143; (N) Val=-0.43, Plg=69, Azm=327; (P) Val=-2.09, Plg=1, Azm=234; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=281, Dip=74, Slip=15; NP2: Strike=187, Dip=76, Slip=164.
15	05	07	01.3	43.097	N	18.828	E	10	G		1.3	16	NORTHWESTERN BALKAN REGION. ML 3.0 (PDG).
15	05	42	26.5&	63.655	N	149.557	W	129				23	CENTRAL ALASKA. <AEIC>.
15	05	59	39.6&	14.284	N	122.773	E	33	N		0.9	7	LUZON, PHILIPPINE ISLANDS
15	06	10	05.1?	5.02	S	133.82	E	33	N	3.9	0.7	6	ARU ISLANDS REGION, INDONESIA
15	06	12	56.1&	27.951	N	53.490	E	33	N		1.0	10	SOUTHERN IRAN
15	06	21	26.7&	42.740	N	9.190	W	8				35	SPAIN. <MDD>. mbLg 3.1 (MDD). Felt (III) at Porto do Son.

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15  06 51 29.6& 42.730 N    9.180 W    6                          7  SPAIN. <MDD>. mbLg 2.8 (MDD).
15  07 23 35.8& 33.003 S   70.185 W    2                          8  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
15  07 43 49.7  38.358 S   93.560 W   10 G  4.7 4.7  0.9        40  WEST CHILE RISE. Mw 5.4 (HRV).
                                                                    Centroid, Moment Tensor (HRV): Centroid origin time
                                                                     07:43:52.5; Lat 38.17 S; Lon 93.43 W; Dep 15.0 Fix; Half-
                                                                     duration 1.1 sec; Principal axes (scale 10**17 Nm): (T)
                                                                     Val=1.16, Plg=2, Azm=45; (N) Val=0.22, Plg=60, Azm=312; (P)
                                                                     Val=-1.38, Plg=30, Azm=136; Best double couple:
                                                                     Mo=1.3*10**17 Nm; NP1: Strike=176, Dip=68, Slip=-21; NP2:
                                                                     Strike=275, Dip=70, Slip=-156.
15  07 58 14.8  13.001 N  143.607 E  142    4.9       0.9        93  SOUTH OF MARIANA ISLANDS
15  08 23 08.6   9.344 S   71.292 W  596 D  4.7       0.8       196  PERU-BRAZIL BORDER REGION
15  08 31 31.4*  9.962 S  122.058 E   33 N  3.7       1.3         8  SAVU SEA
15  09 16 58.9* 39.848 N   76.808 E   33 N  4.0       1.5        17  SOUTHERN XINJIANG, CHINA
15  09 24 22.6& 32.734 S   71.666 W   11                         11  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
15  10 28 36.4& 56.447 N  153.849 W    0    4.7                  91  KODIAK ISLAND REGION. <AEIC>. ML 4.4 (AEIC), 4.7 (PMR).
15  11 14 56.6& 33.224 N  116.065 W   14                         28  SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). MD 3.4 (ECX).
15  12 18 10.3? 11.71  N  143.77  E   33 N  3.9       1.3         8  SOUTH OF MARIANA ISLANDS
15  12 41 12.5& 39.470 N   26.000 E   11                         10  TURKEY. <ATH>. ML 3.5 (ATH).
15  12 57 02.0& 39.540 N   26.160 E    5                          6  TURKEY. <ATH>. MD 3.0 (ATH).
15  13 00 55.8& 33.608 S   69.967 W    7                         12  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
15  13 19 24.1& 32.640 S   71.507 W   19                         11  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
15  13 25 12.8  41.155 N   34.454 E   10 G            1.3         8  TURKEY
15  13 27 04.0  60.275 S   47.477 W   10 G  5.3 5.0  1.1        41  SCOTIA SEA. Mw 5.5 (HRV).
                                                                    Centroid, Moment Tensor (HRV): Centroid origin time
                                                                     13:27:12.8; Lat 60.86 S; Lon 47.30 W; Dep 15.0 Fix; Half-
                                                                     duration 1.3 sec; Principal axes (scale 10**17 Nm): (T)
                                                                     Val=2.50, Plg=16, Azm=314; (N) Val=-1.06, Plg=11, Azm=221;
                                                                     (P) Val=-1.44, Plg=71, Azm=97; Best double couple:
                                                                     Mo=2.0*10**17 Nm; NP1: Strike=61, Dip=31, Slip=-68; NP2:
                                                                     Strike=215, Dip=61, Slip=-103.
15  13 30 33.6  21.546 S  169.802 E   33 N  4.6 4.9  1.0        50  LOYALTY ISLANDS REGION. Mw 5.2 (HRV).
                                                                    Centroid, Moment Tensor (HRV): Centroid origin time
                                                                     13:30:37.4; Lat 21.71 S; Lon 169.47 E; Dep 26.0; Half-
                                                                     duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                                     Val=7.02, Plg=76, Azm=81; (N) Val=0.83, Plg=3, Azm=340; (P)
                                                                     Val=-7.86, Plg=13, Azm=250; Best double couple:
                                                                     Mo=7.4*10**16 Nm; NP1: Strike=336, Dip=32, Slip=85; NP2:
                                                                     Strike=162, Dip=58, Slip=93.
15  14 05 42.7& 18.010 N   66.980 W    3                          6  PUERTO RICO REGION. <MPR>. MD 2.8 (MPR).
15  14 06 43.3& 52.188 N  170.321 W    0    4.3                  34  FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 4.2 (AEIC).
15  14 22 17.3& 18.020 N   66.980 W    3                          6  PUERTO RICO REGION. <MPR>. MD 2.7 (MPR).
15  14 43 47.2& 44.900 N    6.700 E    2                          4  FRANCE. <LDG>.
15  15 48 22.3*  5.755 S  148.966 E   33 N  4.2       1.3        10  NEW BRITAIN REGION, P.N.G.
15  15 55 50.3* 51.461 N   16.160 E    5 G            0.4         8  POLAND. ML 3.2 (VIE), 3.0 (WAR).
15  15 59 12.7* 51.550 N   16.268 E    5 G            0.9         9  POLAND. ML 3.4 (VIE), 2.9 (WAR).
15  16 28 54.7   6.627 S  147.124 E  100 D  4.7       0.9        53  EASTERN NEW GUINEA REG., P.N.G.
15  16 37 59.5* 44.741 N  141.391 E  257 *              0.8         8  HOKKAIDO, JAPAN  REGION
15  17 27 43.7& 37.380 N   22.800 E    5                          5  SOUTHERN GREECE. <ATH>. ML 2.8 (ATH).
15  18 24 32.8& 36.500 N    3.200 W    0 G                        8  STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
15  18 49 04.8  39.309 N   71.492 E   33 N  4.4       1.1        33  TAJIKISTAN
15  18 54 18.0* 31.516 N  140.670 E   82 D  4.0       0.7        16  SOUTH OF HONSHU, JAPAN
15  18 58 41.0& 37.290 N    3.200 W    2                         20  SPAIN. <MDD>. mbLg 2.6 (MDD).
15  19 02 10.0& 42.488 N   19.330 E   20                          7  NORTHWESTERN BALKAN REGION. <PDG>. ML 2.1 (PDG).
15  20 30 21.4  27.127 N   55.543 E   33 N  4.6       0.9       108  SOUTHERN IRAN
15  20 41 01.7& 61.706 N  150.708 W   65                         37  SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
15  21 23 34.4* 35.575 N  139.755 E  100 G  4.6       0.9        10  NEAR S. COAST OF HONSHU, JAPAN
15  21 31 47.6  21.579 S  169.911 E   33 N  4.2       1.2        42  LOYALTY ISLANDS REGION
15  21 42 00.2& 37.170 N    3.200 W    6                          8  SPAIN. <MDD>. mbLg 1.6 (MDD).
15  22 22 57.9& 31.225 S   71.966 W    9                         13  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
15  22 54 22.2* 27.429 N  142.551 E   33 N  4.5       1.3        20  BONIN ISLANDS REGION
15  22 57 48.9* 46.213 N   13.694 E   10 G            1.1         6  AUSTRIA. ML 2.2 (VIE).
15  23 08 33.9  37.658 N  137.320 E   21 *  4.9 4.2  0.9        73  NEAR WEST COAST OF HONSHU, JAPAN
15  23 54 46.7   3.851 S   76.803 W  100 G  4.4       0.6        23  NORTHERN PERU
16  00 04 43.5& 35.740 N    7.020 W   16                         15  STRAIT OF GIBRALTAR. <MDD>. mbLg 2.6 (MDD).
16  00 29 10.1& 43.072 N   18.901 E   13                          7  NORTHWESTERN BALKAN REGION. <PDG>. MD 2.1 (PDG).
16  00 46 04.4& 34.040 S   70.119 W    7                         10  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
16  00 53 12.8& 43.100 N    0.300 W    2                          7  PYRENEES. <LDG>. ML 2.1 (LDG), 2.0 (STR).
16  01 36 12.0% 7.363 S   155.874 E   40 ?            1.1        12  SOLOMON ISLANDS
16  02 38 07.2& 43.100 N    0.400 W    2                         10  PYRENEES. <LDG>. ML 2.6 (STR), 2.3 (LDG).
16  03 22 25.9  49.743 N   18.560 E    5 G            0.5         7  CZECH AND SLOVAK REPUBLICS. ML 2.9 (VIE), 2.8 (WAR).
16  03 47 21.1& 18.500 N   65.750 W   86                          5  PUERTO RICO REGION. <MPR>. MD 2.7 (MPR).
16  04 00 34.8*  6.417 S  130.967 E   56 ?  4.4       1.4        20  BANDA SEA
16  04 24 37.4& 60.227 N  152.420 W   91                         37  SOUTHERN ALASKA. <AEIC>.
16  04 37 05.5  11.869 N  143.563 E   33 N  4.7 4.4  0.9        47  SOUTH OF MARIANA ISLANDS
16  05 46 26.5& 40.370 N   20.610 E    5                          7  GREECE-ALBANIA BORDER REGION. <ATH>. MD 3.1 (ATH).
16  06 21 59.7* 28.300 N   51.657 E   33 N  3.9       0.7        12  SOUTHERN IRAN
16  07 05 29.1*  7.271 S  128.599 E   33 N  4.0       0.9         7  BANDA SEA
16  07 29 52.2* 49.567 N  158.506 E   33 N  4.2       0.9         9  EAST OF KURIL ISLANDS
16  07 57 03.6& 42.900 N    0.300 W    2                          5  PYRENEES. <LDG>. ML 2.8 (STR), 2.0 (LDG).
16  08 25 40.0  36.346 N  141.629 E   33 N  4.4       0.8        21  NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in Ibaraki,
                                                                     Tochigi and southern Fukushima Prefectures.
16  10 38 30.2& 32.987 S   70.263 W   97                          8  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.0 (GUC).
16  11 04 51.1*  4.044 N   95.100 E   58 *  4.6       0.9        28  NORTHERN SUMATERA, INDONESIA
16  11 13 59.4& 63.078 N  150.890 W  136                         18  CENTRAL ALASKA. <AEIC>.
16  12 27 03.4& 11.849 N   43.342 E   10 G            0.5         8  ETHIOPIA. ML 3.8 (ARO).
16  12 34 01.2* 72.581 N    3.048 E   10 G  4.6       1.3         9  NORWEGIAN SEA
16  12 42 00.3? 38.17  S  175.88  E  217 ?            0.4        17  NORTH ISLAND, NEW ZEALAND
16  12 55 16.9& 18.900 N   67.380 W   58                          7  MONA PASSAGE. <MPR>. MD 3.1 (MPR). Felt (III) at Arecibo,
                                                                     Puerto Rico.
16  14 15 11.8* 58.007 N  162.890 E   33 N  4.1       0.9         8  KAMCHATKA
16  14 21 21.2* 55.715 N  157.156 W   33 N            0.9        10  ALASKA PENINSULA
16  14 48 55.2* 13.685 N   90.841 W   33 N  4.1       1.1        18  NEAR COAST OF GUATEMALA. MD 4.3 (SSS). Felt (III) at San
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													Salvador, El Salvador.
16	15	13	18.2?	0.07	N	123.73	E	149	?	4.6	1.4	14	MINAHASSA PENINSULA, SULAWESI
16	15	25	45.4&	32.241	S	69.935	W	147				12	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.1 (GUC).
16	15	36	50.7&	38.290	N	0.180	E	8				11	SPAIN. <MDD>. mbLg 2.5 (MDD).
16	15	48	06.5&	33.527	S	70.604	W	86				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
16	15	49	05.7*	44.305	N	142.172	E	230	*	4.1	0.7	7	HOKKAIDO, JAPAN REGION
16	16	03	05.9	30.987	N	50.083	E	33	N	4.3	0.9	27	NORTHERN IRAN
16	16	33	54.8	46.066	N	14.977	E	10	G		0.5	6	NORTHWESTERN BALKAN REGION. ML 1.3 (LJU).
16	16	37	57.8*	39.358	N	72.764	E	83	?	3.9	1.2	10	KYRGYZSTAN
16	16	49	56.7&	31.937	S	71.875	W	12				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
16	17	25	40.1&	38.811	N	75.283	E	108	?		0.4	7	SOUTHERN XINJIANG, CHINA
16	18	14	16.5&	36.970	N	3.950	W	17				8	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.8 (MDD).
16	18	24	21.7*	36.993	N	71.341	E	133	?	4.1	1.1	16	AFGHANISTAN-TAJIKISTAN BORD REG.
16	19	53	20.7&	37.820	N	22.780	E	50				4	SOUTHERN GREECE. <ATH>. MD 2.5 (ATH).
16	20	09	32.5*	17.489	S	69.506	W	168			0.5	8	PERU-BOLIVIA BORDER REGION
16	20	21	59.7?	11.18	S	111.64	E	33	N	4.4	1.4	8	SOUTH OF JAWA, INDONESIA
16	20	35	26.5*	58.027	S	25.382	W	33	N	4.7 4.8	1.0	24	SOUTH SANDWICH ISLANDS REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:35:31.4; Lat 58.34 S; Lon 25.15 W; Dep 30.7; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.14, Plg=69, Azm=244; (N) Val=-0.10, Plg=8, Azm=356; (P) Val=-1.04, Plg=20, Azm=89; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=193, Dip=26, Slip=108; NP2: Strike=352, Dip=65, Slip=81.
16	21	06	50.6	13.840	N	120.729	E	100		4.7	0.9	54	MINDORO, PHILIPPINE ISLANDS
16	21	33	23.8&	32.366	S	71.418	W	35				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
16	22	07	51.7?	31.59	S	69.87	W	100	G		0.9	14	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (GUC).
16	22	16	46.7	6.500	N	126.995	E	97		5.0	0.9	78	MINDANAO, PHILIPPINE ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:16:50.2; Lat 6.59 N; Lon 126.99 E; Dep 74.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.11, Plg=66, Azm=296; (N) Val=-0.55, Plg=13, Azm=176; (P) Val=-4.56, Plg=20, Azm=81; Best double couple: Mo=4.8*10**16 Nm; NP1: Strike=150, Dip=27, Slip=61; NP2: Strike=2, Dip=66, Slip=104.
16	22	29	00.2&	63.541	N	147.942	W	16				21	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
16	22	47	20.7&	19.420	N	68.120	W	48				8	NORTH ATLANTIC OCEAN. <MPR>. MD 3.8 (MPR).
16	23	03	36.2&	19.590	N	67.880	W	25				5	MONA PASSAGE. <MPR>. MD 2.9 (MPR).
17	01	02	06.8&	44.100	N	7.100	E	2				20	NORTHERN ITALY. <LDG>. ML 2.4 (GEN), 2.0 (LDG).
17	01	32	23.0	4.632	S	144.827	E	100	G	4.4	1.0	19	NEAR N COAST OF NEW GUINEA, PNG.
17	03	16	08.7	26.830	S	113.290	W	10	G	5.4 5.5	0.8	96	EASTER ISLAND REGION. Mw 5.8 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 03:16:15.6; Lat 26.84 S; Lon 113.45 W; Dep 15.0 Fix; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=5.41, Plg=12, Azm=46; (N) Val=-0.68, Plg=67, Azm=167; (P) Val=-4.73, Plg=19, Azm=311; Best double couple: Mo=5.1*10**17 Nm; NP1: Strike=90, Dip=68, Slip=-175; NP2: Strike=358, Dip=86, Slip=-22.
17	03	33	08.1&	44.900	N	7.600	E	2				22	NORTHERN ITALY. <LDG>. ML 2.5 (GEN), 2.3 (LDG).
17	03	33	11.0&	11.002	N	60.223	W	112				5	WINDWARD ISLANDS. <TRN>. MD 2.8 (TRN).
17	03	34	49.8&	37.260	N	3.190	W	0	G			7	SPAIN. <MDD>. mbLg 1.7 (MDD).
17	03	57	58.9	7.666	N	82.780	W	17		5.2 5.5	0.9	180	SOUTH OF PANAMA. Mw 5.9 (GS), 5.8 (HRV). MD 5.2 (SJR). Moment Tensor (GS): Dep 35; Principal axes (scale 10**17 Nm): (T) Val=7.64, Plg=7, Azm=310; (N) Val=0.07, Plg=81, Azm=163; (P) Val=-7.72, Plg=5, Azm=41; Best double couple: Mo=7.7*10**17 Nm; NP1: Strike=86, Dip=82, Slip=2; NP2: Strike=356, Dip=88, Slip=172. Centroid, Moment Tensor (HRV): Centroid origin time 03:58:03.8; Lat 7.68 N Fix; Lon 82.83 W Fix; Dep 15.0 Fix; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=5.07, Plg=13, Azm=310; (N) Val=0.22, Plg=60, Azm=64; (P) Val=-5.29, Plg=27, Azm=213; Best double couple: Mo=5.2*10**17 Nm; NP1: Strike=355, Dip=61, Slip=-170; NP2: Strike=260, Dip=81, Slip=-29.
17	05	16	56.3&	7.515	N	82.855	W	7				6	SOUTH OF PANAMA. <UPA>. MD 4.3 (UPA).
17	05	27	26.7*	29.819	N	50.239	E	33	N	4.4	0.8	10	SOUTHERN IRAN
17	05	57	08.3&	11.136	N	60.722	W	18				5	WINDWARD ISLANDS. <TRN>. MD 2.6 (TRN).
17	06	00	16.4&	37.654	N	72.503	E	200	G	3.5	1.1	10	TAJIKISTAN
17	06	13	05.9&	32.491	S	71.684	W	15				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
17	07	48	25.9*	8.490	N	70.592	W	33	N	4.3	1.4	16	VENEZUELA
17	09	45	20.1?	6.78	N	123.92	E	500	G	4.4	1.0	13	MINDANAO, PHILIPPINE ISLANDS
17	10	14	56.6&	34.237	S	70.504	W	111				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
17	10	28	41.6*	4.249	N	126.483	E	33	N	4.1	1.0	12	TALAUD ISLANDS, INDONESIA
17	11	21	26.8&	36.898	N	23.214	E	61	?			6	SOUTHERN GREECE. <ATH>.
17	11	44	59.0&	59.888	N	153.409	W	146				22	SOUTHERN ALASKA. <AEIC>.
17	11	53	59.7*	5.149	S	133.530	E	33	N	4.3	1.3	16	ARU ISLANDS REGION, INDONESIA
17	13	00	04.7*	5.797	S	151.083	E	74	*		0.8	9	NEW BRITAIN REGION, P.N.G.
17	14	15	18.5*	5.514	N	77.782	E	10	G	4.5	1.0	18	LACCADIVE SEA
17	15	23	45.1&	46.200	N	7.000	E	2				6	SWITZERLAND. <LDG>. ML 2.3 (LDG).
17	15	26	43.0&	50.430	N	130.180	W	10	G			9	VANCOUVER ISLAND REGION. <PGC-P>. ML 2.8 (PGC).
17	15	30	50.3?	24.69	N	96.37	E	100	G	4.3	1.0	9	MYANMAR
17	16	28	36.0*	33.794	N	104.591	E	33	N	4.7	0.8	13	GANSU, CHINA
17	16	49	30.9&	39.310	N	21.450	E	9				5	GREECE. <ATH>. MD 2.9 (ATH).
17	17	08	02.3	21.695	S	179.131	W	600	G	5.1	0.9	217	FIJI ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:08:06.1; Lat 21.26 S; Lon 179.18 W; Dep 586.2; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.26, Plg=27, Azm=138; (N) Val=0.19, Plg=2, Azm=47; (P) Val=-1.45, Plg=63, Azm=313; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=233, Dip=18, Slip=-83; NP2: Strike=47, Dip=72, Slip=-92.
17	18	08	27.2*	40.055	N	74.920	E	33	N	3.6	1.2	6	KYRGYZSTAN-XINJIANG BORDER REG.
17	18	09	37.9	45.026	N	8.047	E	10	G		0.7	20	NORTHERN ITALY. ML 2.7 (GEN), 2.3 (LDG).

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17  18 17 39.2*  1.313 S  122.285 E   33 N           1.0    7  SULAWESI, INDONESIA
17  19 29 25.7& 62.156 N  150.276 W   51                    21  CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 2.7 (PMR).
17  20 17 59.3* 26.804 S   26.497 E    5 G  4.7       1.0   11  REPUBLIC OF SOUTH AFRICA
17  21 04 28.9   1.636 N  127.101 E  100 G  4.8       0.8   24  HALMAHERA, INDONESIA
17  21 41 03.8* 48.663 S   31.116 E   10 G  4.4       0.9   10  SOUTH OF AFRICA
17  22 27 32.3  22.675 N  120.959 E   33 N  5.2 5.1    0.9  144  TAIWAN. Mw 5.3 (HRV). Felt in much of southern Taiwan.
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                22:27:34.1; Lat 22.74 N; Lon 120.60 E; Dep 43.0; Half-
                                                                duration 1.1 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.17, Plg=67, Azm=156; (N) Val=-0.08, Plg=23, Azm=333;
                                                                (P) Val=-1.09, Plg=1, Azm=63; Best double couple:
                                                                Mo=1.1*10**17 Nm; NP1: Strike=175, Dip=48, Slip=122; NP2:
                                                                Strike=312, Dip=51, Slip=60.
17  22 33 50.0& 38.680 N  119.810 W    7                    12  CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 3.1 (REN). ML
                                                                3.3 (BRK), 3.3 (GS). Felt in the Markleeville, California
                                                                area.
17  22 39 10.3& 38.310 N   21.680 E   65 *  3.9          18  GREECE. <ATH>. MD 3.4 (ATH).
17  23 07 27.2& 44.600 N    7.000 E    2                    26  NORTHERN ITALY. <LDG>. ML 2.3 (GEN), 2.2 (LDG), 1.9 (STR).
17  23 26 01.4* 13.627 N  144.694 E   33 N           0.9    9  MARIANA ISLANDS
18  00 05 26.4* 25.614 N  124.852 E  156 *           0.8    9  NORTHEAST OF TAIWAN
18  00 58 05.7* 24.953 N  141.565 E  123 D  4.4       1.2   19  VOLCANO ISLANDS REGION
18  01 38 09.9*  2.941 S  127.514 E   33 N  4.8       1.0    8  CERAM SEA
18  01 38 46.6*  5.441 S  128.158 E  218 *  4.4       0.9   12  BANDA SEA
18  01 45 39.4*  0.304 N  122.215 E  169 *  4.7       0.8   18  MINAHASSA PENINSULA, SULAWESI
18  02 32 15.6*  3.012 S  130.254 E   33 N  4.2       1.2    6  SERAM, INDONESIA
18  02 36 29.6  28.658 N  131.916 E   33 N  4.6       1.0   24  SOUTHEAST OF RYUKYU ISLANDS
18  03 37 21.7* 37.047 N  138.511 E   33 N           0.4    6  NEAR WEST COAST OF HONSHU, JAPAN
18  04 08 01.8? 36.22  N   71.39  E  150 G  4.0       1.5   10  AFGHANISTAN-TAJIKISTAN BORD REG.
18  04 59 50.5*  4.226 S  129.539 E   33 N  4.3       1.1   14  BANDA SEA
18  05 05 01.0& 32.576 S   71.525 W   33                    13  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC). Felt (III)
                                                                at Concon, Papudo, Puchuncavi, Quillota, Quilpue, Quintero,
                                                                Valparaiso and Vina del Mar; (II) at San Felipe.
18  05 09 46.9& 36.792 N  121.531 W   11                     8  CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM).
18  05 16 35.5& 31.400 S   69.763 W  148                     9  SAN JUAN PROVINCE, ARGENTINA. <GUC>.
18  05 33 05.9*  3.091 S  142.106 E   33 N  3.8       1.0   10  NEAR N COAST OF NEW GUINEA, PNG.
18  05 47 16.1& 36.770 N    7.080 W    5                    11  STRAIT OF GIBRALTAR. <MDD>. mbLg 2.6 (MDD).
18  07 32 53.6  10.551 S  165.116 E   62 *  4.8       0.8   45  SANTA CRUZ ISLANDS
18  07 39 23.0  30.302 N   57.563 E   33 N  4.9 5.1    1.1   76  NORTHERN IRAN. Mw 5.4 (HRV). Damage in Kerman Province.
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                07:39:22.9; Lat 30.26 N; Lon 57.38 E; Dep 15.0 Fix; Half-
                                                                duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.28, Plg=28, Azm=137; (N) Val=0.03, Plg=54, Azm=276;
                                                                (P) Val=-1.31, Plg=20, Azm=36; Best double couple:
                                                                Mo=1.3*10**17 Nm; NP1: Strike=174, Dip=55, Slip=173; NP2:
                                                                Strike=268, Dip=85, Slip=35.
18  07 53 39.8  30.280 N   57.567 E   33 N  4.6       0.5   14  NORTHERN IRAN
18  08 33 53.7  39.329 S  174.840 E   10 G           0.6   11  NORTH ISLAND, NEW ZEALAND. ML 4.0 (WEL). Felt at
                                                                Whangamomona.
18  09 05 49.7* 31.203 S   68.698 W  113 *           0.9   17  SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (GUC).
18  10 03 56.7* 36.314 N   71.369 E  118 ?  4.2       0.8   11  AFGHANISTAN-TAJIKISTAN BORD REG.
18  10 42 05.5* 72.349 N    3.178 E   10 G           1.1    6  NORWEGIAN SEA
18  10 57 28.2& 44.400 N    7.700 E    2                     8  NORTHERN ITALY. <LDG>. ML 2.3 (LDG).
18  11 21 27.2& 36.890 N   23.200 E   61                     6  SOUTHERN GREECE. <ATH>.
18  11 37 19.7  38.365 N   45.169 E   33 N  4.8 4.2    1.1   69  ARMENIA-AZERBAIJAN-IRAN BORD REG
18  11 39 10.5* 18.265 S  178.064 W  600 G  4.6       0.7   21  FIJI ISLANDS REGION
18  11 40 39.3  20.932 S  168.597 E   33 N  5.0 4.6    0.8   89  LOYALTY ISLANDS. Mw 5.4 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                11:40:44.5; Lat 20.50 S; Lon 168.12 E; Dep 15.0 Fix; Half-
                                                                duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=1.10, Plg=28, Azm=219; (N) Val=0.38, Plg=7, Azm=125;
                                                                (P) Val=-1.48, Plg=61, Azm=23; Best double couple:
                                                                Mo=1.3*10**17 Nm; NP1: Strike=327, Dip=18, Slip=-68; NP2:
                                                                Strike=123, Dip=73, Slip=-97.
18  12 10 48.7* 41.539 S  173.183 E  100 G           0.7   11  SOUTH ISLAND, NEW ZEALAND
18  12 32 37.3& 36.809 N  121.536 W    8                    10  CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
18  13 57 15.9   5.512 S  146.030 E   50     4.3       1.0   24  EASTERN NEW GUINEA REG., P.N.G.
18  14 07 02.1& 53.533 N  165.633 W    3                     8  FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.4 (AEIC).
18  14 57 48.9& 30.732 S   72.150 W   33 N                  11  OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
18  15 48 40.8   3.315 S  130.766 E   33 N  5.3 5.7    1.0   67  SERAM, INDONESIA. Mw 6.0 (GS), 6.0 (HRV).
                                                               Moment Tensor (GS): Dep 8; Principal axes (scale 10**18 Nm):
                                                                (T) Val=1.07, Plg=50, Azm=214; (N) Val=-0.04, Plg=13,
                                                                Azm=321; (P) Val=-1.03, Plg=37, Azm=61; Best double couple:
                                                                Mo=1.1*10**18 Nm; NP1: Strike=203, Dip=15, Slip=153; NP2:
                                                                Strike=319, Dip=83, Slip=76.
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                                15:48:46.7; Lat 3.19 S; Lon 130.76 E; Dep 15.0 Fix; Half-
                                                                duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                                Val=9.94, Plg=62, Azm=244; (N) Val=0.05, Plg=8, Azm=140;
                                                                (P) Val=-9.98, Plg=27, Azm=46; Best double couple:
                                                                Mo=1.0*10**18 Nm; NP1: Strike=117, Dip=19, Slip=66; NP2:
                                                                Strike=322, Dip=73, Slip=98.
18  15 49 02.1& 34.330 N  116.842 W    6                    24  SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
18  16 04 21.4*  0.376 N  125.224 E   33 N  3.7       1.1    9  NORTHERN MOLUCCA SEA
18  16 30 04.5* 26.881 S   26.757 E    5 G  4.8       1.2   21  REPUBLIC OF SOUTH AFRICA
18  16 36 15.6*  3.334 S  130.788 E   33 N  4.2       1.4   22  SERAM, INDONESIA
18  17 37 41.0& 58.001 N  151.063 W  113                    47  KODIAK ISLAND REGION. <AEIC>.
18  19 03 47.9& 19.040 N   68.050 W   25                     4  NORTH ATLANTIC OCEAN. <MPR>. MD 3.3 (MPR).
18  19 08 18.9& 37.190 N    3.730 W    0 G                  10  SPAIN. <MDD>. mbLg 2.0 (MDD).
18  20 07 53.6*  3.464 S  130.849 E   33 N  3.9       1.0   15  SERAM, INDONESIA
18  20 13 12.8& 34.325 N  118.468 W    4                     4  SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt in the San
                                                                Fernando Valley.
18  20 29 09.8& 32.510 S   71.360 W   43                     8  NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
18  20 57 28.3& 37.180 N    3.660 W    0 G                   7  SPAIN. <MDD>. mbLg 1.8 (MDD).
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18	20	58	49.6&	10.942	N	61.863	W	64				1.3	6	TRINIDAD. <TRN>. MD 3.1 (TRN).
18	21	13	28.3*	6.733	S	129.966	E	33	N	4.3		1.3	21	BANDA SEA
18	21	43	45.2*	32.319	S	179.453	E	500	G	4.5		0.6	13	SOUTH OF KERMADEC ISLANDS
18	22	40	25.8&	60.011	N	152.256	W	70					24	SOUTHERN ALASKA. <AEIC>.
18	22	48	22.7&	32.599	S	71.710	W	23					7	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
18	23	18	09.7	37.004	N	3.789	W	10	G			0.9	64	SPAIN. mbLg 4.0 (MDD). Felt (V) at Agron, Albunuelas, Alhama, Alhendin, Arenas del Rey, Cozvijar, Escuzar, Fornes, Jatar and Jayena; (IV) at Cajar, Chimeneas, Colomera, Cullar-Vega, Dilar, Durcal, El Turro, Frigiliana, Granada, Itrabo, Molvizar, Motril, Ogijares, Otura, Padul, Salobrena, Santa Cruz, Santa Fe, Valle de Lecrin and Zubia. Felt (III) in other parts of Granada and Malaga Provinces.
18	23	28	33.1&	10.820	N	62.098	W	82					4	NEAR COAST OF VENEZUELA. <TRN>. MD 2.8 (TRN).
18	23	54	17.8	51.681	N	16.076	E	5	G			0.9	42	POLAND. ML 4.4 (GRF), 4.0 (FUR), 4.0 (VIE), 3.8 (WAR).
19	00	32	27.2&	7.306	N	77.398	W	5	G				5	PANAMA-COLOMBIA BORDER REGION. <UPA>. MD 4.1 (UPA).
19	01	03	59.9&	39.090	N	0.750	W	15					13	SPAIN. <MDD>. mbLg 2.5 (MDD).
19	01	20	10.5*	23.683	S	64.537	W	33	N			0.7	10	JUJUY PROVINCE, ARGENTINA
19	02	03	36.4&	43.102	N	18.893	E	4					8	NORTHWESTERN BALKAN REGION. <PDG>. ML 2.5 (PDG).
19	02	19	58.2&	32.085	S	71.710	W	13					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
19	02	56	53.2&	52.561	N	142.622	E	33	N			1.4	7	SAKHALIN ISLAND
19	03	01	10.9&	33.871	S	70.127	W	4					7	CHILE-ARGENTINA BORDER REGION. <GUC>.
19	03	36	25.6*	0.314	N	122.541	E	100	G	4.4		0.8	14	MINAHASSA PENINSULA, SULAWESI
19	03	40	46.7&	18.280	N	67.770	W	4					5	MONA PASSAGE. <MPR>. MD 3.0 (MPR).
19	03	54	23.4&	36.650	N	27.550	E	40		3.8			20	DODECANESE ISLANDS. <ATH>.
19	04	12	44.5	3.527	S	130.702	E	33	*	4.6		1.2	25	SERAM, INDONESIA
19	04	25	01.6&	37.360	N	20.360	E	5					15	IONIAN SEA. <ATH>. MD 3.8 (ATH).
19	04	43	25.2&	40.300	N	25.220	E	24					7	AEGEAN SEA. <ATH>. MD 3.7 (ATH).
19	05	09	30.1	2.886	S	139.466	E	40	*	5.0	4.9	1.1	45	NEAR NORTH COAST OF IRIAN JAYA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:09:33.8; Lat 2.74 S; Lon 139.52 E; Dep 18.0 Bdy; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.36, Plg=59, Azm=292; (N) Val=-2.30, Plg=21, Azm=162; (P) Val=-6.06, Plg=22, Azm=63; Best double couple: Mo=7.2*10**16 Nm; NP1: Strike=120, Dip=30, Slip=43; NP2: Strike=350, Dip=70, Slip=113.
19	05	16	23.7&	37.670	N	20.780	E	5					4	IONIAN SEA. <ATH>. MD 3.1 (ATH).
19	05	25	30.2*	7.235	S	129.178	E	33	N	4.6		1.4	17	BANDA SEA
19	05	31	36.0*	80.171	N	0.224	E	10	G	4.0		1.4	15	NORTH OF SVALBARD
19	05	36	14.3*	57.415	S	24.868	W	33	N	4.6		1.5	16	SOUTH SANDWICH ISLANDS REGION
19	05	40	35.2&	10.474	N	62.416	W	55					9	NEAR COAST OF VENEZUELA. <TRN>. MD 3.6 (TRN).
19	07	08	03.8*	30.131	N	51.062	E	33	N	4.3		1.5	9	NORTHERN IRAN
19	07	28	07.3*	9.045	S	78.618	W	73	*	4.7		0.7	34	NEAR COAST OF NORTHERN PERU
19	07	59	53.9&	61.787	N	150.830	W	76					23	SOUTHERN ALASKA. <AEIC>.
19	08	50	03.8*	6.628	S	147.349	E	33	N			1.4	5	EASTERN NEW GUINEA REG., P.N.G.
19	10	17	46.6*	72.378	N	3.520	E	10	G	4.7		1.4	23	NORWEGIAN SEA
19	10	29	56.3*	23.701	N	122.101	E	10	G	4.6		1.4	14	TAIWAN REGION
19	10	30	45.2&	34.976	S	70.356	W	151					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
19	10	47	06.1&	11.018	N	62.244	W	107					6	WINDWARD ISLANDS. <TRN>. MD 3.2 (TRN).
19	10	58	12.1&	35.780	N	24.120	E	5					16	CRETE. <ATH>. MD 3.7 (ATH).
19	11	31	16.5	27.294	N	100.881	E	33	N	4.4		0.9	33	YUNNAN, CHINA
19	11	38	14.8	27.308	N	101.029	E	33	N	5.2	5.6	1.0	143	SICHUAN, CHINA. Mw 5.6 (HRV). Five people killed, at least 1,543 injured, more than 23,600 homeless, over 12,000 houses destroyed, about 16,000 buildings damaged, 47 bridges and 36 reservoirs damaged, power and communications cut off in Huaping, Lijiang, Ninglang and Yongsheng Counties. Landslides blocked a river in the epicentral area. Centroid, Moment Tensor (HRV): Centroid origin time 11:38:17.7; Lat 27.25 N; Lon 101.47 E; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.55, Plg=1, Azm=257; (N) Val=0.26, Plg=76, Azm=163; (P) Val=-2.82, Plg=14, Azm=347; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=31, Dip=79, Slip=-9; NP2: Strike=123, Dip=81, Slip=-169.
19	11	44	02.7?	17.41	S	176.19	W	33	N			0.5	5	FIJI ISLANDS REGION
[illegible]			55.[illegible]	39.631	N	29.405	E	5					5	TURKEY. <ISK>. MD 2.6 (ISK).
[illegible]			47.6&	.860	N	22.940	E	5					9	GREECE. <ATH>. MD 3.2 (ATH).
[illegible]	12	[illegible]	03.1	[illegible].087	S	124.715	E	33	N	4.8		1.2	24	TIMOR REGION, INDONESIA
19	12	03	47.4	5.167	N	126.143	E	89	D	5.5		1.0	106	MINDANAO, PHILIPPINE ISLANDS. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:03:49.1; Lat 5.37 N; Lon 126.23 E; Dep 92.2; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=3.54, Plg=61, Azm=103; (N) Val=2.24, Plg=10, Azm=354; (P) Val=-5.77, Plg=27, Azm=259; Best double couple: Mo=4.7*10**17 Nm; NP1: Strike=325, Dip=20, Slip=60; NP2: Strike=177, Dip=73, Slip=101.
19	12	09	33.0&	29.700	N	34.630	E	16					15	EGYPT. <GII>. ML 4.5 (GII).
19	12	17	54.7	51.413	N	15.997	E	5	G			0.8	17	POLAND. ML 3.6 (GRF), 3.4 (VIE).
19	12	25	07.1&	48.790	N	8.940	E	1	G				6	GERMANY. <STR>. ML 1.9 (STR).
19	12	41	58.7*	30.566	N	79.389	E	33	N	3.9		1.2	11	XIZANG-INDIA BORDER REGION
19	12	44	20.4	11.731	S	73.383	W	42	*	4.3		0.7	21	CENTRAL PERU
19	12	48	26.5&	33.546	S	73.113	W	10					8	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
19	12	53	48.7	51.310	N	178.714	E	33	N	4.8	4.5	1.0	85	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.9 (PMR).
19	13	08	36.9&	37.090	N	21.850	E	5					4	SOUTHERN GREECE. <ATH>. MD 3.0 (ATH).
19	13	10	10.0*	32.365	S	179.827	E	400	G	4.1		1.1	19	SOUTH OF KERMADEC ISLANDS
19	13	14	55.0*	36.091	N	54.046	E	33	N	4.0		1.1	13	NORTHERN IRAN
19	13	26	47.1&	37.722	N	30.778	E	6					11	TURKEY. <ISK>. MD 3.6 (ISK).
19	14	06	24.2*	13.965	N	120.211	E	33	N	4.2		0.8	9	MINDORO, PHILIPPINE ISLANDS
19	14	49	41.1&	40.983	N	29.588	E	10	G				4	TURKEY. <ISK>. MD 2.5 (ISK).
19	14	57	40.2&	59.627	N	151.919	W	57					24	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.4 (AEIC).
19	15	01	15.1&	10.423	N	60.697	W	34		4.1			13	TRINIDAD. <TRN>. MD 3.7 (TRN).
19	15	39	19.1	22.605	N	125.783	E	10	G	5.8	6.0	1.3	248	SOUTHEAST OF TAIWAN. Mw 6.3 (GS), 6.3 (HRV). Me 6.7 (GS). Felt (II JMA) on Iriomote-shima and Ishigaki-shima; (I JMA) on Kume-shima, Miyako-shima and Yonaguni, Ryukyu Islands.

Broadband Source Parameters (GS): Dep 7; NP1: Strike=230, Dip=85, Slip=175; NP2: Strike=320, Dip=85, Slip=5; Radiated energy 2.7*10**14 Nm.
Moment Tensor (GS): Dep 3; Principal axes (scale 10**18 Nm): (T) Val=2.81, Plg=0, Azm=177; (N) Val=-0.02, Plg=72, Azm=86; (P) Val=-2.79, Plg=18, Azm=267; Best double couple: Mo=2.8*10**18 Nm; NP1: Strike=311, Dip=77, Slip=-13; NP2: Strike=44, Dip=78, Slip=-167.
Centroid, Moment Tensor (HRV): Centroid origin time 15:39:21.9; Lat 22.58 N; Lon 125.78 E; Dep 16.0 Fix; Half-duration 3.6 sec; Principal axes (scale 10**18 Nm): (T) Val=3.83, Plg=1, Azm=179; (N) Val=-1.12, Plg=86, Azm=76; (P) Val=-2.71, Plg=4, Azm=269; Best double couple: Mo=3.3*10**18 Nm; NP1: Strike=314, Dip=87, Slip=-2; NP2: Strike=44, Dip=88, Slip=-177.
Scalar Moment (PPT): Mo=3.7*10**18 Nm.

19	15	52	51.7*	20.399	S	177.857	W	449	?	4.2	1.0	20	FIJI ISLANDS REGION
19	16	01	56.4&	38.025	N	38.731	E	12				7	TURKEY. <ISK>. MD 3.2 (ISK).
19	16	09	41.6&	44.176	N	7.709	E	8				10	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
19	16	34	16.3	30.420	N	79.163	E	33	N	4.5	1.1	34	XIZANG-INDIA BORDER REGION
19	16	38	30.7&	38.068	N	74.390	E	200	G		1.0	7	TAJIKISTAN-XINJIANG BORDER REG.
19	16	48	43.0&	33.419	S	71.554	W	47				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
19	16	51	16.7&	33.125	S	70.242	W	6				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
19	17	21	32.9&	59.445	N	151.745	W	58				22	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC).
19	17	51	32.8*	5.087	S	151.370	E	149	*	4.4	1.2	25	NEW BRITAIN REGION, P.N.G.
19	18	01	32.5&	40.233	N	28.904	E	5				5	TURKEY. <ISK>. MD 2.6 (ISK).
19	18	12	59.5*	28.482	S	176.680	W	33	N	4.6	1.4	29	KERMADEC ISLANDS REGION
19	19	15	28.1&	38.115	N	38.932	E	7				8	TURKEY. <ISK>. MD 3.2 (ISK).
19	19	25	03.8&	38.330	N	21.850	E	3				8	GREECE. <ATH>. MD 3.1 (ATH).
19	19	31	06.0&	49.140	N	6.840	E	1	G			13	GERMANY. <FBB>. ML 2.9 (FBB), 2.9 (GRF), 2.6 (UCC). Mining induced event in the Lorraine region, France.
19	20	17	33.9?	29.01	S	177.36	W	33	N	4.3	1.4	18	KERMADEC ISLANDS, NEW ZEALAND
19	20	22	12.3?	14.63	S	175.74	W	33	N	4.6	1.4	18	SAMOA ISLANDS REGION
19	20	26	37.2?	31.34	S	69.27	W	100	G		1.0	14	SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (GUC).
19	20	50	31.4	1.681	N	126.543	E	33	N	5.5 5.1	1.3	109	NORTHERN MOLUCCA SEA. Mw 5.5 (HRV). Felt (III) on Ternate, Indonesia.
													Centroid, Moment Tensor (HRV): Centroid origin time 20:50:38.5; Lat 2.51 N; Lon 126.51 E; Dep 33.6; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.42, Plg=70, Azm=149; (N) Val=-0.36, Plg=0, Azm=239; (P) Val=-2.05, Plg=20, Azm=329; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=59, Dip=25, Slip=90; NP2: Strike=239, Dip=65, Slip=90.
19	21	03	46.1&	34.511	S	70.535	W	120				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
19	21	11	11.3*	39.236	N	26.603	E	10	G		0.9	6	TURKEY. MD 3.4 (ATH).
19	21	23	27.6&	32.907	S	70.515	W	8				5	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
19	21	32	54.5*	36.890	N	71.127	E	80	?	4.0	0.9	12	AFGHANISTAN-TAJIKISTAN BORD REG.
19	22	26	05.0*	3.171	S	130.803	E	33	N	3.3	1.2	11	SERAM, INDONESIA
19	22	32	52.4*	26.582	S	113.932	W	10	G	5.0 4.7	1.1	31	EASTER ISLAND REGION. Mw 5.2 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 22:32:56.5; Lat 26.78 S; Lon 113.18 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.97, Plg=0, Azm=225; (N) Val=0.35, Plg=90, Azm=180; (P) Val=-6.32, Plg=0, Azm=135; Best double couple: Mo=6.2*10**16 Nm; NP1: Strike=270, Dip=90, Slip=-180; NP2: Strike=0, Dip=90, Slip=0.
19	23	12	10.4&	35.530	N	25.630	E	58				5	CRETE. <ATH>. MD 3.4 (ATH).
20	00	35	29.8&	62.911	N	149.524	W	80				28	CENTRAL ALASKA. <AEIC>.
20	00	58	34.0&	32.722	S	71.704	W	17				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
20	01	08	47.5&	32.761	S	71.659	W	14				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
20	01	14	08.4	15.349	N	61.419	W	123		3.9	1.0	31	LEEWARD ISLANDS. MD 4.2 (TRN).
20	01	23	22.8*	52.593	N	166.662	W	33	N		0.5	5	FOX ISLANDS, ALEUTIAN ISLANDS
20	01	25	40.0&	32.766	S	71.687	W	16				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
20	01	49	30.6&	10.853	N	62.423	W	27				6	NEAR COAST OF VENEZUELA. <TRN>. MD 3.2 (TRN).
20	04	13	27.4	2.949	S	141.936	E	33	N	4.3	1.1	26	NEAR N COAST OF NEW GUINEA, PNG.
20	04	17	51.5*	31.455	S	68.942	W	100	G		1.0	14	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (GUC).
20	04	43	25.2&	40.300	N	25.220	E	24				17	AEGEAN SEA. <ATH>. MD 3.7 (ATH).
20	04	45	37.2&	10.821	N	61.195	W	33	N			4	TRINIDAD. <TRN>. MD 2.2 (TRN).
20	05	25	57.6&	43.118	N	19.447	E	0				8	NORTHWESTERN BALKAN REGION. <PDG>. ML 2.3 (PDG).
20	05	34	36.0	3.334	N	123.242	E	498	*	4.5	1.1	36	CELEBES SEA
20	07	51	42.4?	4.99	S	145.70	E	135	*		1.4	7	NEAR N COAST OF NEW GUINEA, PNG.
20	07	54	02.5?	55.42	N	162.26	W	98	?		1.4	11	ALASKA PENINSULA
20	08	07	42.1?	5.62	S	151.25	E	33	N	3.8	1.3	6	NEW BRITAIN REGION, P.N.G.
20	08	29	37.2&	36.190	N	25.990	E	30				7	DODECANESE ISLANDS. <ATH>. MD 3.5 (ATH).
20	10	12	34.3*	33.324	S	68.141	W	10	G		0.8	14	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (GUC).
20	10	53	32.2*	31.435	N	70.080	E	10	G		0.4	8	PAKISTAN
20	11	09	37.9*	3.721	N	126.518	E	33	N	4.3	0.8	13	TALAUD ISLANDS, INDONESIA
20	13	49	26.5	5.216	S	145.616	E	64		4.3	0.9	21	EASTERN NEW GUINEA REG., P.N.G.
20	13	53	35.9&	10.179	N	60.481	W	32				13	TRINIDAD. <TRN>. MD 3.8 (TRN).
20	14	12	17.2&	63.525	N	151.244	W	11				46	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.2 (PMR).
20	14	41	54.4&	32.085	S	69.950	W	135				12	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.1 (GUC).
20	14	44	32.4?	4.19	S	103.90	E	33	N	4.3	1.5	10	SOUTHERN SUMATERA, INDONESIA
20	14	56	52.3&	34.459	S	70.373	W	9				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
20	15	50	49.5*	49.190	N	148.208	E	577	*	3.9	0.8	16	NORTHWEST OF KURIL ISLANDS
20	15	58	10.0?	16.05	N	121.65	E	33	N	3.9	0.7	9	LUZON, PHILIPPINE ISLANDS
20	16	07	01.9*	53.584	N	164.366	W	33	N	4.5	1.1	27	UNIMAK ISLAND REGION
20	16	07	52.9&	44.322	N	7.273	E	13				6	NORTHERN ITALY. <GEN>. ML 1.5 (GEN).
20	16	28	39.0*	21.607	N	143.589	E	33	N	4.5 3.9	1.5	28	MARIANA ISLANDS REGION
20	16	40	19.7	36.420	N	141.257	E	39	D	4.6	1.3	47	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in northern Chiba, eastern Fukushima, eastern Saitama and parts of Ibaraki and Tochigi Prefectures.
20	17	05	14.8*	21.563	N	143.388	E	33	N	4.1	1.1	13	MARIANA ISLANDS REGION
20	17	47	34.3*	17.615	S	69.562	W	161	*		0.8	8	PERU-BOLIVIA BORDER REGION. Felt (II) at Arica, Chile.

20	18	14	32.7	28.384	S	112.814	W	10	G	4.8	5.0	0.9	42	EASTER ISLAND REGION. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 18:14:40.9; Lat 28.52 S; Lon 112.69 W; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.00, Plg=24, Azm=260; (N) Val=0.20, Plg=64, Azm=105; (P) Val=-1.21, Plg=10, Azm=354; Best double couple: Mo=1.1*10**17 Nm; NP1: Strike=39, Dip=66, Slip=10; NP2: Strike=305, Dip=80, Slip=156.
20	20	14	39.3	12.689	N	44.439	W	10	G	4.6	4.4	0.8	44	NORTHERN MID-ATLANTIC RIDGE
20	21	05	07.5*	5.421	S	147.102	E	218	*	3.7		0.9	14	EASTERN NEW GUINEA REG., P.N.G.
20	21	23	38.1	16.291	S	178.088	W	438	*	5.2		0.9	175	FIJI ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:23:45.5; Lat 16.15 S; Lon 177.84 W; Dep 455.2; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.37, Plg=69, Azm=62; (N) Val=-0.02, Plg=8, Azm=311; (P) Val=-1.36, Plg=19, Azm=218; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=295, Dip=26, Slip=72; NP2: Strike=135, Dip=65, Slip=99.
20	21	52	28.0&	60.213	N	151.135	W	46					17	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
20	23	14	59.8&	39.389	N	28.198	E	8					6	TURKEY. <ISK>. MD 2.7 (ISK).
20	23	32	28.4	4.577	S	144.277	E	95	*	4.2		0.9	18	NEAR N COAST OF NEW GUINEA, PNG.
20	23	35	43.9&	59.823	N	153.289	W	118					18	SOUTHERN ALASKA. <AEIC>.
20	23	42	34.2	4.768	S	103.138	E	87	*	4.8		0.9	29	SOUTHERN SUMATERA, INDONESIA
20	23	48	10.8&	32.951	S	70.219	W	104					7	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 1.9 (GUC).
20	23	58	09.1&	34.222	N	117.445	W	8					24	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
21	00	19	54.6?	15.81	S	178.28	W	400	G	3.8		0.9	21	FIJI ISLANDS REGION
21	00	53	38.7%	15.676	N	94.317	E	33	N			0.7	6	NEAR SOUTH COAST OF MYANMAR
21	01	17	59.7&	18.840	N	65.230	W	72					4	PUERTO RICO REGION. <MPR>. MD 3.1 (MPR).
21	01	21	20.6&	34.453	S	70.411	W	11					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
21	03	24	37.0?	5.63	N	127.70	E	33	N	4.3		1.4	10	PHILIPPINE ISLANDS REGION
21	03	56	33.5&	33.260	S	72.304	W	12					11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
21	04	25	17.3	35.775	N	4.595	W	100	G			0.7	31	STRAIT OF GIBRALTAR
21	04	34	08.0&	31.872	S	71.503	W	44					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
21	04	38	01.5*	47.729	N	16.047	E	10	G			0.4	5	AUSTRIA. ML 2.5 (VIE).
21	04	59	03.5&	34.248	S	70.753	W	101					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
21	05	53	52.7*	24.037	S	179.885	E	557	?	4.2		0.8	39	SOUTH OF FIJI ISLANDS
21	06	05	21.6	7.002	S	128.600	E	33	N	4.8	4.3	1.3	41	BANDA SEA
21	06	10	11.1&	61.221	N	149.931	W	40					19	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
21	06	20	29.3&	38.968	N	26.971	E	6					14	AEGEAN SEA. <ISK>. MD 3.5 (ISK).
21	06	28	32.4&	32.666	S	71.073	W	8					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
21	06	42	47.6&	8.322	N	82.871	W	10					4	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.8 (UPA).
21	06	43	52.3*	16.119	N	96.395	W	33	N	3.9		1.2	30	OAXACA, MEXICO
21	06	44	00.5*	51.220	N	15.809	E	5	G			0.3	6	POLAND. ML 2.8 (WAR), 2.4 (CLL).
21	07	05	28.5%	71.595	N	1.265	W	10	G			1.3	6	JAN MAYEN ISLAND REGION
21	07	20	31.3&	8.775	N	82.518	W	41					6	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.7 (UPA).
21	07	22	17.0&	8.664	N	82.475	W	10					5	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.1 (UPA).
21	08	01	53.9*	10.995	N	86.117	W	33	N	4.3		0.7	16	OFF COAST OF COSTA RICA
21	09	13	49.7&	38.896	N	27.272	E	5					4	TURKEY. <ISK>. MD 2.8 (ISK).
21	09	34	27.2	24.045	S	179.975	E	516	D	4.8		1.0	75	SOUTH OF FIJI ISLANDS
21	09	45	42.2	4.313	S	143.120	E	100	G	4.8		0.8	35	NEW GUINEA, PAPUA NEW GUINEA
21	10	22	41.3?	0.93	S	126.98	E	33	N	4.1		1.3	9	SOUTHERN MOLUCCA SEA
21	11	10	57.1&	60.144	N	152.112	W	70					19	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
21	11	46	08.4	42.211	N	73.999	E	18	*	4.6		1.1	49	KYRGYZSTAN
21	12	06	27.4	26.673	N	126.330	E	82	D	4.8		1.3	39	RYUKYU ISLANDS
21	12	37	46.2&	19.060	N	68.230	W	15					5	NORTH ATLANTIC OCEAN. <MPR>. MD 3.5 (MPR).
21	13	27	16.0%	38.989	S	174.736	E	250	G			0.4	12	NORTH ISLAND, NEW ZEALAND
21	13	29	42.8&	11.884	N	61.433	W	96					6	WINDWARD ISLANDS. <TRN>. MD 3.0 (TRN).
21	13	40	28.3&	33.119	S	70.445	W	98					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
21	14	01	19.9?	38.65	S	175.02	E	250	G			0.4	8	NORTH ISLAND, NEW ZEALAND
21	14	09	41.2*	6.864	N	33.887	W	10	G	4.3		0.8	12	CENTRAL MID-ATLANTIC RIDGE
21	14	47	15.5&	33.783	S	71.559	W	42					13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
21	15	02	41.8&	62.580	N	151.228	W	81					19	CENTRAL ALASKA. <AEIC>.
	15	05	02.4*	36.958	N	141.718	E	33	N			1.4	7	NEAR EAST COAST OF HONSHU, JAPAN
		45	55	17.175	N	120.184	E	110	D	4.2		0.8	19	LUZON, PHILIPPINE ISLANDS
		43	08.8	38.283	N	21.746	E	33	N	3.9		0.9	21	GREECE. ML 3.5 (ATH). Felt at Patrai.
21	16	59	47.9	49.233	N	89.186	E	10	G	5.2	4.7	1.0	190	RUSSIA-MONGOLIA BORDER REGION. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:59:54.1; Lat 49.21 N; Lon 88.89 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.22, Plg=62, Azm=241; (N) Val=-1.62, Plg=3, Azm=146; (P) Val=-6.60, Plg=28, Azm=54; Best double couple: Mo=7.4*10**16 Nm; NP1: Strike=136, Dip=18, Slip=80; NP2: Strike=327, Dip=73, Slip=93.
21	17	10	47.9	6.233	S	130.208	E	111	*	4.5		1.1	24	BANDA SEA
21	17	29	47.7?	37.97	S	175.95	E	250	G			0.3	13	NORTH ISLAND, NEW ZEALAND
21	17	51	21.1	9.747	N	79.900	W	33	N	4.2		1.1	16	PANAMA. MD 3.9 (UPA).
21	18	27	06.6&	45.500	N	6.800	E	3					5	FRANCE. <LDG>. ML 1.6 (LDG).
21	18	28	41.5?	8.15	S	74.02	W	180	?			0.6	8	PERU-BRAZIL BORDER REGION
21	18	56	33.8	42.856	N	139.239	E	231		4.1		1.0	32	HOKKAIDO, JAPAN REGION
21	20	50	57.0	50.455	N	18.970	E	5	G			1.4	9	POLAND. ML 3.1 (WAR), 2.8 (VIE).
21	22	06	55.4&	7.937	N	82.957	W	3					7	SOUTH OF PANAMA. <UPA>. MD 4.1 (UPA).
21	22	10	32.6&	61.103	N	152.079	W	98					18	SOUTHERN ALASKA. <AEIC>.
21	22	41	13.1&	34.760	S	69.731	W	185					10	CHILE-ARGENTINA BORDER REGION. <GUC>.
21	23	19	14.8	15.871	N	60.392	W	57	*	4.7		0.9	52	LEEWARD ISLANDS. MD 4.6 (TRN).
21	23	23	48.3&	44.339	N	7.304	E	11					9	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
21	23	29	07.6*	11.915	S	13.368	W	10	G	4.1		0.5	6	ASCENSION ISLAND REGION
21	23	44	05.3*	24.611	N	123.192	E	33	N	4.1		1.3	8	SOUTHWESTERN RYUKYU ISLANDS
22	00	03	38.4&	63.100	N	150.404	W	110					40	CENTRAL ALASKA. <AEIC>.
22	00	04	17.6&	33.767	S	72.063	W	21					11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
22	01	56	09.8&	42.645	N	18.894	E	16					8	NORTHWESTERN BALKAN REGION. <PDG>. ML 2.5 (PDG).
22	03	32	06.6&	33.989	S	71.082	W	67					10	NEAR COAST OF CENTRAL CHILE. <GUC>.
22	04	10	11.2&	32.154	S	71.829	W	36					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
22	04	12	24.1%	23.088	N	125.665	E	33	N			0.6	5	SOUTHWESTERN RYUKYU ISLANDS

22	04	23	56.5&	45.000	N	6.600	E	2				4	FRANCE. <LDG>.
22	04	47	35.4&	44.370	N	7.215	E	6				18	NORTHERN ITALY. <GEN>. ML 2.2 (GEN), 1.8 (LDG).
22	05	44	57.6	4.920	S	152.314	E	73		5.0	0.9	90	NEW BRITAIN REGION. P.N.G. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 05:45:00.6; Lat 4.88 S; Lon 152.80 E; Dep 43.2; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.43, Plg=68, Azm=332; (N) Val=0.33, Plg=6, Azm=227; (P) Val=-1.76, Plg=21, Azm=135; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=214, Dip=25, Slip=76; NP2: Strike=50, Dip=66, Slip=96.
22	05	03	27.5?	10.16	S	109.46	E	33	N	3.5	1.1	11	SOUTH OF JAWA, INDONESIA
22	05	10	20.7*	51.491	N	16.162	E	5	G		1.1	10	POLAND. ML 3.4 (GRF), 3.2 (VIE), 2.9 (WAR).
22	05	36	58.4	48.499	N	154.839	E	78	?	4.2	0.7	22	KURIL ISLANDS
22	06	57	25.5&	34.504	S	72.131	W	37				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
22	07	25	57.1&	44.400	N	7.208	E	11				4	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
22	08	20	20.3&	39.227	N	123.100	W	8				8	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
22	08	55	22.7*	51.638	N	16.242	E	5	G		0.7	9	POLAND. ML 3.3 (VIE), 2.7 (WAR).
22	11	02	04.1&	32.734	S	71.713	W	15				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
22	11	27	14.7&	33.704	S	72.656	W	34				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
22	11	58	28.4&	35.685	S	71.244	W	134				12	CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
22	12	19	23.5&	32.333	S	71.428	W	42				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
22	12	25	37.5	52.200	N	178.888	E	144		4.8	0.8	87	RAT ISLANDS, ALEUTIAN ISLANDS
22	13	11	53.7%	14.047	N	121.323	E	33	N		0.7	7	LUZON, PHILIPPINE ISLANDS
22	13	37	42.1*	29.427	S	137.748	E	10	G		0.9	5	SOUTH AUSTRALIA
22	14	16	22.7*	3.650	S	143.090	E	33	N	3.5	1.3	10	NEAR N COAST OF NEW GUINEA, PNG.
22	15	24	12.8&	38.290	N	21.980	E	5				5	GREECE. <ATH>. MD 2.9 (ATH).
22	15	43	41.1*	14.048	N	120.330	E	33	N	4.5	0.9	20	LUZON, PHILIPPINE ISLANDS
22	15	47	03.3*	41.012	N	79.702	E	33	N	4.3	1.5	13	KYRGYZSTAN-XINJIANG BORDER REG.
22	15	54	25.9&	20.402	N	155.990	W	33		4.0		39	HAWAII. <HVO-P>. MD 4.3 (HVO). Felt (IV) at Waikoloa; (III) at Ahualoa and Oceanview Estates. Also felt (IV) at Hana; (III) at Kihei, Kula and Makena on Maui.
22	17	49	21.6*	26.963	S	176.405	W	33	N	4.6	1.1	32	SOUTH OF FIJI ISLANDS
22	17	56	10.9*	55.879	N	161.992	E	174	?	4.5	1.3	19	NEAR EAST COAST OF KAMCHATKA
22	18	20	43.1&	33.752	S	70.142	W	123				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
22	18	21	46.4&	31.088	S	71.511	W	73				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
22	18	37	18.3	38.993	S	74.477	W	33	N	4.4 4.3	1.2	32	OFF COAST OF CENTRAL CHILE
22	19	01	10.6	27.242	N	125.715	E	253		4.4	1.1	54	NORTHEAST OF TAIWAN
22	19	01	51.2&	8.588	N	82.524	W	17				4	PANAMA-COSTA RICA BORDER REGION. <UPA>. MD 3.2 (UPA).
22	20	03	45.5&	41.333	N	19.667	E	12				11	ALBANIA. <PDG>. ML 2.6 (PDG).
22	20	33	46.4*	16.498	S	66.932	E	10	G	4.4	0.7	11	MID-INDIAN RIDGE
22	21	50	35.1&	53.377	N	165.495	W	0				9	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 3.2 (AEIC).
22	21	52	53.0	38.193	N	20.434	E	33	N	4.6	1.3	104	GREECE. ML 4.6 (PDG), 4.2 (ATH).
22	21	57	22.7&	38.080	N	20.450	E	5				13	GREECE. <ATH>. ML 3.7 (ATH).
22	21	59	23.6*	16.818	S	167.072	E	33	N	4.2	1.0	11	VANUATU ISLANDS
22	22	16	14.4	37.728	N	19.726	E	33	N		1.1	23	IONIAN SEA. ML 3.8 (ATH), 3.8 (PDG).
22	22	17	04.8&	37.550	N	3.090	W	0	G			14	SPAIN. <MDD>. mbLg 2.2 (MDD).
22	22	19	26.2&	63.482	N	150.673	W	16				20	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.2 (PMR).
22	22	27	54.3*	24.160	S	67.139	W	184		4.1	1.0	21	CHILE-ARGENTINA BORDER REGION
22	22	54	35.1&	53.227	N	165.394	W	28				4	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.8 (AEIC).
22	23	00	27.7*	12.899	N	144.755	E	109	?	4.5	1.3	30	SOUTH OF MARIANA ISLANDS
22	23	07	27.1*	2.919	N	128.579	E	33	N		0.6	7	HALMAHERA, INDONESIA
22	23	20	24.5&	36.470	N	7.530	W	20	G			17	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.0 (MDD).
22	23	26	16.4&	65.035	N	148.902	W	22				21	NORTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
22	23	29	17.4&	42.300	N	0.100	E	2				4	PYRENEES. <LDG>. ML 2.2 (LDG).
22	23	30	48.1%	41.306	S	172.801	E	150	G		0.3	6	SOUTH ISLAND, NEW ZEALAND
22	23	50	22.7%	41.109	S	174.228	E	68	?		0.9	8	COOK STRAIT, NEW ZEALAND
23	00	00	14.7*	7.912	S	122.746	E	226	*	4.4	1.1	23	FLORES SEA
23	00	22	36.8	7.626	S	117.236	E	272		4.4	1.0	36	BALI SEA
23	00	56	17.7	29.917	S	71.499	W	67	D	4.3	1.4	33	NEAR COAST OF CENTRAL CHILE. MD 4.7 (GUC).
23	01	39	52.9&	35.151	S	71.085	W	105				8	CENTRAL CHILE. <GUC>.
23	02	53	47.0*	15.719	S	173.246	W	33	N	4.4	0.9	18	TONGA ISLANDS
23	03	23	31.8	58.985	S	26.240	W	112	D	4.4	0.6	20	SOUTH SANDWICH ISLANDS REGION
23	04	37	06.9*	6.425	S	129.631	E	33	N	4.5	1.5	19	BANDA SEA
23	04	58	54.6	12.966	N	120.251	E	33	N	5.0 4.5	1.0	84	MINDORO, PHILIPPINE ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 04:58:57.3; Lat 13.27 N; Lon 119.93 E; Dep 17.6; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.16, Plg=26, Azm=205; (N) Val=-0.28, Plg=64, Azm=25; (P) Val=-0.88, Plg=0, Azm=115; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=247, Dip=72, Slip=161; NP2: Strike=343, Dip=72, Slip=19.
23	06	16	25.2*	21.447	S	178.711	W	550	G	4.5	0.8	21	FIJI ISLANDS REGION
23	07	41	52.3&	18.720	N	66.120	W	25				5	PUERTO RICO REGION. <MPR>. MD 3.1 (MPR).
23	08	03	34.9&	36.850	N	21.140	E	5				4	SOUTHERN GREECE. <ATH>. MD 2.9 (ATH).
23	09	30	19.1	23.716	S	70.512	W	33	N	5.5 5.2	1.0	73	NEAR COAST OF NORTHERN CHILE. Mw 5.6 (GS), 5.5 (HRV). Felt (V) at Baquedano; (IV) at Antofagasta, La Negra, Maria Elena, Mejillones and Taltal; (III) at San Pedro de Atacama and Tocopilla. Moment Tensor (GS): Dep 21; Principal axes (scale 10**17 Nm): (T) Val=2.55, Plg=59, Azm=268; (N) Val=0.12, Plg=2, Azm=2; (P) Val=-2.67, Plg=31, Azm=93; Best double couple: Mo=2.6*10**17 Nm; NP1: Strike=190, Dip=14, Slip=98; NP2: Strike=1, Dip=76, Slip=88. Centroid, Moment Tensor (HRV): Centroid origin time 09:30:21.2; Lat 23.77 S; Lon 70.56 W; Dep 53.4; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.77, Plg=53, Azm=293; (N) Val=-0.11, Plg=6, Azm=195; (P) Val=-1.66, Plg=36, Azm=101; Best double couple: Mo=1.7*10**17 Nm; NP1: Strike=160, Dip=10, Slip=55; NP2: Strike=16, Dip=82, Slip=96.
23	09	37	47.8&	42.162	N	19.471	E	22				8	NORTHWESTERN BALKAN REGION. <PDG>. ML 2.1 (PDG).
23	10	37	22.0*	57.574	N	143.168	W	10	G		0.6	24	GULF OF ALASKA. ML 2.8 (AEIC).
23	10	39	28.1&	62.627	N	148.730	W	55				39	CENTRAL ALASKA. <AEIC>. ML 4.2 (AEIC), 4.0 (PMR).

23	11	11	37.8	38.348	N	45.085	E	22	D	4.6	1.2	54	ARMENIA-AZERBAIJAN-IRAN BORD REG
23	11	55	48.2&	39.729	N	76.557	E	33	N		0.9	6	SOUTHERN XINJIANG, CHINA
23	11	57	24.5&	38.820	N	122.818	W	1				9	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK).
23	12	05	54.0&	37.470	N	20.610	E	5				4	IONIAN SEA. <ATH>. MD 3.1 (ATH).
23	12	15	56.4	18.184	S	174.974	W	209	D	5.2	1.0	152	TONGA ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:15:56.0; Lat 18.14 S; Lon 174.50 W; Dep 204.9; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.38, Plg=64, Azm=281; (N) Val=0.04, Plg=1, Azm=14; (P) Val=-1.42, Plg=26, Azm=105; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=198, Dip=19, Slip=94; NP2: Strike=14, Dip=71, Slip=89.
23	14	46	14.3&	7.785	N	83.027	W	4				4	OFF COAST OF COSTA RICA. <UPA>. MD 3.9 (UPA).
23	15	58	40.2*	26.871	S	176.321	W	33	N	4.4	1.0	21	SOUTH OF FIJI ISLANDS
23	18	51	52.6*	30.668	S	178.715	W	354	?	4.5	0.8	27	KERMADEC ISLANDS, NEW ZEALAND
23	19	16	45.5	12.347	N	47.564	E	15	G	5.0 4.6	1.2	69	EASTERN GULF OF ADEN. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 19:16:48.6; Lat 12.43 N; Lon 47.54 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.63, Plg=7, Azm=178; (N) Val=-0.53, Plg=42, Azm=82; (P) Val=-1.10, Plg=47, Azm=276; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=305, Dip=53, Slip=-33; NP2: Strike=56, Dip=64, Slip=-138.
23	19	35	11.9?	7.76	S	129.40	E	134	?	4.0	1.2	10	BANDA SEA
23	19	48	10.2	37.979	N	141.479	E	79	D	5.4	0.7	240	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV). Felt (IV JMA) in southern Miyagi; (III JMA) in eastern Fukushima, southern Iwate, much of Miyagi and eastern Yamagata; (I JMA) in western Fukushima and southeastern Aomori Prefectures. Also felt (I JMA) in southeastern Hokkaido. Centroid, Moment Tensor (HRV): Centroid origin time 19:48:13.6; Lat 37.96 N; Lon 141.36 E; Dep 72.1; Half-duration 1.1 sec; Principal axes (scale 10**16 Nm): (T) Val=7.82, Plg=16, Azm=274; (N) Val=1.07, Plg=8, Azm=181; (P) Val=-8.89, Plg=72, Azm=66; Best double couple: Mo=8.4*10**16 Nm; NP1: Strike=16, Dip=30, Slip=-74; NP2: Strike=177, Dip=62, Slip=-99.
23	19	58	25.9	45.080	N	147.162	E	140	D	4.8	0.9	128	KURIL ISLANDS
23	20	37	48.4*	13.597	S	167.094	E	245	?	4.9	1.0	54	VANUATU ISLANDS
23	20	41	43.5&	40.214	N	124.162	W	13				7	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM). ML 3.3 (BRK).
23	20	45	15.0&	37.660	N	20.590	E	5				8	IONIAN SEA. <ATH>. MD 3.2 (ATH).
23	21	22	22.1	17.649	S	178.823	W	529		4.5	0.8	64	FIJI ISLANDS REGION
23	21	34	24.3&	9.089	N	79.659	W	3				7	PANAMA. <UPA>. MD 3.4 (UPA).
24	00	50	44.2	12.411	N	47.569	E	10	G	4.7	1.3	32	EASTERN GULF OF ADEN
24	01	06	11.7	22.625	S	69.243	W	80	D	5.3	0.9	130	NORTHERN CHILE. Mw 5.2 (HRV). Felt (VI) at Socaire; (V) at Ayquina; (IV) at Antofagasta, Calama, Camar, Maria Elena, Mejillones and Peine. Power outages at Calama and Mejillones. Centroid, Moment Tensor (HRV): Centroid origin time 01:06:19.6; Lat 22.05 S; Lon 69.08 W; Dep 98.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.96, Plg=14, Azm=327; (N) Val=-1.25, Plg=31, Azm=65; (P) Val=-6.71, Plg=56, Azm=216; Best double couple: Mo=7.3*10**16 Nm; NP1: Strike=23, Dip=41, Slip=-141; NP2: Strike=261, Dip=65, Slip=-56.
24	03	33	58.9&	41.851	N	20.123	E	11				11	ALBANIA. <PDG>. ML 3.0 (PDG).
24	03	48	33.1&	9.272	N	79.237	W	58				4	PANAMA. <UPA>. MD 2.7 (UPA).
24	04	24	48.6&	31.406	S	69.373	W	181				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.7 (GUC).
24	05	12	55.2*	45.305	N	14.189	E	10	G		1.1	14	NORTHWESTERN BALKAN REGION. ML 2.9 (VIE).
24	05	27	42.1&	7.010	N	82.724	W	33				7	SOUTH OF PANAMA. <UPA>. MD 4.0 (UPA).
24	05	34	32.8*	35.993	N	141.686	E	33	N	4.6	1.1	23	NEAR EAST COAST OF HONSHU, JAPAN
24	06	24	55.9	19.144	N	67.777	W	33	N	4.4	1.1	25	MONA PASSAGE. MD 4.3 (MPR). Felt (III) at Ponce, Puerto Rico.
24	06	36	17.9&	61.492	N	145.921	W	37				23	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.6 (PMR).
24	06	56	26.3	12.804	N	143.870	E	33	N	4.8 4.9	1.2	37	SOUTH OF MARIANA ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 06:56:27.0; Lat 12.67 N; Lon 144.31 E; Dep 52.9; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.41, Plg=12, Azm=13; (N) Val=0.01, Plg=78, Azm=210; (P) Val=-1.42, Plg=3, Azm=104; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=149, Dip=79, Slip=6; NP2: Strike=58, Dip=84, Slip=169.
24	07	14	25.5	12.965	N	144.382	E	33	N	4.7 4.7	1.0	27	SOUTH OF MARIANA ISLANDS
24	07	27	14.8&	31.084	S	69.415	W	210				7	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
24	08	12	07.5&	32.356	S	71.735	W	15				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
24	08	22	02.4&	33.547	S	70.299	W	103				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
24	08	42	07.5*	35.528	N	140.518	E	33	N	3.7	1.0	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in parts of Ibaraki, Kanagawa, Shizuoka and Tochigi Prefectures. Also felt (I JMA) in the Tokyo area.
24	09	17	47.5&	38.320	N	22.250	E	27				12	GREECE. <ATH>. ML 3.4 (ATH).
24	09	25	47.4&	36.960	N	2.560	W	16				7	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.2 (MDD).
24	10	34	41.2&	10.874	N	61.749	W	38				5	TRINIDAD. <TRN>. MD 3.1 (TRN).
24	11	23	45.0&	17.950	N	66.910	W	5				4	PUERTO RICO REGION. <MPR>. MD 2.3 (MPR).
24	11	46	04.5&	45.000	N	7.200	E	2				24	NORTHERN ITALY. <LDG>. ML 2.9 (GEN), 2.4 (LDG).
24	11	54	26.2	36.667	N	21.526	E	52		4.5	1.0	39	SOUTHERN GREECE. MD 4.1 (ATH).
24	12	55	09.0&	62.521	N	150.778	W	77				64	CENTRAL ALASKA. <AEIC>.
24	13	49	32.7	46.193	N	13.647	E	10	G		1.1	62	AUSTRIA. ML 3.8 (VIE), 3.8 (FUR), 3.7 (STR), 3.5 (FBB), 3.5 (LDG). Felt (V) at Bovec, Kobarid and Tolmin, Slovenia.
24	14	13	04.5?	17.96	S	179.43	W	600	G	4.1	0.6	10	FIJI ISLANDS REGION
24	14	33	56.5*	13.490	S	166.777	E	33	N	4.8	1.0	22	VANUATU ISLANDS
24	14	36	21.5&	10.547	N	62.589	W	87				5	NEAR COAST OF VENEZUELA. <TRN>. MD 3.5 (TRN).
24	15	05	35.7*	12.760	N	88.040	W	33	N	4.3	0.9	17	OFF COAST OF CENTRAL AMERICA
24	15	13	12.1&	36.940	N	2.590	W	15				9	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.5 (MDD).
24	15	20	29.7*	14.957	S	178.722	W	400	G	4.1	0.6	17	FIJI ISLANDS REGION

24	16	22	15.2*	26.377	N	94.634	E	60	*	4.1	0.8	16	NORTHEASTERN INDIA
24	17	14	48.0*	7.293	S	128.962	E	33	N	3.8	1.2	7	BANDA SEA
24	17	36	23.3	37.012	N	141.460	E	56		5.0	0.7	94	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) in southern Fukushima; (II JMA) in eastern Fukushima and parts of Ibaraki and Tochigi; (I JMA) in northern Chiba, western Fukushima and eastern Saitama Prefectures. Also felt (I JMA) in parts of Miyagi Prefecture.
24	18	38	34.7*	23.830	S	179.576	E	600	G	4.1	0.5	15	SOUTH OF FIJI ISLANDS
24	19	46	05.5&	44.529	N	6.824	E	0				4	FRANCE. <GEN>. ML 1.7 (GEN).
24	20	46	55.4&	45.200	N	6.500	E	2				5	FRANCE. <LDG>. ML 1.7 (LDG).
24	21	24	31.8	16.000	S	172.703	W	33	N	5.2 5.4	1.0	96	SAMOA ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 21:24:35.7; Lat 16.35 S; Lon 172.01 W; Dep 15.0 Bdy; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.99, Plg=71, Azm=306; (N) Val=0.57, Plg=9, Azm=188; (P) Val=-2.56, Plg=16, Azm=96; Best double couple: Mo=2.3*10**17 Nm; NP1: Strike=173, Dip=30, Slip=72; NP2: Strike=13, Dip=62, Slip=100.
24	21	45	03.7&	32.778	S	71.772	W	39				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
24	21	46	40.3&	44.571	N	7.454	E	22				5	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
24	21	50	45.8	37.430	N	20.468	E	33	N	4.3	1.1	69	IONIAN SEA. ML 4.1 (ATH).
24	23	20	32.1&	33.102	S	70.312	W	102				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
24	23	22	50.4*	46.182	N	13.912	E	10	G		0.9	5	AUSTRIA. ML 2.0 (VIE), 1.4 (LJU).
24	23	51	12.4*	17.296	S	65.485	W	33	N		1.0	8	CENTRAL BOLIVIA
24	23	54	46.1	16.515	S	174.751	W	223	D	5.4	0.8	255	TONGA ISLANDS. Mw 6.1 (GS), 6.0 (HRV). Moment Tensor (GS): Dep 236; Principal axes (scale 10**18 Nm): (T) Val=1.37, Plg=18, Azm=111; (N) Val=0.01, Plg=9, Azm=204; (P) Val=-1.38, Plg=69, Azm=319; Best double couple: Mo=1.4*10**18 Nm; NP1: Strike=186, Dip=28, Slip=-110; NP2: Strike=28, Dip=64, Slip=-80. Centroid, Moment Tensor (HRV): Centroid origin time 23:54:53.0; Lat 16.42 S; Lon 174.46 W; Dep 235.8; Half-duration 2.5 sec; Principal axes (scale 10**18 Nm): (T) Val=1.27, Plg=16, Azm=116; (N) Val=-0.04, Plg=8, Azm=24; (P) Val=-1.23, Plg=72, Azm=267; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=219, Dip=30, Slip=-73; NP2: Strike=19, Dip=61, Slip=-100.
25	00	15	28.9	51.603	N	16.342	E	5	G		0.6	16	POLAND. ML 3.4 (VIE), 3.2 (WAR).
25	00	57	12.5	24.427	S	179.688	W	500	G	4.7	0.9	40	SOUTH OF FIJI ISLANDS
25	01	47	55.6	35.751	N	136.649	E	33	N	4.2	0.9	16	WESTERN HONSHU, JAPAN
25	01	52	49.2*	7.967	S	146.653	E	140	*	3.8	0.7	11	EASTERN NEW GUINEA REG., P.N.G.
25	02	00	17.3	39.315	N	25.542	E	10	G		1.0	17	AEGEAN SEA. ML 3.6 (ATH).
25	02	02	07.7&	36.043	N	117.715	W	0				7	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS).
25	02	37	48.8	47.563	N	89.282	E	33	N	4.8	1.0	51	NORTHERN XINJIANG, CHINA
25	02	55	06.0	41.071	N	82.405	W	5	G		0.5	6	OHIO. mbLg 2.7 (GS).
25	03	21	46.5&	31.130	S	69.661	W	167				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
25	04	25	33.9*	29.542	N	141.612	E	33	N	4.1	1.0	11	SOUTH OF HONSHU, JAPAN
25	05	19	18.3	2.854	S	141.546	E	33	N	4.3 4.4	0.9	22	NEAR N COAST OF NEW GUINEA, PNG.
25	07	01	06.0	40.661	N	109.282	W	5	G		0.9	11	UTAH. ML 2.9 (GS).
25	07	11	49.8&	33.333	S	70.121	W	106				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
25	08	04	34.4&	37.810	N	23.400	E	31				5	SOUTHERN GREECE. <ATH>. ML 2.6 (ATH).
25	08	35	34.5*	46.230	N	13.578	E	10	G		1.1	8	AUSTRIA. ML 2.5 (VIE), 1.9 (LJU).
25	09	29	11.2	31.507	S	68.705	W	100	*		1.0	17	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (GUC).
25	09	39	07.5*	6.779	S	130.505	E	33	N	4.1	1.0	11	BANDA SEA
25	11	07	10.9&	36.550	N	4.410	W	96				17	STRAIT OF GIBRALTAR. <MDD>.
25	11	09	43.3&	63.374	N	151.765	W	11				52	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.2 (PMR).
25	11	15	06.8&	35.102	S	71.226	W	99				12	CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
25	11	20	01.9&	44.300	N	7.700	E	7				8	NORTHERN ITALY. <LDG>. ML 2.1 (LDG).
25	12	18	14.7*	30.491	S	178.664	W	100	G	4.7	0.9	19	KERMADEC ISLANDS, NEW ZEALAND
25	12	57	25.0	37.356	N	21.066	E	33	N	4.3	1.2	76	SOUTHERN GREECE. ML 4.3 (ATH).
25	13	19	57.1&	33.091	S	69.017	W	11				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.8 (GUC).
25	14	07	54.3?	21.96	S	179.79	W	600	G	4.1	0.9	16	FIJI ISLANDS REGION
25	14	13	50.4	51.146	N	156.748	E	125		4.5	0.9	37	KAMCHATKA
25	14	30	42.3	43.319	N	4.908	E	10	G		0.6	18	NEAR SOUTH COAST OF FRANCE. ML 2.8 (LDG).
25	14	37	34.4*	67.794	N	163.872	W	10	G		1.3	12	NORTHERN ALASKA. ML 3.9 (PMR).
25	15	23	55.1&	44.800	N	6.600	E	2				7	FRANCE. <LDG>. ML 2.0 (LDG).
25	16	04	35.5	46.293	N	7.454	E	10	G		1.0	26	SWITZERLAND. ML 2.6 (LDG), 2.3 (STR).
25	16	48	08.1&	33.317	S	70.858	W	71				11	CHILE-ARGENTINA BORDER REGION. <GUC>.
25	17	12	59.8&	19.290	N	67.170	W	45				6	MONA PASSAGE. <MPR>. MD 3.2 (MPR).
25	17	18	51.9*	37.184	S	176.637	E	300	G		0.3	11	NORTH ISLAND, NEW ZEALAND
25	17	42	45.2*	20.539	S	174.360	W	33	N	4.2	0.9	23	TONGA ISLANDS
25	18	02	30.6&	18.110	N	67.910	W	48				5	MONA PASSAGE. <MPR>. MD 3.1 (MPR).
25	18	05	25.7	7.859	S	158.622	E	48	D	5.9 6.0	0.9	298	SOLOMON ISLANDS. Mw 6.2 (GS), 6.2 (HRV). Me 5.9 (GS). Broadband Source Parameters (GS): Dep 34; NP1: Strike=85, Dip=80, Slip=-85; NP2: Strike=238, Dip=11, Slip=-116; Radiated energy 1.5*10**13 Nm. Moment Tensor (GS): Dep 41; Principal axes (scale 10**18 Nm): (T) Val=2.48, Plg=21, Azm=174; (N) Val=-0.48, Plg=23, Azm=273; (P) Val=-1.99, Plg=58, Azm=45; Best double couple: Mo=2.2*10**18 Nm; NP1: Strike=229, Dip=31, Slip=-138; NP2: Strike=102, Dip=70, Slip=-66. Centroid, Moment Tensor (HRV): Centroid origin time 18:05:30.2; Lat 7.93 S; Lon 158.82 E; Dep 38.2; Half-duration 3.4 sec; Principal axes (scale 10**18 Nm): (T) Val=2.19, Plg=29, Azm=178; (N) Val=-0.18, Plg=11, Azm=275; (P) Val=-2.01, Plg=59, Azm=23; Best double couple: Mo=2.1*10**18 Nm; NP1: Strike=240, Dip=19, Slip=-126; NP2: Strike=97, Dip=75, Slip=-79.
25	18	40	32.8*	24.441	N	121.981	E	33	N		1.1	12	TAIWAN
25	19	28	54.3	36.633	N	26.436	E	10	G		0.9	23	DODECANESE ISLANDS. ML 4.2 (ATH).
25	19	36	07.7*	8.771	S	158.160	E	33	N	3.9	1.1	9	SOLOMON ISLANDS
25	20	59	53.0&	35.480	N	26.990	E	3				11	CRETE. <ATH>. ML 4.0 (ATH).
25	21	19	13.4&	46.200	N	2.400	E	2				7	FRANCE. <LDG>. ML 1.9 (LDG).

25	21	22	06.7	51.233	N	2.086	E	10	G		0.9	37	NORTH SEA. ML 3.0 (LDG), 2.8 (STR), 2.6 (UCC).
25	22	19	10.5&	38.627	N	143.251	E	33	N		1.0	8	OFF EAST COAST OF HONSHU, JAPAN
25	22	20	33.8&	58.595	N	155.395	W	121				59	ALASKA PENINSULA. <AEIC>.
25	22	41	35.8&	54.803	N	161.793	W	11				14	ALASKA PENINSULA. <AEIC>. ML 2.5 (AEIC).
25	23	38	18.1	41.254	N	29.856	E	10	G		0.8	12	TURKEY
25	23	44	30.0	23.126	S	179.559	W	600	G	4.7	0.9	57	SOUTH OF FIJI ISLANDS
25	23	57	34.9&	32.983	S	69.010	W	12				9	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.3 (GUC).
26	00	25	05.1*	42.882	N	12.178	E	10	G		1.4	19	CENTRAL ITALY. ML 3.1 (VIE), 2.9 (LDG).
26	00	33	06.5&	33.900	S	71.869	W	48				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
26	01	47	53.6?	11.24	N	85.34	W	120	?		1.5	11	NICARAGUA
26	02	31	03.2*	31.489	N	49.661	E	33	N	4.0	0.9	14	WESTERN IRAN
26	02	44	11.9	25.644	N	100.118	E	33	N	4.3	0.7	15	YUNNAN, CHINA
26	02	51	12.0*	32.774	S	179.281	W	33	N	4.4	1.1	25	SOUTH OF KERMADEC ISLANDS
26	02	55	36.5?	17.52	N	63.27	W	148	?	3.6	0.6	13	LEEWARD ISLANDS. MD 3.6 (MPR).
26	02	56	23.0&	9.517	N	78.691	W	0				5	PANAMA. <UPA>. MD 3.4 (UPA).
26	03	12	03.3*	7.077	S	129.884	E	118	*	4.5	1.2	18	BANDA SEA
26	03	24	52.1	5.546	S	147.298	E	214		4.7	1.1	29	EASTERN NEW GUINEA REG., P.N.G.
26	03	47	53.1&	61.731	N	149.838	W	49				77	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.0 (PMR).
26	04	31	25.7*	16.649	S	65.342	W	33	N		0.7	6	CENTRAL BOLIVIA
26	05	12	49.7&	39.530	N	0.230	W	1				7	SPAIN. <MDD>. mbLg 2.3 (MDD).
26	05	36	31.1?	46.01	N	15.20	E	10	G		0.2	4	NORTHWESTERN BALKAN REGION. ML 1.5 (LJU).
26	06	33	10.7&	45.883	N	14.977	E	10	G		0.3	5	NORTHWESTERN BALKAN REGION. ML 1.2 (LJU).
26	06	46	07.1&	33.323	S	70.291	W	105				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
26	07	31	38.5&	61.418	N	150.971	W	63				16	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
26	07	36	38.3?	5.26	N	76.28	W	95	?		0.9	9	COLOMBIA. MD 4.3 (UPA).
26	08	37	49.0&	44.310	N	110.480	W	4				46	YELLOWSTONE REGION, WYOMING. <SLC-P>. ML 3.8 (SLC), 3.8 (GS), 3.9 (BUT). Felt at Grant Village.
26	08	55	58.9	13.714	S	167.148	E	250	G	4.5	1.1	61	VANUATU ISLANDS
26	08	56	02.0&	44.310	N	110.310	W	4				28	YELLOWSTONE REGION, WYOMING. <SLC-P>. ML 3.1 (SLC), 3.2 (BUT), 3.4 (GS).
26	09	36	04.8&	10.866	N	62.254	W	64				5	NEAR COAST OF VENEZUELA. <TRN>. MD 2.9 (TRN).
26	09	53	34.2*	4.055	N	128.005	E	33	N	4.7	0.7	11	NORTH OF HALMAHERA, INDONESIA
26	09	56	01.4	9.321	S	121.409	E	81		4.9	1.4	78	SAVU SEA. Felt (IV) at Waingapu, Indonesia.
26	10	03	31.7*	46.275	N	149.511	E	200	G	3.8	0.9	13	KURIL ISLANDS
26	10	10	15.7	31.325	N	140.919	E	53	D	5.1	1.1	86	SOUTH OF HONSHU, JAPAN. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:10:16.5; Lat 31.45 N; Lon 140.81 E; Dep 52.9 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.70, Plg=55, Azm=286; (N) Val=0.96, Plg=19, Azm=168; (P) Val=-6.65, Plg=29, Azm=67; Best double couple: Mo=6.2*10**16 Nm; NP1: Strike=117, Dip=23, Slip=37; NP2: Strike=352, Dip=76, Slip=109.
26	10	14	27.6	27.753	N	87.894	E	73	D	5.1	0.8	176	NEPAL. Felt in Taplejung District.
26	11	42	02.3&	32.492	S	71.389	W	44				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
26	13	11	42.1*	44.881	S	15.267	W	10	G		0.9	11	SOUTHERN MID-ATLANTIC RIDGE
26	13	13	04.9	5.548	S	147.339	E	156	D	5.1	0.9	91	EASTERN NEW GUINEA REG., P.N.G. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:13:14.7; Lat 5.16 S; Lon 147.59 E; Dep 158.3; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.06, Plg=60, Azm=122; (N) Val=-0.23, Plg=18, Azm=358; (P) Val=-0.84, Plg=23, Azm=260; Best double couple: Mo=9.5*10**16 Nm; NP1: Strike=318, Dip=27, Slip=46; NP2: Strike=184, Dip=71, Slip=109.
26	13	18	20.2?	31.34	S	69.20	W	100	G		1.1	12	SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (GUC).
26	13	48	45.0*	31.556	S	69.298	W	100	G		1.0	14	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (GUC).
26	14	18	40.2*	22.240	N	143.656	E	200	G	3.8	1.1	12	VOLCANO ISLANDS REGION
26	14	23	23.7*	33.463	S	68.632	W	10	G		0.6	9	MENDOZA PROVINCE, ARGENTINA. MD 3.5 (GUC).
26	15	00	48.5*	9.171	N	126.800	E	33	N	4.0	0.8	9	MINDANAO, PHILIPPINE ISLANDS
26	15	05	13.4*	31.922	S	70.809	W	33	N		1.1	16	CHILE-ARGENTINA BORDER REGION. MD 4.5 (GUC).
26	15	21	44.0&	32.233	S	71.768	W	30				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
26	16	08	22.4*	6.917	S	129.561	E	152	?	4.3	1.2	10	BANDA SEA
26	16	10	17.8&	13.042	N	59.384	W	9				9	WINDWARD ISLANDS. <TRN>. MD 4.0 (TRN).
26	17	51	44.5?	8.91	S	71.27	W	600	G		1.2	9	WESTERN BRAZIL
26	18	03	20.8?	27.68	N	53.99	E	33	N		1.3	6	SOUTHERN IRAN
26	18	09	26.1?	27.86	N	53.61	E	33	N	3.9	1.3	9	SOUTHERN IRAN
26	18	29	45.0&	37.930	N	4.300	W	15				7	SPAIN. <MDD>. mbLg 2.0 (MDD).
26	18	49	24.4	3.342	S	130.851	E	33	N	4.8	1.2	37	SERAM, INDONESIA
26	19	15	04.6	51.303	N	178.025	W	33	N	4.7	1.0	60	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
26	19	39	29.4&	15.868	N	61.466	W	93				4	LEEWARD ISLANDS. <TRN>. MD 3.4 (TRN).
26	19	49	53.7&	40.624	N	122.406	W	23		5.0 4.9		147	NORTHERN CALIFORNIA. <GM-P>. Mw 5.4 (HRV), 5.1 (BRK). ML 5.2 (GM), 5.2 (BRK). Minor damage at Redding. Also felt at Fort Jones, Red Bluff, Shasta, Weed and Yreka. Centroid, Moment Tensor (HRV): Centroid origin time 19:49:56.0; Lat 40.04 N Fix; Lon 122.77 W Fix; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.43, Plg=38, Azm=262; (N) Val=-0.02, Plg=25, Azm=13; (P) Val=-1.41, Plg=42, Azm=127; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=288, Dip=25, Slip=-176; NP2: Strike=194, Dip=88, Slip=-65. Moment Tensor (BRK): Dep 24; Principal axes (scale 10**16 Nm): (T) Val=4.80, Plg=20, Azm=248; (N) Val=0.00, Plg=43, Azm=357; (P) Val=-4.80, Plg=41, Azm=140; Best double couple: Mo=4.8*10**16 Nm; NP1: Strike=189, Dip=77, Slip=-46; NP2: Strike=292, Dip=46, Slip=-162.
26	19	53	14.9&	62.072	N	150.384	W	49				24	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
26	20	24	13.8&	40.619	N	122.422	W	25				5	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK).
26	20	38	29.9&	33.705	S	69.882	W	132				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
26	21	21	08.5&	37.634	N	118.827	W	9				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.5 (GM).
26	22	12	18.3	25.116	N	122.488	E	182	D	4.7	1.0	85	TAIWAN REGION
26	22	25	17.4	46.515	N	12.105	E	10	G		0.9	60	NORTHERN ITALY. ML 3.7 (STR), 3.6 (GRF), 3.4 (FBB), 3.3 (LDG), 3.3 (VIE), 3.3 (FUR).
26	22	38	06.3*	46.538	N	12.041	E	10	G		0.9	9	NORTHERN ITALY. ML 2.4 (VIE), 2.4 (FUR).
26	22	44	35.8&	32.212	S	71.689	W	38				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).

26	22	58	06.8&	40.614	N	122.404	W	25		4.6		64	NORTHERN CALIFORNIA. <GM-P>. ML 4.4 (GM), 4.5 (BRK). Small items knocked from shelves in the epicentral area. Felt in the Redding area.
26	23	07	29.4&	44.469	N	6.887	E	5				7	FRANCE. <GEN>. ML 1.9 (GEN).
26	23	37	29.3&	44.817	N	6.661	E	12				5	FRANCE. <GEN>. ML 1.5 (GEN).
26	23	42	41.2&	44.300	N	6.000	E	5				24	FRANCE. <LDG>. ML 2.4 (LDG).
27	00	10	24.7&	38.420	N	23.830	E	6				14	GREECE. <ATH>. ML 3.4 (ATH).
27	00	15	03.0&	40.633	N	122.447	W	24				5	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.1 (BRK).
27	00	29	50.3	29.759	N	67.316	E	10	G	4.5	1.2	44	PAKISTAN. Felt in the Harnai-Quetta-Sibi area.
27	00	43	48.0&	40.667	N	125.384	W	5		5.4 5.2		315	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. Mw 5.6 (GS), 5.6 (HRV), 5.4 (BRK). ML 5.4 (GM), 5.5 (BRK). Moment Tensor (GS): Dep 16; Principal axes (scale 10**17 Nm): (T) Val=3.03, Plg=15, Azm=78; (N) Val=0.02, Plg=62, Azm=200; (P) Val=-3.05, Plg=22, Azm=342; Best double couple: Mo=3.0*10**17 Nm; NP1: Strike=122, Dip=63, Slip=-175; NP2: Strike=29, Dip=85, Slip=-27. Centroid, Moment Tensor (HRV): Centroid origin time 00:43:52.5; Lat 40.53 N; Lon 125.12 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.45, Plg=17, Azm=265; (N) Val=-0.17, Plg=72, Azm=97; (P) Val=-2.28, Plg=3, Azm=356; Best double couple: Mo=2.4*10**17 Nm; NP1: Strike=42, Dip=75, Slip=10; NP2: Strike=310, Dip=80, Slip=165. Moment Tensor (BRK): Dep 5; Principal axes (scale 10**17 Nm): (T) Val=1.40, Plg=11, Azm=82; (N) Val=0.00, Plg=54, Azm=187; (P) Val=-1.40, Plg=34, Azm=344; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=29, Dip=75, Slip=-33; NP2: Strike=129, Dip=58, Slip=-162.
27	00	52	44.0&	34.545	S	71.664	W	51				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
27	01	06	11.0&	40.690	N	125.270	W	5		4.2		110	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. ML 4.4 (GM), 4.4 (BRK).
27	01	48	59.0*	22.608	S	10.596	W	10	G		0.6	10	SOUTHERN MID-ATLANTIC RIDGE
27	02	57	45.9&	44.468	N	7.208	E	8				27	NORTHERN ITALY. <GEN>. ML 2.2 (GEN), 2.1 (LDG), 1.8 (STR).
27	04	08	39.8&	32.695	S	71.843	W	29		4.3		36	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.8 (GUC). Felt (III) at Concon, La Calera, Puchuncavi, Quintero, Quillota, Quilpue, Valparaiso, Villa Alemana, Vina del Mar and Zapallar; (II) at Santiago.
27	04	25	23.0&	32.693	S	71.738	W	15				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
27	04	30	27.7*	10.546	S	117.603	E	33	N	3.4	1.0	6	SOUTH OF SUMBAWA, INDONESIA
27	04	35	41.2&	32.706	S	71.771	W	28				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
27	04	36	28.9*	51.120	N	15.847	E	5	G		1.1	8	POLAND. ML 3.0 (VIE), 2.7 (WAR).
27	04	48	01.6?	5.82	S	125.62	E	550	G	4.4	0.5	11	BANDA SEA
27	05	43	53.0?	5.34	S	147.20	E	226		4.0	0.5	7	EASTERN NEW GUINEA REG., P.N.G.
27	06	32	05.8*	35.253	N	86.836	E	33	N	4.4	1.2	17	XIZANG
27	07	36	15.4?	34.68	S	179.99	E	93	?	5.2	1.4	33	SOUTH OF KERMADEC ISLANDS
27	08	02	31.1&	38.270	N	24.080	E	16				11	AEGEAN SEA. <ATH>. ML 3.5 (ATH).
27	08	20	50.1?	61.80	S	55.81	W	33	N		1.3	10	SOUTH SHETLAND ISLANDS
27	08	46	35.2&	32.685	S	71.775	W	31				15	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC).
27	08	53	34.2	29.238	S	177.120	W	33	N	5.2 5.4	1.4	72	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:53:39.5; Lat 28.88 S; Lon 176.66 W; Dep 19.3; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=3.32, Plg=67, Azm=298; (N) Val=0.33, Plg=4, Azm=199; (P) Val=-3.65, Plg=23, Azm=107; Best double couple: Mo=3.5*10**17 Nm; NP1: Strike=190, Dip=22, Slip=80; NP2: Strike=21, Dip=68, Slip=94.
27	09	55	03.4&	32.700	S	71.748	W	30				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
27	10	27	02.8	32.140	S	69.328	W	127	D	5.2	1.1	124	MENDOZA PROVINCE, ARGENTINA. Mw 5.5 (HRV). MD 5.3 (GUC). Felt (V) at Potrerillos and Uspallata; (IV) at Mendoza and San Juan. Also felt (III) at Concon, La Calera, Los Andes, Quillota, Quintero, San Felipe, Santiago, Valparaiso and Vina del Mar; (II) at Illapel, La Serena and Vicuna, Chile. Centroid, Moment Tensor (HRV): Centroid origin time 10:27:06.0; Lat 32.04 S; Lon 69.21 W; Dep 128.9; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.91, Plg=1, Azm=113; (N) Val=-0.16, Plg=12, Azm=203; (P) Val=-1.75, Plg=78, Azm=19; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=191, Dip=45, Slip=-107; NP2: Strike=35, Dip=47, Slip=-74.
27	10	41	45.7&	44.519	N	7.065	E	5				11	NORTHERN ITALY. <GEN>. ML 2.2 (GEN).
27	10	52	53.9&	38.630	N	23.870	E	5				7	GREECE. <ATH>. ML 3.0 (ATH).
27	10	57	43.8&	7.815	N	82.848	W	10				4	SOUTH OF PANAMA. <UPA>. MD 3.3 (UPA).
27	11	23	40.9*	33.938	N	97.627	E	33	N		1.5	11	QINGHAI, CHINA
27	11	48	06.6?	8.49	S	158.71	E	131	?	3.7	0.4	8	SOLOMON ISLANDS
27	12	10	19.0&	44.530	N	8.801	E	5				12	NORTHERN ITALY. <GEN>. ML 2.4 (GEN).
27	12	57	09.3?	28.94	S	177.19	W	33	N	4.4	1.4	15	KERMADEC ISLANDS REGION
27	13	26	36.0	28.978	S	177.026	W	33	N	5.1 5.2	1.2	56	KERMADEC ISLANDS REGION. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:26:40.2; Lat 28.81 S; Lon 176.48 W; Dep 31.4; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=2.04, Plg=65, Azm=321; (N) Val=0.36, Plg=14, Azm=198; (P) Val=-2.39, Plg=20, Azm=103; Best double couple: Mo=2.2*10**17 Nm; NP1: Strike=170, Dip=28, Slip=59; NP2: Strike=24, Dip=66, Slip=105.
27	13	58	21.2*	28.981	S	176.629	W	33	N	4.4	1.1	18	KERMADEC ISLANDS REGION
27	14	30	40.3	4.456	N	94.527	E	33	N	4.7	0.9	28	OFF W COAST OF NORTHERN SUMATERA
27	15	18	48.9*	0.968	N	125.258	E	33	N	4.5	1.0	18	NORTHERN MOLUCCA SEA
27	15	22	58.5*	35.596	N	140.035	E	67	*	4.5	1.3	41	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) in the Tokyo area. Also felt (II JMA) in Chiba, southwestern Ibaraki, Kanagawa, eastern Saitama and southern Tochigi prefectures.
27	15	29	27.1?	16.76	N	98.49	W	33	N	4.0	0.9	10	NEAR COAST OF GUERRERO, MEXICO
27	15	48	44.6*	27.618	S	177.387	W	33	N	4.3	1.3	17	KERMADEC ISLANDS REGION

27	16	05	13.9	13.752	N	120.840	E	128	D	4.7	1.1	45	MINDORO, PHILIPPINE ISLANDS
27	17	03	34.9*	8.737	S	120.926	E	237	*	4.2	0.9	10	FLORES REGION, INDONESIA
27	17	06	23.7	7.741	S	121.746	E	350	G	4.1	1.1	16	FLORES SEA
27	17	32	51.4	63.460	N	151.678	W	33	N		0.6	9	CENTRAL ALASKA. ML 3.7 (PMR).
27	17	46	48.1?	6.68	S	150.60	E	33	N	3.9	1.0	8	NEW BRITAIN REGION, P.N.G.
27	18	45	57.6*	13.213	S	166.356	E	33	N	4.1	1.3	11	VANUATU ISLANDS
27	19	21	02.2	8.220	S	115.251	E	24		4.4	1.0	20	BALI REGION, INDONESIA
27	19	29	06.7	9.117	S	118.321	E	137		4.7	1.0	43	SUMBAWA REGION, INDONESIA
27	19	39	20.0?	8.23	S	115.19	E	10	G		0.1	4	BALI REGION, INDONESIA. ML 3.5 (DJA).
27	19	43	40.6?	8.23	S	115.19	E	10	G		0.5	4	BALI REGION, INDONESIA. ML 3.1 (DJA).
27	19	45	22.9?	8.23	S	115.20	E	10	G		0.2	4	BALI REGION, INDONESIA. ML 3.4 (DJA).
27	20	04	02.0	51.593	N	178.598	W	33	N	4.5	0.9	32	ANDREANOF ISLANDS, ALEUTIAN IS.
27	20	13	55.1?	23.82	S	179.60	E	600	G	4.1	0.5	9	SOUTH OF FIJI ISLANDS
27	20	17	53.5&	45.600	N	7.900	E	2				5	NORTHERN ITALY. <LDG>. ML 1.9 (LDG).
27	20	27	58.9&	37.670	N	3.940	W	15				19	SPAIN. <MDD>. mbLg 2.5 (MDD).
27	20	49	52.3*	5.046	S	153.438	E	63	?	4.0	0.5	11	NEW IRELAND REGION, P.N.G.
27	20	53	46.1*	15.360	S	73.053	W	99	*		1.2	6	SOUTHERN PERU
27	21	50	43.0&	31.782	S	71.635	W	29				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
27	21	52	24.3?	0.09	N	125.78	E	33	N	4.2	1.3	7	NORTHERN MOLUCCA SEA
27	22	21	52.2*	5.396	S	146.199	E	33	N		1.2	6	EASTERN NEW GUINEA REG., P.N.G.
27	22	38	16.7&	32.597	S	71.941	W	15				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
27	22	40	24.4&	32.565	S	71.945	W	32				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
27	23	59	24.2&	60.243	N	152.791	W	108				12	SOUTHERN ALASKA. <AEIC>.
28	00	03	55.1	50.417	N	18.863	E	5	G		1.1	9	POLAND. ML 3.0 (WAR), 2.8 (VIE).
28	01	17	26.5&	32.703	S	71.761	W	28				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.4 (GUC).
28	01	21	41.9&	32.631	S	70.254	W	108				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
28	01	45	37.2*	50.679	N	12.709	E	10	G		0.6	5	GERMANY. ML 1.0 (CLL).
28	03	13	20.3	52.470	N	175.842	E	33	N	4.7	1.1	43	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
28	03	36	43.9&	36.140	N	24.320	E	84				5	SOUTHERN GREECE. <ATH>.
28	04	41	15.3&	40.617	N	122.407	W	24		4.4		43	NORTHERN CALIFORNIA. <GM-P>. Mw 4.2 (BRK). ML 4.2 (GM), 4.4 (BRK). Moment Tensor (BRK): Dep 21; Principal axes (scale 10**15 Nm): (T) Val=2.32, Plg=50, Azm=276; (N) Val=0.00, Plg=16, Azm=26; (P) Val=-2.32, Plg=35, Azm=128; Best double couple: Mo=2.3*10**15 Nm; NP1: Strike=24, Dip=82, Slip=74; NP2: Strike=268, Dip=18, Slip=153.
28	04	42	25.0&	38.340	N	24.320	E	10				9	AEGEAN SEA. <ATH>. ML 3.3 (ATH).
28	04	49	25.3?	4.21	S	154.21	E	400	G		1.3	14	SOLOMON ISLANDS
28	05	22	55.7&	45.100	N	5.900	E	2				6	FRANCE. <LDG>. ML 1.6 (LDG).
28	05	34	26.0	3.464	S	127.313	E	73		4.6	1.1	43	SERAM, INDONESIA
28	06	38	17.9&	38.360	N	22.220	E	26				7	GREECE. <ATH>. ML 3.3 (ATH).
28	07	25	19.3&	32.010	S	71.489	W	30				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
28	07	30	11.9&	32.061	N	115.422	W	6	G			19	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.0 (PAS). MD 3.0 (ECX).
28	09	47	07.0?	40.08	S	174.98	E	5	G		0.3	8	COOK STRAIT, NEW ZEALAND. ML 3.9 (WEL).
28	09	58	09.9	7.589	S	74.416	W	149	D	5.3	0.9	255	PERU-BRAZIL BORDER REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:58:16.5; Lat 7.74 S; Lon 74.33 W; Dep 133.3; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.22, Plg=15, Azm=115; (N) Val=-0.13, Plg=18, Azm=210; (P) Val=-1.09, Plg=66, Azm=347; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=181, Dip=34, Slip=-124; NP2: Strike=40, Dip=63, Slip=-70.
28	11	57	42.7*	41.754	N	146.526	E	33	N	4.4	1.3	16	OFF COAST OF HOKKAIDO, JAPAN
28	13	32	05.2	43.177	N	0.224	W	10	G		1.1	64	PYRENEES. ML 3.8 (LDG), 3.8 (STR). mbLg 3.6 (MDD). Felt (IV) in the Bearn and Bigorre regions, France.
28	13	32	40.2	12.676	N	143.022	E	144	*	4.5	0.7	23	SOUTH OF MARIANA ISLANDS
28	15	21	05.0	15.363	S	172.964	E	33	N	5.4 5.5	1.1	155	VANUATU ISLANDS REGION. Mw 5.9 (GS), 5.8 (HRV). Moment Tensor (GS): Dep 13; Principal axes (scale 10**17 Nm): (T) Val=8.08, Plg=15, Azm=18; (N) Val=-0.27, Plg=71, Azm=161; (P) Val=-7.80, Plg=11, Azm=285; Best double couple: Mo=7.9*10**17 Nm; NP1: Strike=61, Dip=71, Slip=177; NP2: Strike=152, Dip=87, Slip=19. Centroid, Moment Tensor (HRV): Centroid origin time 15:21:08.3; Lat 15.33 S; Lon 173.18 E; Dep 15.0 Fix; Half-duration 2.2 sec; Principal axes (scale 10**17 Nm): (T) Val=8.08, Plg=11, Azm=19; (N) Val=-3.68, Plg=78, Azm=225; (P) Val=-4.39, Plg=5, Azm=110; Best double couple: Mo=6.2*10**17 Nm; NP1: Strike=155, Dip=79, Slip=4; NP2: Strike=64, Dip=86, Slip=169.
28	15	24	55.8?	15.22	S	172.86	E	33	N	4.9	1.2	20	VANUATU ISLANDS REGION
28	15	56	59.9&	48.701	S	123.402	E	10	G		0.6	5	SOUTH OF AUSTRALIA
28	16	18	56.8	46.256	N	8.672	E	10	G		1.0	27	SWITZERLAND. ML 2.5 (LDG), 2.5 (STR).
28	16	46	08.1*	8.546	S	122.081	E	200	G	4.0	1.1	11	FLORES REGION, INDONESIA
28	17	46	36.6&	63.386	N	151.263	W	13				38	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.5 (PMR).
28	18	16	58.7*	32.863	N	60.383	E	33	N		1.3	10	NORTHERN IRAN
28	18	39	27.4?	28.83	S	177.37	W	200	G	4.4	1.2	21	KERMADEC ISLANDS REGION
28	18	39	53.8&	44.100	N	6.900	E	2				9	FRANCE. <LDG>. ML 1.9 (LDG).
28	20	14	17.5	51.656	N	16.228	E	5	G		1.1	32	POLAND. ML 3.9 (GRF), 3.5 (WAR), 3.5 (VIE), 3.5 (FUR), 3.2 (CLL).
28	20	21	07.4&	38.940	N	21.580	E	5		3.5		22	GREECE. <ATH>. ML 3.5 (ATH).
28	20	27	40.8	56.143	S	27.291	W	150	G	4.3	0.8	19	SOUTH SANDWICH ISLANDS REGION
28	20	47	58.1*	51.190	N	16.011	E	5	G		1.1	6	POLAND. ML 2.6 (WAR).
28	20	48	57.8*	51.373	N	16.072	E	5	G		0.5	8	POLAND. ML 3.4 (VIE), 2.8 (WAR).
28	21	26	52.8*	23.170	S	179.920	W	550	G	4.5	1.2	31	SOUTH OF FIJI ISLANDS
28	21	27	13.6*	28.870	S	177.045	W	125	?	4.7	1.4	41	KERMADEC ISLANDS REGION
28	21	45	55.7&	54.049	N	162.763	W	12		5.1 4.4		182	ALASKA PENINSULA. <AEIC>. Mw 5.2 (HRV). ML 4.9 (AEIC), 5.0 (PMR). Felt (III) at False Pass. Also felt at Cold Bay. Centroid, Moment Tensor (HRV): Centroid origin time 21:46:03.6; Lat 54.29 N; Lon 162.88 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.58, Plg=57, Azm=329; (N) Val=0.68, Plg=1, Azm=60; (P) Val=-7.26, Plg=33, Azm=151; Best double couple:

Mo=6.9*10**16 Nm; NP1: Strike=245, Dip=12, Slip=95; NP2: Strike=60, Dip=78, Slip=89.

28	22	05	34.6&	42.952	N	17.644	E	9				16	ADRIATIC SEA. <PDG>. ML 3.0 (PDG).
28	23	28	36.7&	33.087	S	72.089	W	14				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
29	00	16	17.3*	5.673	S	152.215	E	33	N	4.1	1.1	12	NEW BRITAIN REGION, P.N.G.
29	00	53	31.3*	13.820	N	118.997	E	33	N	4.5	0.9	19	PHILIPPINE ISLANDS REGION
29	01	03	58.8&	40.620	N	122.424	W	26				4	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
29	01	11	54.3*	8.349	N	103.013	W	33	N	4.1	1.0	12	OFF COAST OF MEXICO
29	01	47	08.3	15.160	S	73.126	W	99		4.3	0.5	17	SOUTHERN PERU
29	01	49	14.3*	5.396	S	152.774	E	68	*		1.4	13	NEW BRITAIN REGION, P.N.G.
29	01	52	05.0&	35.272	S	71.265	W	115				12	CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
29	02	22	40.8&	40.648	N	122.431	W	25				3	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
29	03	04	51.1*	46.985	N	152.700	E	100	G	4.2	1.0	20	KURIL ISLANDS
29	03	26	31.8	9.681	S	121.396	E	33	N	4.0	1.3	14	SAVU SEA
29	04	06	10.0&	38.270	N	0.340	W	6				22	SPAIN. <MDD>. mbLg 2.9 (MDD).
29	04	39	05.9?	42.22	S	73.94	W	100	G	4.2	1.0	8	SOUTHERN CHILE
29	05	36	02.4	2.153	N	83.300	W	33	N	4.5 4.3	0.8	20	OFF COAST OF CENTRAL AMERICA
29	05	43	12.8&	31.858	S	69.733	W	163				9	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.0 (GUC).
29	06	07	32.8*	25.128	N	124.238	E	113	*		0.8	8	NORTHEAST OF TAIWAN
29	06	21	15.2*	24.012	N	121.882	E	33	N		1.3	8	TAIWAN
29	06	22	02.8&	61.086	N	150.052	W	48				19	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
29	07	02	29.3&	35.200	N	25.500	E	14				5	CRETE. <ATH>. MD 3.5 (ATH).
29	07	47	29.7&	32.385	S	71.345	W	43				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.9 (GUC).
29	08	25	57.6*	17.643	S	178.901	W	600	G	4.5	0.8	18	FIJI ISLANDS REGION
29	10	22	19.9*	13.869	N	119.096	E	33	N	4.6	0.9	23	PHILIPPINE ISLANDS REGION
29	10	23	08.6&	33.147	S	70.980	W	64				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
29	10	35	25.0*	28.695	S	177.144	W	100	G	4.9	0.9	22	KERMADEC ISLANDS REGION
29	11	05	10.5*	15.086	S	174.867	E	656	?	4.3	1.0	31	FIJI ISLANDS REGION
29	11	09	00.9&	33.813	S	70.142	W	125				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
29	11	11	07.9&	36.800	N	121.528	W	8				11	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.3 (BRK).
29	11	17	21.1&	10.657	N	62.403	W	90				9	NEAR COAST OF VENEZUELA. <TRN>. MD 3.6 (TRN).
29	11	56	27.9*	27.425	N	142.961	E	33	N	4.4	1.3	14	BONIN ISLANDS REGION
29	12	52	33.8*	37.190	N	141.227	E	83	D	4.1	1.2	21	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in southern Fukushima and western Tochigi; (I JMA) in Ibaraki and other parts of Fukushima and Tochigi Prefectures.
29	12	53	46.5*	30.412	N	138.352	E	448	*	4.2	1.1	27	SOUTH OF HONSHU, JAPAN
29	13	08	16.8&	47.300	N	7.900	E	2				6	SWITZERLAND. <LDG>. ML 1.7 (LDG).
29	13	12	02.2&	61.523	N	151.428	W	64				14	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
29	13	27	01.2*	45.591	N	26.289	E	100	G		1.2	7	ROMANIA
29	14	00	23.9*	10.698	S	163.516	E	33	N	4.5	1.1	17	SOLOMON ISLANDS
29	14	10	31.9	2.071	S	124.891	E	33	N	6.5 7.7	1.2	239	CERAM SEA. Mw 7.7 (GS), 7.7 (HRV), 7.4 (OBN). Me 8.3 (GS). Ms 7.5 (BRK). At least 34 people killed, 89 injured and about 1,000 buildings destroyed or damaged (VII) on Mangole and Taliabu, Indonesia. At least 7 people killed and 18 injured at Manado, Sulawesi. Felt (VI) at Luwuk, Sulawesi; (IV) on Ternate; (III) on Ambon and at Palu, Sulawesi. Broadband Source Parameters (GS): Dep 16; NP1: Strike=190, Dip=85, Slip=-175; NP2: Strike=100, Dip=85, Slip=-5; Radiated energy 7.2*10**16 Nm. Complex earthquake, with a large event occurring about 5 seconds after a small onset. Moment Tensor (GS): Dep 44; Principal axes (scale 10**20 Nm): (T) Val=4.12, Plg=3, Azm=326; (N) Val=0.71, Plg=76, Azm=225; (P) Val=-4.82, Plg=14, Azm=57; Best double couple: Mo=4.5*10**20 Nm; NP1: Strike=101, Dip=78, Slip=-8; NP2: Strike=192, Dip=82, Slip=-168. Centroid, Moment Tensor (HRV): Centroid origin time 14:10:45.1; Lat 2.03 S; Lon 125.00 E; Dep 16.4; Half-duration 19.5 sec; Principal axes (scale 10**20 Nm): (T) Val=3.56, Plg=1, Azm=324; (N) Val=1.86, Plg=52, Azm=232; (P) Val=-5.41, Plg=38, Azm=55; Best double couple: Mo=4.5*10**20 Nm; NP1: Strike=92, Dip=63, Slip=-28; NP2: Strike=196, Dip=65, Slip=-150. Scalar Moment (PPT): Mo=6.9*10**20 Nm. Scalar Moment (OBN): Mo=1.4*10**20 Nm.
29	14	23	06.1?	2.04	S	125.21	E	33	N		1.4	9	CERAM SEA
29	14	32	25.1*	1.905	S	128.764	E	33	N		1.1	7	HALMAHERA, INDONESIA
29	14	38	25.2*	2.239	S	124.731	E	33	N		0.9	20	CERAM SEA
29	14	47	41.8*	1.932	S	124.315	E	33	N	4.5	1.3	21	SOUTHERN MOLUCCA SEA
29	14	53	20.0*	2.038	S	124.572	E	33	N	4.8	1.3	21	CERAM SEA
29	14	57	26.8?	1.93	S	124.53	E	33	N		1.3	9	SOUTHERN MOLUCCA SEA
29	15	00	19.5*	2.004	S	124.886	E	33	N	4.8	1.0	19	CERAM SEA
29	15	05	07.7*	2.075	S	124.524	E	33	N	4.4	0.8	18	CERAM SEA
29	15	48	00.1*	2.041	S	124.927	E	33	N		0.9	11	CERAM SEA
29	15	51	46.9*	0.717	S	121.486	E	33	N		1.5	12	MINAHASSA PENINSULA, SULAWESI
29	15	59	09.8&	35.634	S	71.695	W	102				12	CENTRAL CHILE. <GUC>. MD 2.6 (GUC).
29	16	05	06.3*	2.019	S	124.754	E	33	N		1.5	7	CERAM SEA
29	16	19	23.2*	1.907	S	124.604	E	33	N		1.3	7	SOUTHERN MOLUCCA SEA
29	16	20	47.3*	3.289	S	143.853	E	33	N		0.6	7	NEAR N COAST OF NEW GUINEA, PNG.
29	16	22	01.7*	1.916	S	124.950	E	33	N		0.9	10	SOUTHERN MOLUCCA SEA
29	16	25	26.2*	2.043	S	124.376	E	33	N		1.2	9	CERAM SEA
29	16	28	54.2?	31.31	S	69.53	W	100	G		1.0	13	SAN JUAN PROVINCE, ARGENTINA. MD 3.4 (GUC).
29	16	37	00.6&	63.361	N	148.950	W	95				11	CENTRAL ALASKA. <AEIC>.
29	16	44	36.2?	1.93	S	124.64	E	33	N		1.5	7	SOUTHERN MOLUCCA SEA
29	16	50	53.3*	1.907	S	124.810	E	33	N		1.1	12	SOUTHERN MOLUCCA SEA
29	16	56	30.0	1.951	S	124.408	E	33	N	4.9	1.2	27	SOUTHERN MOLUCCA SEA
29	17	07	43.7&	44.400	N	7.278	E	11				24	NORTHERN ITALY. <GEN>. ML 2.3 (GEN), 1.9 (STR), 1.8 (LDG).
29	17	14	00.5	48.132	N	148.441	E	396		4.9	0.7	176	NORTHWEST OF KURIL ISLANDS
29	17	32	32.5	1.909	S	124.708	E	33	N	5.7	1.3	108	SOUTHERN MOLUCCA SEA
29	18	09	56.9&	36.800	N	121.526	W	8				6	CENTRAL CALIFORNIA. <GM-P>. MD 2.4 (GM).
29	18	40	14.3*	1.708	S	124.502	E	33	N		1.0	7	SOUTHERN MOLUCCA SEA
29	18	41	39.0&	42.106	N	20.564	E	9				23	NORTHWESTERN BALKAN REGION. <PDG>. MD 3.4 (ATH). ML 3.2 (PDG).
29	18	56	16.6*	1.881	S	124.980	E	33	N	4.6	1.2	15	SOUTHERN MOLUCCA SEA

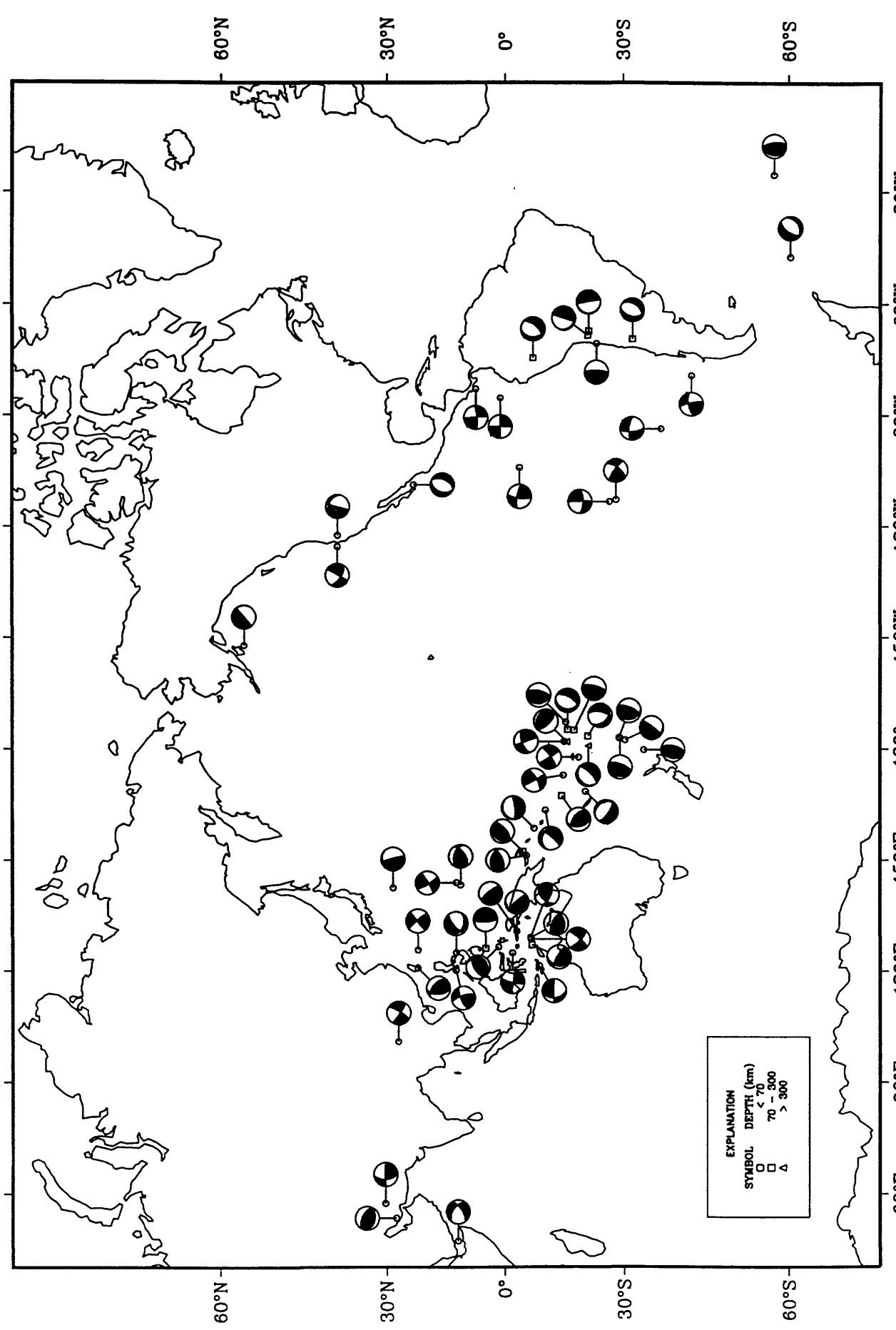
29	19	19	44.9&	33.971	S	71.224	W	58					13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.7 (GUC).
29	19	22	43.7?	2.09	S	125.15	E	33	N			1.5	8	CERAM SEA
29	19	25	43.1?	1.86	S	124.61	E	33	N			1.4	9	SOUTHERN MOLUCCA SEA
29	19	36	34.1?	2.00	S	124.84	E	33	N			1.4	10	CERAM SEA
29	19	45	30.2?	1.90	S	124.58	E	33	N			1.3	7	SOUTHERN MOLUCCA SEA
29	19	47	27.0*	1.989	S	124.690	E	33	N	4.3		1.4	14	SOUTHERN MOLUCCA SEA
29	19	50	10.0*	2.078	S	124.751	E	33	N			0.9	10	CERAM SEA
29	19	51	23.6&	37.350	N	22.110	E	5					5	SOUTHERN GREECE. <ATH>. ML 3.1 (ATH).
29	20	02	23.6?	1.86	S	125.10	E	33	N			1.0	5	SOUTHERN MOLUCCA SEA
29	20	16	00.8	1.845	S	124.662	E	33	N	4.2		0.9	14	SOUTHERN MOLUCCA SEA
29	20	30	51.6	1.962	S	124.582	E	33	N	4.7		1.3	40	SOUTHERN MOLUCCA SEA
29	21	25	09.6*	2.604	S	141.295	E	10	G			1.5	7	NEAR N COAST OF NEW GUINEA, PNG.
29	21	54	09.4&	46.700	N	5.800	E	2					11	FRANCE. <LDG>. ML 2.0 (LDG).
29	22	01	24.6*	2.247	S	124.855	E	33	N			0.9	8	CERAM SEA
29	22	05	06.1&	38.230	N	25.050	E	11					6	AEGEAN SEA. <ATH>. ML 3.2 (ATH).
29	22	09	01.8?	2.00	S	124.42	E	33	N			1.4	7	SOUTHERN MOLUCCA SEA
29	22	13	58.8&	53.832	N	162.758	W	3					11	SOUTH OF ALASKA. <AEIC>. ML 3.6 (AEIC).
29	22	17	58.5	6.175	S	105.401	E	33	N	5.0		1.3	57	SUNDA STRAIT
29	23	17	44.8*	1.581	S	123.942	E	33	N	4.5		1.0	9	SULAWESI, INDONESIA
29	23	43	08.0*	4.218	S	135.384	E	33	N	4.4		1.5	16	IRIAN JAYA REGION, INDONESIA
29	23	44	42.0*	29.536	N	95.005	E	33	N	3.8		1.4	7	EASTERN XIZANG-INDIA BORDER REG.
29	23	59	37.7*	4.328	S	135.468	E	33	N	3.9		1.4	7	IRIAN JAYA REGION, INDONESIA
30	00	14	26.2&	35.810	N	22.510	E	63		4.0			28	CENTRAL MEDITERRANEAN SEA. <ATH>.
30	00	17	38.7&	32.793	S	69.131	W	8					13	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 4.2 (GUC).
30	00	18	53.8*	2.390	S	124.643	E	33	N			1.3	12	CERAM SEA
30	00	48	02.9*	10.697	S	163.476	E	33	N	4.4		1.4	18	SOLOMON ISLANDS
30	02	05	14.6*	45.403	N	150.653	E	33	N	4.0		1.0	18	KURIL ISLANDS
30	02	11	02.6	52.663	N	176.409	W	196		4.7		0.9	175	ANDREANOF ISLANDS, ALEUTIAN IS.
30	02	13	38.7*	2.013	S	124.999	E	33	N	4.1		1.0	12	CERAM SEA
30	02	30	43.5&	60.151	N	152.428	W	81					40	SOUTHERN ALASKA. <AEIC>.
30	02	32	59.2*	1.878	S	124.759	E	33	N	4.2		0.5	8	SOUTHERN MOLUCCA SEA
30	02	33	39.0&	36.920	N	4.490	W	69					10	STRAIT OF GIBRALTAR. <MDD>.
30	03	04	01.1&	34.789	S	70.973	W	89					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
30	03	14	18.6*	56.884	S	30.418	W	33	N			1.5	13	SOUTH SANDWICH ISLANDS REGION
30	03	20	55.5&	54.083	N	164.027	W	25					9	UNIMAK ISLAND REGION. <AEIC>. ML 3.6 (AEIC).
30	04	18	27.9*	45.274	N	150.237	E	33	N	4.3		0.4	6	KURIL ISLANDS
30	04	24	40.8?	2.17	S	124.10	E	33	N	4.0		0.8	6	CERAM SEA
30	05	09	32.1*	31.705	S	69.266	W	100	G			1.0	14	SAN JUAN PROVINCE, ARGENTINA. MD 3.5 (GUC).
30	06	36	44.1	9.050	N	83.955	W	33	N			0.5	13	COSTA RICA. MD 4.1 (UPA).
30	07	21	29.9	10.803	S	163.520	E	33	N	4.8	4.7	0.9	35	SOLOMON ISLANDS. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:21:32.6; Lat 10.33 S; Lon 163.29 E; Dep 15.0 Fix; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.00, Plg=27, Azm=152; (N) Val=0.04, Plg=27, Azm=47; (P) Val=-1.04, Plg=50, Azm=280; Best double couple: Mo=1.0*10**17 Nm; NP1: Strike=287, Dip=30, Slip=-26; NP2: Strike=40, Dip=77, Slip=-117.
30	07	22	27.0*	1.842	S	124.597	E	33	N			1.2	11	SOUTHERN MOLUCCA SEA
30	09	15	26.4&	36.720	N	23.000	E	13					6	SOUTHERN GREECE. <ATH>. MD 3.1 (ATH).
30	09	44	43.6	35.593	N	29.339	E	58		4.4		1.2	61	EASTERN MEDITERRANEAN SEA
30	10	13	26.0	1.918	S	124.613	E	33	N	4.5		0.8	18	SOUTHERN MOLUCCA SEA
30	10	33	13.3?	10.76	S	163.46	E	33	N	4.2		1.5	11	SOLOMON ISLANDS
30	10	59	27.9&	44.330	N	7.600	E	2	G				13	NORTHERN ITALY. <STR>. ML 2.3 (LDG), 2.2 (STR).
30	11	03	44.6?	15.06	S	173.45	W	33	N	4.3		1.1	11	TONGA ISLANDS
30	11	11	46.4*	39.689	N	73.474	E	33	N	3.7		1.4	8	TAJIKISTAN-XINJIANG BORDER REG.
30	11	11	51.5?	2.27	S	124.79	E	33	N	4.2		1.1	9	CERAM SEA
30	11	43	01.2&	32.029	S	69.963	W	132					11	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.0 (GUC).
30	12	00	48.9*	17.101	N	96.106	E	10	G	4.5		0.9	6	MYANMAR
30	13	19	48.7	1.824	S	124.500	E	33	N	4.6		1.3	19	SOUTHERN MOLUCCA SEA
30	13	52	18.8*	38.185	N	142.073	E	79	?	4.2		0.9	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in northeastern Miyagi Prefecture.
30	14	56	04.2*	40.837	S	44.479	E	10	G	4.4		0.6	12	SOUTHWEST INDIAN RIDGE
30	15	48	43.6	1.894	S	124.609	E	33	N	5.1	4.3	1.2	67	SOUTHERN MOLUCCA SEA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:48:45.0; Lat 2.01 S; Lon 125.18 E; Dep 64.1; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.01, Plg=4, Azm=327; (N) Val=-0.02, Plg=72, Azm=224; (P) Val=-0.98, Plg=17, Azm=59; Best double couple: Mo=9.9*10**16 Nm; NP1: Strike=102, Dip=75, Slip=-9; NP2: Strike=194, Dip=81, Slip=-165.
30	16	32	01.3&	32.067	S	70.867	W	91					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
30	16	38	24.2*	51.143	N	15.858	E	5	G			1.0	7	POLAND. ML 3.0 (VIE).
30	16	42	47.5&	64.491	N	147.173	W	17					24	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
30	17	32	28.4	8.467	S	119.350	E	171	*	4.2		1.0	14	FLORES REGION, INDONESIA
30	18	15	11.9*	2.096	S	124.840	E	33	N	4.5		0.9	15	CERAM SEA
30	18	16	26.2*	15.460	S	71.962	W	53	*	4.8		1.2	36	SOUTHERN PERU
30	18	23	13.7*	8.478	S	121.176	E	205	?			1.2	9	FLORES REGION, INDONESIA
30	18	23	39.1?	6.96	S	147.49	E	67	*	3.9		1.5	10	EASTERN NEW GUINEA REG., P.N.G.
30	18	33	50.1&	65.707	N	145.310	W	11					14	NORTHERN ALASKA. <AEIC>. ML 3.2 (AEIC).
30	18	38	38.7*	40.198	N	140.234	E	33	N			0.3	6	EASTERN HONSHU, JAPAN
30	18	49	01.7&	10.991	N	62.232	W	99					8	NEAR COAST OF VENEZUELA. <TRN>. MD 3.4 (TRN).
30	18	52	39.6&	31.144	S	71.719	W	25					18	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.5 (GUC). Felt (III) at Combarbala, Monte Patria and Ovalle; (II) at Hurtado and Punitaqui.
30	19	11	41.7*	11.149	N	95.262	E	33	N			0.4	8	ANDAMAN ISLANDS, INDIA
30	19	32	20.8	39.792	N	115.710	W	5	G			0.6	20	NEVADA. ML 3.7 (GS). MD 3.3 (REN).
30	20	18	28.1	14.096	N	145.451	E	115	D	4.6		1.1	50	MARIANA ISLANDS
30	20	30	54.5	1.993	S	124.957	E	33	N	4.5		1.1	21	SOUTHERN MOLUCCA SEA
30	20	51	11.1	7.057	N	82.387	W	10	G	4.2		0.8	21	SOUTH OF PANAMA. MD 4.7 (SJR), 4.4 (UPA).
30	20	58	36.2	5.875	S	151.262	E	33	N	5.5	5.6	0.9	201	NEW BRITAIN REGION, P.N.G. Mw 5.8 (HRV), 5.7 (GS). Moment Tensor (GS): Dep 39; Principal axes (scale 10**17 Nm): (T) Val=4.76, Plg=69, Azm=288; (N) Val=-1.59, Plg=19, Azm=81; (P) Val=-3.17, Plg=9, Azm=174; Best double couple:

Mo=4.0*10**17 Nm; NP1: Strike=285, Dip=39, Slip=121; NP2: Strike=68, Dip=57, Slip=67.
Centroid, Moment Tensor (HRV): Centroid origin time 20:58:42.6; Lat 6.04 S; Lon 151.84 E; Dep 39.6; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=5.15, Plg=65, Azm=278; (N) Val=0.22, Plg=13, Azm=37; (P) Val=-5.36, Plg=21, Azm=132; Best double couple: Mo=5.3*10**17 Nm; NP1: Strike=243, Dip=26, Slip=119; NP2: Strike=31, Dip=67, Slip=76.

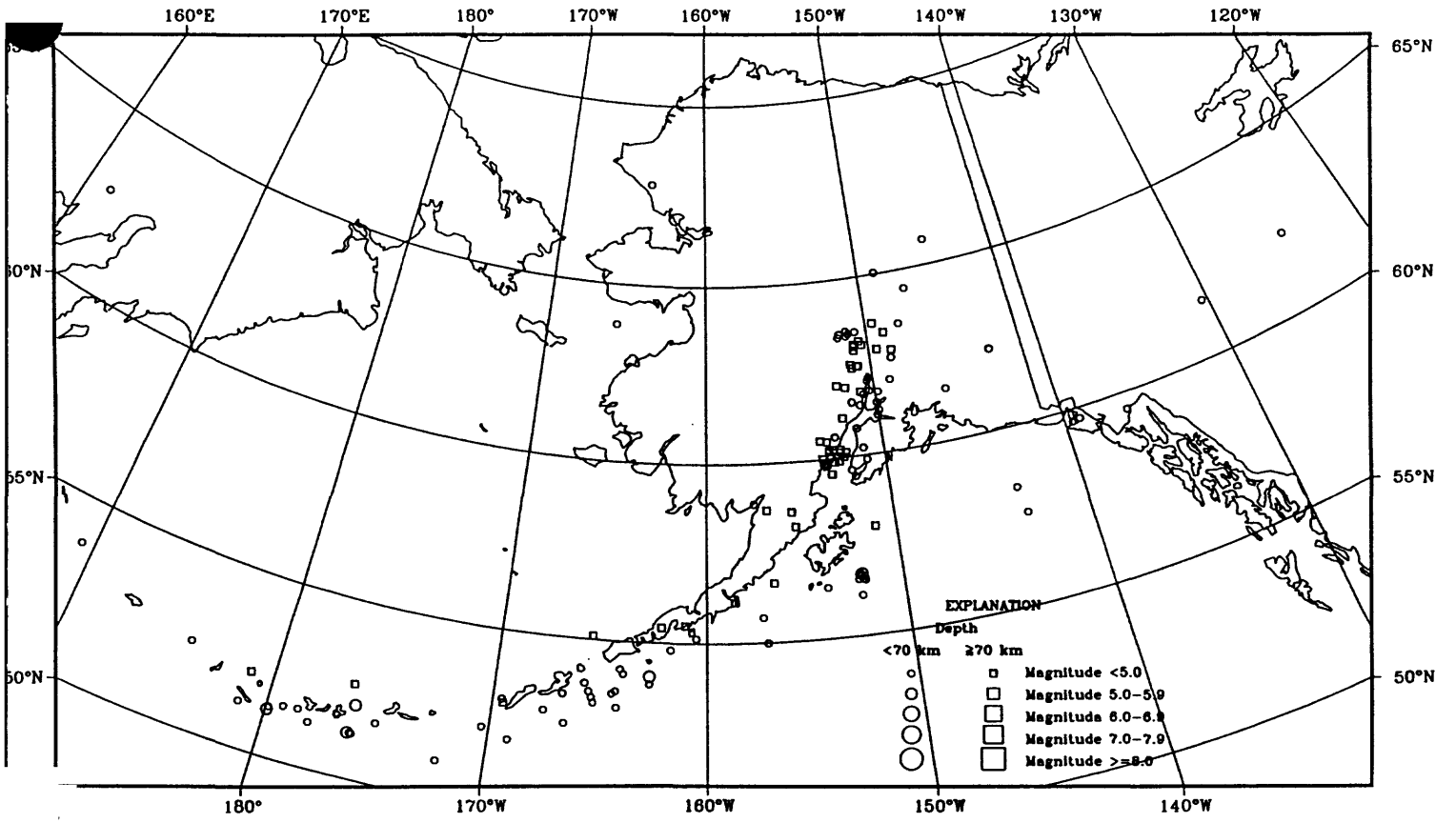
30	22	13	00.0&	33.610	S	70.273	W	109			12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
30	23	25	08.7*	62.754	N	161.509	E	10 G	3.9	1.0	10	EASTERN SIBERIA, RUSSIA
30	23	34	29.3	36.270	N	8.690	E	33 N		1.3	49	TUNISIA. mbLg 4.6 (MDD).

Compiled by Pamela J. Benfield, Don L. Blakeman, Charles G. Bufe, George L. Choy, Stuart K. Koyanagi, Alena L. Leeds, John H. Minsch, Waverly J. Person, Stuart A. Sipkin, William K. Smith, Trina F. Vithayathil and Madeleine D. Zirbes.

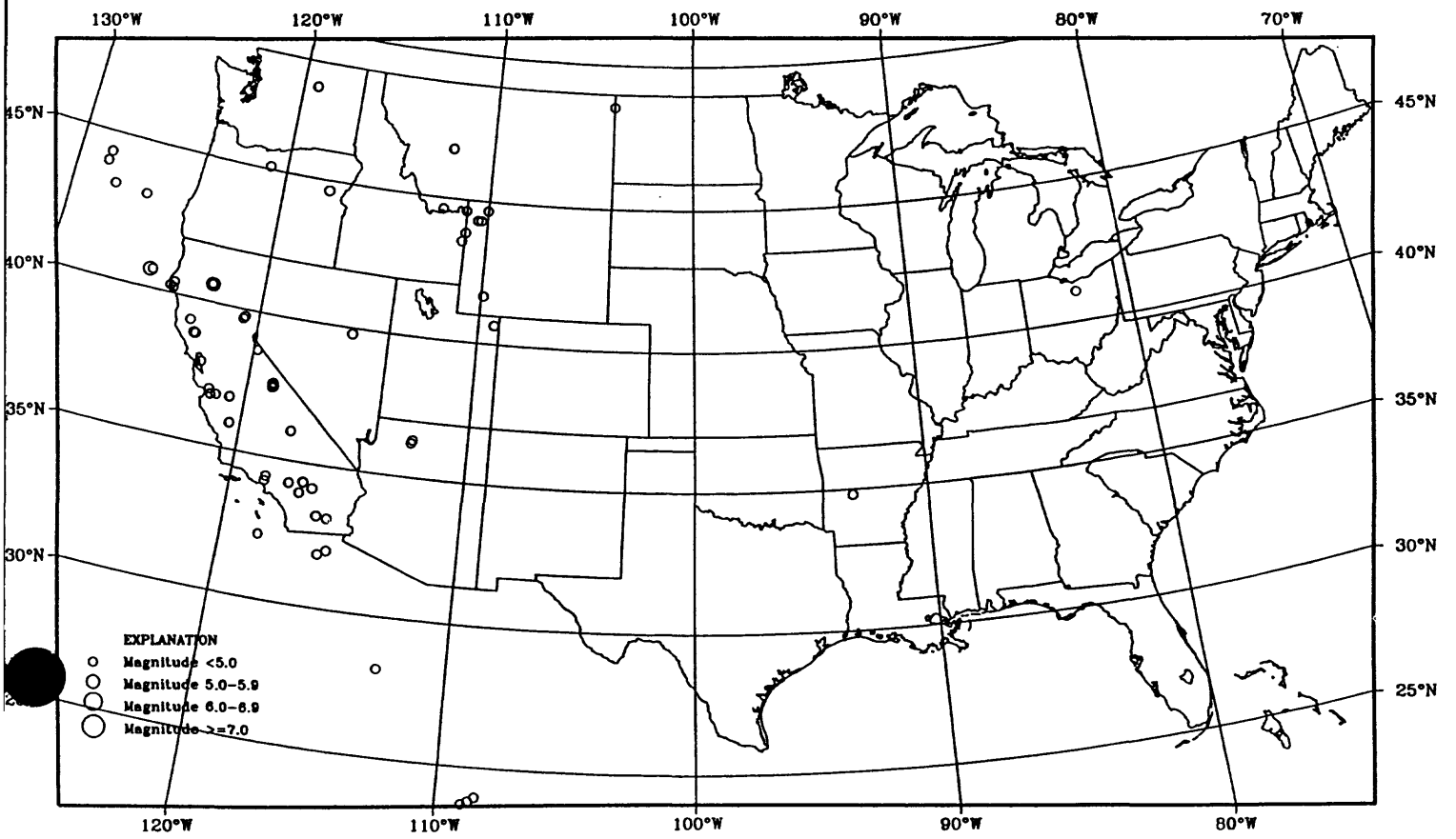
Earthquake Focal Mechanisms for November 1998



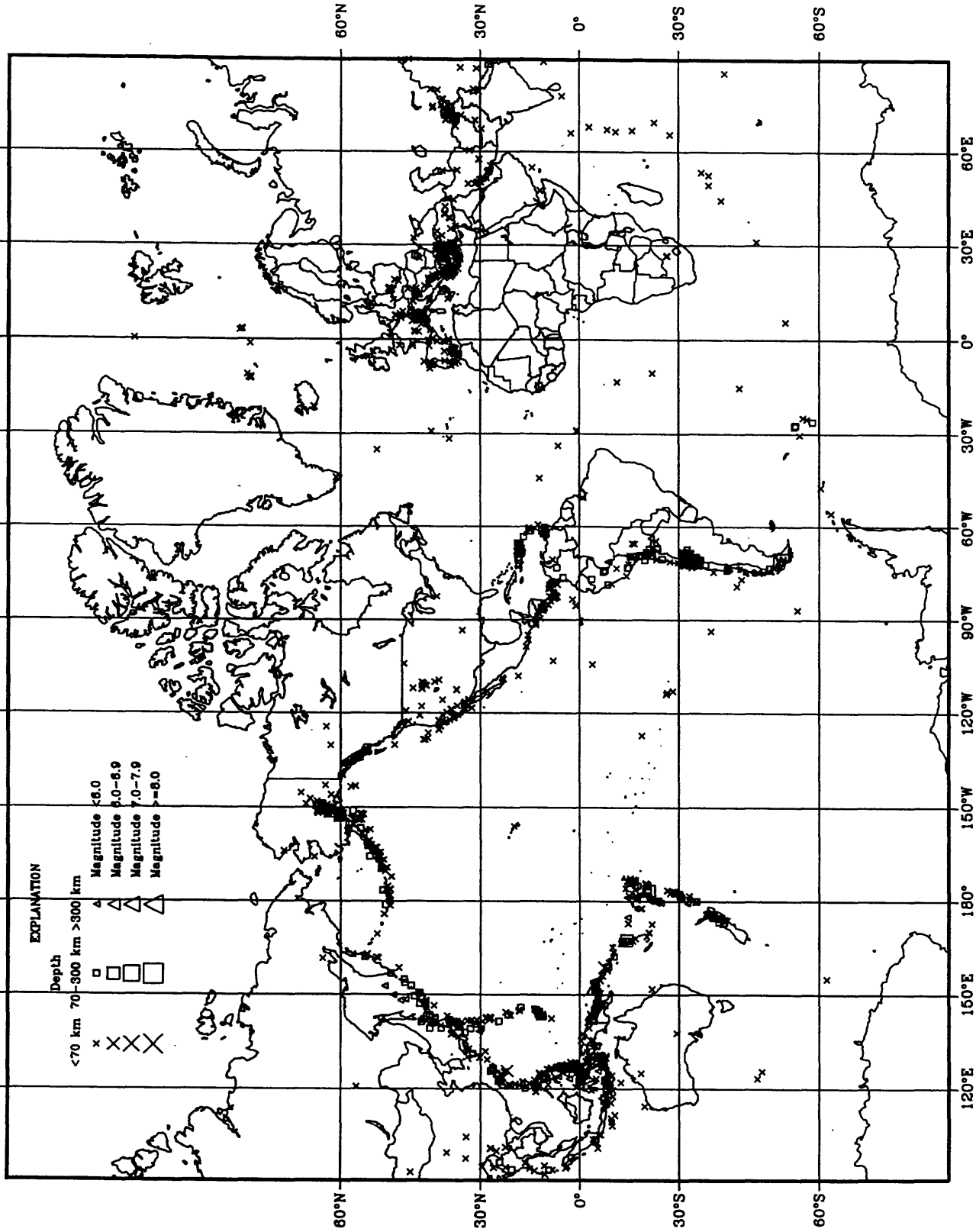
Earthquake epicenters in Alaska and adjacent regions for November 1998



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



Earthquakes located worldwide in November 1998



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

USGS
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Preliminary Determination of Epicenters

Monthly Listing

National Earthquake Information Center

DECEMBER 1998

DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDE MB	Msz	GS	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00	37	34.9	48.065	N	7.554	E	10	G			1.2	33	FRANCE. ML 2.5 (LDG), 2.2 (FBB), 2.0 (STR).
01	00	56	23.3	43.741	N	139.972	E	209		4.4		0.9	75	EASTERN SEA OF JAPAN
01	00	56	37.9&	35.032	S	70.065	W	186					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
01	01	04	06.2&	40.635	N	122.418	W	26					3	NORTHERN CALIFORNIA. <GM-P>. ML 2.9 (GM), 3.1 (BRK).
01	01	06	02.9*	13.635	N	147.466	E	33	N	4.9		0.9	18	SOUTH OF MARIANA ISLANDS
01	01	10	19.4*	25.160	S	179.783	E	500	G	4.9		1.1	22	SOUTH OF FIJI ISLANDS
01	01	49	25.9&	31.797	S	69.337	W	165					11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.7 (GUC).
01	01	52	51.9&	38.060	N	21.280	E	5					9	GREECE. <ATH>. ML 3.5 (ATH).
01	02	00	14.6	1.864	S	124.570	E	33	N	5.0		1.1	74	SOUTHERN MOLUCCA SEA
01	02	49	45.2*	1.812	S	124.542	E	33	N	4.1		1.5	10	SOUTHERN MOLUCCA SEA
01	03	21	29.8&	59.555	N	152.842	W	97					19	SOUTHERN ALASKA. <AEIC>.
01	03	49	06.7*	6.279	S	104.682	E	73	?	4.7		1.0	20	SUNDA STRAIT
01	04	15	39.9*	14.298	S	66.115	E	10	G	4.7		0.8	16	MID-INDIAN RIDGE
01	05	01	48.2&	38.400	N	20.400	E	5					6	GREECE. <ATH>. MD 3.1 (ATH).
01	05	18	25.6	13.482	N	120.103	E	33	N	4.8	4.2	1.1	36	MINDORO, PHILIPPINE ISLANDS
01	05	24	07.0*	2.375	S	124.586	E	33	N	4.4		1.2	10	CERAM SEA
01	05	35	09.2	27.935	N	87.649	E	33	N	4.8		0.9	35	NEPAL
01	07	37	56.1	26.373	N	104.021	E	10	G	4.5		0.7	30	SOUTHEASTERN CHINA. At least 84 people injured; 21,400 houses and 472 schools damaged in Yunnan Province.
01	08	00	49.8&	31.973	S	69.961	W	146					9	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.6 (GUC).
01	08	35	13.2*	17.977	S	179.348	W	600	G	4.6		1.0	37	FIJI ISLANDS REGION
01	10	20	56.4	7.557	N	82.177	W	33	N	4.9		0.9	58	SOUTH OF PANAMA. MD 4.9 (SJR), 4.6 (UPA).
01	10	36	49.6*	39.915	N	77.105	E	33	N	4.5		0.8	11	SOUTHERN XINJIANG, CHINA
01	10	38	45.5&	53.099	N	164.338	W	22		5.6	4.8		394	UNIMAK ISLAND REGION. <AEIC>. Mw 5.4 (GS), 5.4 (HRV). ML 5.1 (AEIC). Moment Tensor (GS): Dep 10; Principal axes (scale 10**17 Nm): (T) Val=1.42, Plg=54, Azm=6; (N) Val=0.04, Plg=25, Azm=236; (P) Val=-1.47, Plg=24, Azm=134; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=184, Dip=30, Slip=33; NP2: Strike=64, Dip=74, Slip=116. Centroid, Moment Tensor (HRV): Centroid origin time 10:38:45.5; Lat 52.88 N; Lon 164.31 W; Dep 15.0 Bdy; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.32, Plg=66, Azm=312; (N) Val=0.05, Plg=8, Azm=59; (P) Val=-1.36, Plg=23, Azm=152; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=257, Dip=23, Slip=110: NP2: Strike=56, Dip=68, Slip=82.
01	11	13	21.3&	33.910	S	70.378	W	91					8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
01	11	40	39.2	35.268	N	135.452	E	384		3.8		0.8	18	WESTERN HONSHU, JAPAN
01	12	37	18.6&	34.593	S	71.068	W	90					11	NEAR COAST OF CENTRAL CHILE. <GUC>.
01	13	22	47.1	17.477	S	69.270	W	160	D	4.7		1.1	39	PERU-BOLIVIA BORDER REGION. Felt (III) at Arica, Chile.
01	13	55	25.6?	4.97	S	145.66	E	142	*	3.8		1.3	10	NEAR N COAST OF NEW GUINEA. PNG.
01	14	11	49.5*	7.317	S	111.686	E	238		4.2		0.9	14	JAWA, INDONESIA
01	14	12	52.1&	59.620	N	152.810	W	98					15	SOUTHERN ALASKA. <AEIC>.
01	14	20	39.0*	23.967	S	69.568	E	10	G	4.3		0.7	15	MID-INDIAN RIDGE
01	14	55	18.0	6.378	S	78.528	W	33	N	4.5		0.8	26	NORTHERN PERU
01	15	58	37.4	17.619	S	69.302	W	161	D	5.0		1.0	123	PERU-BOLIVIA BORDER REGION. Mw 5.3 (HRV). Felt (IV) at Arica, Chile. Centroid, Moment Tensor (HRV): Centroid origin time 15:58:41.7; Lat 17.62 S Fix; Lon 69.30 W Fix; Dep 169.6; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.03, Plg=15, Azm=125; (N) Val=-0.15, Plg=39, Azm=22; (P) Val=-0.87, Plg=47, Azm=232; Best double couple: Mo=9.5*10**16 Nm; NP1: Strike=255, Dip=45, Slip=-28; NP2: Strike=6, Dip=71, Slip=-132.
01	16	12	39.7*	51.101	N	15.831	E	5	G			0.9	6	POLAND. ML 2.6 (WAR), 2.2 (CLL).
01	18	12	12.7?	28.06	S	27.14	E	5	G			1.3	8	REPUBLIC OF SOUTH AFRICA
01	18	20	29.0*	9.417	S	148.872	E	33	N			0.7	9	EASTERN NEW GUINEA REG., P.N.G.
01	18	45	55.4*	15.128	N	91.585	W	185	D	4.3		1.3	42	MEXICO-GUATEMALA BORDER REGION
01	19	05	09.3	10.543	S	161.346	E	75	*	4.5		0.8	35	SOLOMON ISLANDS
01	19	57	00.8*	21.592	S	176.670	W	200	G	4.3		1.1	22	FIJI ISLANDS REGION

01	20	04	57.2*	18.523	S	177.737	W	600	G	4.2	0.8	17	FIJI ISLANDS REGION
01	20	31	14.9*	2.145	S	124.654	E	33	N	3.9	1.0	10	CERAM SEA
01	20	43	56.5&	64.497	N	147.183	W	12				25	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
01	21	08	18.9	43.636	N	85.087	E	33	N	4.7	0.8	27	NORTHERN XINJIANG, CHINA
01	21	17	06.5&	60.819	N	146.699	W	15				31	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.6 (PMR).
01	21	21	12.6&	31.707	S	69.788	W	125				8	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.5 (GUC).
01	22	25	27.4&	42.600	N	1.400	E	2				5	PYRENEES. <LDG>. ML 2.0 (LDG).
01	22	42	37.2*	32.660	N	48.168	E	33	N	4.5	1.1	17	WESTERN IRAN
01	22	47	12.2*	26.604	N	127.591	E	49	D		1.2	10	RYUKYU ISLANDS. Felt (I JMA) on Okinawa
01	23	47	56.2	43.335	N	0.744	W	10	G		0.9	26	PYRENEES. ML 3.4 (STR).
02	00	13	44.5	43.295	N	0.747	W	10	G		1.1	8	PYRENEES. ML 2.6 (STR). mbLg 2.3 (MDD).
02	01	04	28.1*	25.025	N	95.156	E	136	*	4.3	0.7	45	MYANMAR-INDIA BORDER REGION
02	01	08	31.8&	33.805	S	70.518	W	98				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC)
02	01	25	29.8*	5.069	S	153.231	E	33	N	4.5	1.0	15	NEW IRELAND REGION, P.N.G.
02	02	48	32.2&	37.230	N	3.750	W	0	G			5	SPAIN. <MDD>. mbLg 1.2 (MDD).
02	04	23	44.5&	34.398	S	69.998	W	11				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.2 (GUC).
02	05	13	13.5	11.675	S	117.886	E	33	N	3.8	1.1	11	SOUTH OF SUMBAWA, INDONESIA
02	05	40	03.9&	32.224	S	71.286	W	38				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
02	06	15	55.6?	33.40	S	109.59	W	10	G	4.7	0.9	13	SOUTHERN EAST PACIFIC RISE
02	06	24	19.5&	32.343	S	71.422	W	47				6	NEAR COAST OF CENTRAL CHILE. <GUC>.
02	07	11	03.5	33.457	S	109.346	W	10	G	5.4 5.1	0.8	47	SOUTHERN EAST PACIFIC RISE. Mw 5.7 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:11:12.2; Lat 33.45 S; Lon 109.31 W; Dep 15.0 Fix; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=4.39, Plg=15, Azm=76; (N) Val=-0.49, Plg=3, Azm=166; (P) Val=-3.91, Plg=75, Azm=268; Best double couple: Mo=4.2*10**17 Nm; NP1: Strike=161, Dip=31, Slip=-96; NP2: Strike=348, Dip=60, Slip=-86.
02	07	14	40.0*	33.507	S	109.209	W	10	G	5.0	1.2	22	SOUTHERN EAST PACIFIC RISE
02	08	49	39.3&	63.342	N	151.430	W	13				49	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).
02	09	10	06.0*	6.256	S	154.488	E	444	*	4.3	0.9	29	SOLOMON ISLANDS
02	09	12	42.2*	25.687	N	100.192	E	33	N	4.6	1.1	18	YUNNAN, CHINA
02	09	42	04.7*	2.086	S	125.093	E	33	N	3.5	1.0	8	CERAM SEA
02	10	10	45.1	25.668	N	100.137	E	33	N	4.8	0.9	32	YUNNAN, CHINA
02	10	54	34.8*	25.686	N	100.223	E	33	N		1.4	8	YUNNAN, CHINA
02	11	21	14.2&	44.539	N	7.470	E	20				5	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
02	12	16	20.2&	44.402	N	7.268	E	14				8	NORTHERN ITALY. <GEN>. ML 2.0 (GEN).
02	12	16	51.5&	44.403	N	7.273	E	15				9	NORTHERN ITALY. <GEN>. ML 2.1 (GEN).
02	12	20	34.4	44.507	N	8.844	E	10	G		0.7	47	NORTHERN ITALY. ML 3.3 (STR), 3.2 (GEN), 3.0 (LDG).
02	12	45	23.6*	5.968	S	131.051	E	33	N	4.2	0.9	10	BANDA SEA
02	13	25	04.2	26.345	N	93.499	E	33	N	5.0	0.7	93	NORTHEASTERN INDIA
02	14	09	39.2*	28.214	S	178.902	W	400	G	4.2	0.9	20	KERMADEC ISLANDS REGION
02	14	36	02.2	43.037	N	17.645	E	10	G		1.2	29	NORTHWESTERN BALKAN REGION. ML 3.7 (PDG), 3.6 (VIE).
02	14	50	29.3&	33.301	S	72.030	W	17				13	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
02	15	25	49.2&	42.938	N	17.538	E	9				8	ADRIATIC SEA. <PDG>. ML 2.9 (PDG).
02	15	26	03.7&	33.289	S	71.986	W	19				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
02	15	28	35.8&	33.310	S	71.998	W	22				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC)
02	15	29	55.0&	38.940	N	21.120	E	6				8	GREECE. <ATH>. MD 3.1 (ATH).
02	16	20	14.9*	33.023	S	179.023	W	33	N	5.1	1.3	35	SOUTH OF KERMADEC ISLANDS
02	16	33	12.9*	19.056	S	177.536	W	600	G	4.4	0.9	26	FIJI ISLANDS REGION
02	17	35	27.1&	34.868	S	71.149	W	97				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC). Felt (III) at Curico and Talca.
02	17	37	43.9	44.114	N	11.767	E	10	G		0.8	21	NORTHERN ITALY. ML 3.1 (LDG), 3.1 (VIE).
02	18	08	25.8&	37.280	N	21.390	E	5				5	SOUTHERN GREECE. <ATH>. ML 3.4 (ATH).
02	18	10	21.0&	37.220	N	21.350	E	5				7	SOUTHERN GREECE. <ATH>. ML 3.4 (ATH).
02	18	23	01.7*	40.916	S	173.781	E	113	*		0.5	10	COOK STRAIT, NEW ZEALAND
02	19	30	07.7	40.604	N	21.653	E	10	G		1.1	7	GREECE. MD 3.0 (ATH).
02	20	15	36.8	35.525	N	140.039	E	57	D	4.3	1.0	24	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in western Chiba, eastern Shizuoka and much of Kanagawa: (I JMA) in eastern Chiba and parts of Gumma, Ibaraki, Saitama and Tochigi Prefectures. Also felt (I JMA) in the Tokyo area.
02	20	32	43.7&	62.756	N	149.015	W	64				52	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).
02	20	42	50.2*	5.881	S	151.330	E	33	N	4.1	0.9	16	NEW BRITAIN REGION, P.N.G.
02	23	41	17.8	9.144	S	67.459	E	10	G	5.0 5.2	1.1	89	MID-INDIAN RIDGE. Mw 5.9 (GS), 5.7 (HRV). Moment Tensor (GS): Dep 19; Principal axes (scale 10**17 Nm): (T) Val=7.34, Plg=4, Azm=269; (N) Val=0.30, Plg=83, Azm=142; (P) Val=-7.64, Plg=6, Azm=359; Best double couple: Mo=7.5*10**17 Nm; NP1: Strike=44, Dip=83, Slip=-1; NP2: Strike=134, Dip=89, Slip=-173. Centroid, Moment Tensor (HRV): Centroid origin time 23:41:25.6; Lat 8.73 S; Lon 67.34 E; Dep 15.0 Fix; Half-duration 1.8 sec; Principal axes (scale 10**17 Nm): (T) Val=4.67, Plg=0, Azm=274; (N) Val=-0.44, Plg=78, Azm=5; (P) Val=-4.22, Plg=12, Azm=184; Best double couple: Mo=4.4*10**17 Nm; NP1: Strike=320, Dip=82, Slip=-172; NP2: Strike=229, Dip=82, Slip=-8.
03	00	17	00.7&	32.207	S	71.877	W	17				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
03	00	17	18.4&	37.940	N	1.750	W	0	G			10	SPAIN. <MDD>. mbLg 1.9 (MDD).
03	02	22	30.8	42.927	N	12.871	E	10	G		0.9	31	CENTRAL ITALY. ML 3.5 (VIE), 3.2 (LDG).
03	02	56	29.5&	46.200	N	7.200	E	2				23	SWITZERLAND. <LDG>. ML 2.5 (LDG), 2.3 (STR).
03	03	10	50.0*	51.127	N	15.773	E	5	G		1.1	9	POLAND. ML 2.9 (VIE), 2.7 (WAR).
03	03	20	38.0&	32.989	S	71.614	W	14				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
03	03	26	02.5?	27.74	N	53.48	E	33	N		0.9	7	SOUTHERN IRAN
03	03	44	21.9&	19.200	N	66.550	W	51				6	PUERTO RICO REGION. <MPR>. MD 3.5 (MPR).
03	03	51	45.7&	32.962	S	71.435	W	48				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
03	04	00	33.9&	19.480	N	68.080	W	29				5	NORTH ATLANTIC OCEAN. <MPR>. MD 3.9 (MPR).
03	04	09	07.4&	30.869	S	71.679	W	32				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
03	04	12	48.5&	58.687	N	136.707	W	5	G			5	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.1 (PGC).
03	04	18	39.3&	46.600	N	5.700	E	2				22	FRANCE. <LDG>. ML 2.6 (LDG), 2.2 (STR).
03	04	55	32.2*	7.331	S	129.650	E	128	?	3.9	0.7	7	BANDA SEA
03	06	09	00.1&	44.500	N	6.900	E	2				21	FRANCE. <LDG>. ML 2.4 (LDG), 2.4 (GEN).
03	07	03	25.5*	7.093	S	147.518	E	10	G	3.7	1.5	8	EASTERN NEW GUINEA REG., P.N.G.
03	07	26	03.3&	39.990	N	20.470	E	5				4	GREECE-ALBANIA BORDER REGION. <ATH>. MD 3.1 (ATH).

03	07	45	12.8&	38.875	N	29.245	E	5					9	TURKEY. <ISK>. MD 3.1 (ISK)
03	08	12	31.3	36.973	N	95.325	E	33	N	4.6		1.0	32	QINGHAI, CHINA
03	08	20	58.5&	31.334	S	69.300	W	168					12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.6 (GUC).
03	08	37	47.3&	36.420	N	26.720	E	120					18	DODECANESE ISLANDS. <ATH>.
03	08	51	34.6&	32.041	S	71.538	W	28					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
03	09	10	56.4&	40.646	N	122.424	W	25					9	NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.4 (BRK)
03	10	06	56.5&	31.688	S	69.660	W	137					9	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.1 (GUC).
03	11	08	35.5&	35.049	S	69.921	W	186					12	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.3 (GUC).
03	12	12	34.3&	40.250	N	25.230	E	10					10	AEGEAN SEA. <ATH>. MD 3.4 (ISK), 3.2 (ATH).
03	13	05	42.2&	18.650	N	64.810	W	66					5	VIRGIN ISLANDS. <MPR>. MD 3.7 (MPR)
03	13	13	33.5*	36.046	N	50.882	E	33	N	4.5		1.2	35	NORTHERN IRAN
03	13	59	36.9&	43.600	N	3.800	E	2					5	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.6 (LDG).
03	14	05	45.3	47.591	N	13.305	E	5	G			1.3	7	AUSTRIA. ML 2.3 (VIE).
03	14	26	27.5&	32.629	S	71.697	W	31					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
03	14	26	58.5*	51.976	N	178.120	W	66	*	3.9		1.2	9	ANDREANOF ISLANDS, ALEUTIAN IS
03	14	46	03.6	47.277	N	8.614	E	10	G			1.0	13	SWITZERLAND. ML 2.2 (FBB). 2.1 (STR)
03	15	17	20.6*	8.868	S	157.638	E	33	N	4.7		1.2	27	SOLOMON ISLANDS
03	15	45	39.9&	57.401	N	154.767	W	31					58	KODIAK ISLAND REGION. <AEIC>. ML 3.3 (AEIC).
03	15	51	15.6&	39.386	N	28.301	E	10					11	TURKEY. <ISK>. MD 3.1 (ISK).
03	16	06	21.7&	39.345	N	28.364	E	7					6	TURKEY. <ISK>. MD 2.9 (ISK).
03	16	08	09.6&	39.445	N	28.262	E	9					5	TURKEY. <ISK>. MD 2.8 (ISK).
03	16	09	17.8	11.952	N	88.249	W	33	N	4.4		1.2	34	OFF COAST OF CENTRAL AMERICA. MD 4.6 (SJR).
03	16	11	48.5&	39.350	N	28.344	E	5					4	TURKEY. <ISK>. MD 2.5 (ISK).
03	16	35	45.4	36.116	N	8.794	E	10	G	4.9		0.9	65	TUNISIA. mbLg 5.1 (MDD).
03	18	18	25.9&	33.161	S	70.297	W	6					7	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
03	19	50	36.9	44.678	N	147.852	E	33	N	4.7		1.2	51	KURIL ISLANDS
03	19	53	53.4&	33.168	S	70.523	W	90					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
03	20	29	28.5&	44.165	N	6.960	E	7					17	FRANCE. <GEN>. ML 2.3 (GEN), 2.0 (LDG).
03	20	33	01.0	45.462	N	25.295	W	10	G	4.8	3.8	1.3	126	NORTHERN MID-ATLANTIC RIDGE
03	20	34	25.1*	30.287	S	178.233	W	33	N	5.1		1.5	47	KERMADEC ISLANDS, NEW ZEALAND
03	20	57	50.3?	39.53	S	174.78	E	200	G			0.4	8	NORTH ISLAND, NEW ZEALAND
03	21	14	48.5?	64.72	S	176.87	E	10	G	4.9		1.5	7	BALLENY ISLANDS REGION
03	21	28	30.4&	39.380	N	24.330	E	30					16	AEGEAN SEA. <ATH>. ML 3.5 (ATH).
03	21	51	13.0	50.728	N	174.878	E	33	N	4.5	4.6	1.1	41	SOUTH OF ALEUTIAN ISLANDS. ML 4.4 (PMR).
03	21	58	55.5	2.062	S	124.620	E	33	N	4.8		1.0	38	CERAM SEA
03	22	07	00.5&	46.054	N	14.787	E	10	G			0.3	6	NORTHWESTERN BALKAN REGION. ML 1.3 (LJU)
03	22	53	56.7*	51.596	N	16.037	E	5	G			0.3	6	POLAND
04	00	35	32.9&	33.723	S	70.383	W	108					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
04	00	57	35.0&	39.320	N	119.980	W	11					18	NEVADA. <REN-P>. MD 3.4 (REN). ML 3.6 (BRK), 3.5 (GS). Felt in the Lake Tahoe area and as far as Reno.
04	01	13	11.2*	1.990	S	124.485	E	33	N	4.1		1.3	14	SOUTHERN MOLUCCA SEA
04	01	31	42.9&	46.700	N	1.200	W	2					11	FRANCE. <LDG>. ML 2.3 (LDG).
04	01	48	00.4&	18.650	N	65.090	W	33	N				6	PUERTO RICO REGION. <MPR>. MD 3.7 (MPR).
04	01	54	43.8&	42.600	N	1.300	E	2					6	PYRENEES. <LDG>. ML 2.2 (LDG).
04	02	02	40.1&	35.660	N	3.720	W	0	G				8	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.7 (MDD).
04	02	21	36.2&	31.982	S	70.118	W	117					10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
04	03	08	38.8&	39.380	N	24.340	E	34					12	AEGEAN SEA. <ATH>. MD 3.4 (ATH).
04	03	39	54.8	6.803	N	72.984	W	170	D	4.5		1.1	67	NORTHERN COLOMBIA
04	04	06	00.3	51.666	N	16.119	E	5	G	4.6		1.0	45	POLAND. ML 4.4 (GRF), 4.1 (FUR), 4.0 (WAR), 4.0 (VIE).
04	04	08	02.0?	5.65	S	151.24	E	33	N	4.6		0.5	10	NEW BRITAIN REGION, P.N.G.
04	04	42	45.6*	26.602	N	92.380	E	46	D			1.1	10	NORTHEASTERN INDIA
04	04	45	35.6?	42.15	S	174.16	E	10	G			0.3	8	OFF E. COAST OF S. ISLAND, N.Z. ML 3.0 (WEL).
04	04	59	27.0&	36.977	N	35.590	E	14		4.0			39	TURKEY. <ISK>. MD 4.3 (ISK). Felt at Ceyhan.
04	05	10	03.7&	33.854	S	72.061	W	32					5	OFF COAST OF CENTRAL CHILE. <GUC>.
04	06	36	10.9&	29.680	S	72.680	W	49					12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
04	07	04	48.3?	26.70	S	176.65	W	33	N	4.6		1.5	14	SOUTH OF FIJI ISLANDS
04	07	04	54.9?	0.90	N	126.19	E	33	N	4.0		1.3	8	NORTHERN MOLUCCA SEA
04	07	39	41.0*	34.946	N	141.114	E	33	N	4.8		1.0	18	OFF EAST COAST OF HONSHU, JAPAN
04	07	41	21.3*	35.021	N	141.361	E	33	N			1.2	12	NEAR EAST COAST OF HONSHU, JAPAN
04	09	08	29.0	46.255	N	13.809	E	5	G			0.9	16	AUSTRIA. ML 2.9 (VIE), 2.6 (LJU). Felt (IV) at Kobarid, Slovenia.
04	10	24	53.7?	20.13	S	169.19	E	33	N	4.9		1.2	15	VANUATU ISLANDS
04	10	48	19.3	10.694	N	86.550	W	33	N	4.2		1.2	36	OFF COAST OF COSTA RICA
04	11	00	17.6	20.090	N	120.903	E	10	G	5.5	5.2	1.0	150	PHILIPPINE ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:00:19.9; Lat 20.41 N; Lon 120.54 E; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=1.71, Plg=60, Azm=39; (N) Val=-0.76, Plg=29, Azm=233; (P) Val=-0.94, Plg=6, Azm=140; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=201, Dip=47, Slip=48; NP2: Strike=74, Dip=58, Slip=125.
04	11	49	38.8&	32.386	S	71.372	W	43					5	NEAR COAST OF CENTRAL CHILE. <GUC>.
04	12	00	55.6&	39.628	N	29.380	E	10	G				4	TURKEY. <ISK>. MD 2.7 (ISK).
04	12	16	07.7&	37.920	N	122.287	W	7					20	CENTRAL CALIFORNIA. <GM-P>. Mw 3.9 (BRK). ML 4.2 (GM), 4.2 (BRK). Felt strongly at El Cerrito. Felt in the northern San Francisco Bay area including Berkeley, Oakland and Richmond. Moment Tensor (BRK): Dep 11; Principal axes (scale 10**14 Nm): (T) Val=9.26, Plg=19, Azm=97; (N) Val=0.00, Plg=68, Azm=245; (P) Val=-9.26, Plg=11, Azm=3; Best double couple: Mo=9.3*10**14 Nm; NP1: Strike=231, Dip=84, Slip=21; NP2: Strike=139, Dip=69, Slip=174.
04	13	50	27.4&	32.947	S	70.875	W	85					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
04	14	18	00.4&	46.200	N	7.700	E	2					12	SWITZERLAND. <LDG>. ML 2.4 (STR), 2.2 (LDG).
04	14	40	09.3?	6.07	S	154.10	E	33	N			1.2	5	SOLOMON ISLANDS
04	14	45	49.3*	51.145	N	15.872	E	5	G			1.4	9	POLAND. ML 3.1 (VIE), 2.8 (WAR).
04	15	07	17.1&	8.140	S	115.200	E	15					4	BALI REGION, INDONESIA. <DJA>.
04	15	12	37.7?	7.09	S	129.10	E	139	?	4.3		0.9	9	BANDA SEA
04	15	26	37.7&	44.684	N	7.325	E	9					23	NORTHERN ITALY. <GEN>. ML 2.4 (GEN), 2.3 (LDG).
04	16	15	15.1*	36.071	N	140.024	E	33	N			1.2	11	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in southeastern Gumma, western Ibaraki, southeastern Saitama and southern Tochigi; (I JMA) in northern Chiba Prefectures. Also felt (I JMA) in the Tokyo area.

04	16	29	09.4&	18.490	N	65.730	W	16				6	PUERTO RICO REGION. <MPR>. MD 3.2 (MPR).
04	16	38	28.7*	33.538	N	135.085	E	43	D		0.6	8	NEAR S. COAST OF WESTERN HONSHU. Felt (II JMA) in southern Mie, southern and western Wakayama; (I JMA) in northern Wakayama Prefectures. Also felt (I JMA) in eastern Tokushima Prefecture, Shikoku.
04	16	47	04.7	35.655	N	29.297	E	10	G	4.4	1.4	55	EASTERN MEDITERRANEAN SEA. MD 4.1 (ISK).
04	17	09	19.1*	35.623	N	29.265	E	10	G	3.9	1.4	16	EASTERN MEDITERRANEAN SEA. MD 3.6 (ISK).
04	17	23	46.6*	16.245	N	97.711	W	33	N	4.7 4.2	1.1	41	OAXACA, MEXICO
04	18	11	25.5&	32.812	S	70.192	W	104				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
04	18	29	51.9*	55.611	S	28.274	W	33	N	5.1	1.3	23	SOUTH SANDWICH ISLANDS REGION
04	18	39	59.5&	35.743	N	29.485	E	33	N	4.0		11	EASTERN MEDITERRANEAN SEA. <ISK>. MD 3.5 (ISK).
04	18	50	07.9	43.620	N	26.760	W	10	G	4.8 4.6	0.8	134	NORTHERN MID-ATLANTIC RIDGE
04	18	56	02.1&	44.509	N	7.262	E	10				7	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
04	20	08	52.4&	33.588	S	70.660	W	87				12	CHILE-ARGENTINA BORDER REGION <GUC>. MD 3.0 (GUC)
04	21	49	24.8	52.096	N	169.392	W	33	N	5.1 4.7	1.1	120	FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.2 (HRV). ML 5.0 (PMR) Centroid, Moment Tensor (HRV): Centroid origin time 21:49:27.6; Lat 52.10 N; Lon 169.50 W; Dep 17.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.93, Plg=65, Azm=307; (N) Val=1.65, Plg=3, Azm=44; (P) Val=-7.58, Plg=25, Azm=135; Best double couple: Mo=6.8*10**16 Nm; NP1: Strike=232, Dip=20, Slip=99; NP2: Strike=43, Dip=70, Slip=87.
04	22	14	41.3	46.369	N	8.181	E	5	G		0.7	17	SWITZERLAND. ML 2.8 (STR), 2.4 (LDG), 2.3 (FBB).
04	22	18	48.3&	46.400	N	8.200	E	2				6	SWITZERLAND. <LDG>. ML 1.8 (LDG).
04	22	28	10.1?	53.28	N	3.78	E	10	G		0.8	20	NORTH SEA. ML 3.2 (LDG).
05	00	44	38.1&	44.000	N	7.200	E	2				8	NORTHERN ITALY. <LDG>. ML 2.2 (LDG).
05	00	49	45.8&	32.067	S	71.726	W	46				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
05	01	12	47.6	52.121	N	169.412	W	33	N	5.4 5.5	1.1	272	FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.8 (HRV). 5.7 (GS). Me 5.3 (GS). ML 5.4 (PMR). Broadband Source Parameters (GS): Dep 29; NP1: Strike=55, Dip=45, Slip=90; NP2: Strike=235, Dip=45, Slip=90; Radiated energy 1.7*10**12 Nm. Moment Tensor (GS): Dep 22; Principal axes (scale 10**17 Nm): (T) Val=4.28, Plg=57, Azm=336; (N) Val=-0.71, Plg=4, Azm=240; (P) Val=-3.57, Plg=33, Azm=147; Best double couple: Mo=3.9*10**17 Nm; NP1: Strike=221, Dip=13, Slip=71; NP2: Strike=60, Dip=78, Slip=94. Centroid, Moment Tensor (HRV): Centroid origin time 01:12:49.8; Lat 52.05 N; Lon 169.37 W; Dep 15.0 Bdy; Half-duration 1.7 sec; Principal axes (scale 10**17 Nm): (T) Val=5.58, Plg=65, Azm=344; (N) Val=0.29, Plg=5, Azm=242; (P) Val=-5.87, Plg=24, Azm=150; Best double couple: Mo=5.7*10**17 Nm; NP1: Strike=228, Dip=21, Slip=75; NP2: Strike=64, Dip=70, Slip=96.
05	01	20	57.0	9.244	S	121.964	E	50	*	4.7	1.4	39	SAVU SEA
05	01	27	09.5*	10.727	N	125.797	E	100	G		0.5	10	LEYTE, PHILIPPINE ISLANDS
05	01	50	51.0&	44.427	N	7.287	E	7				5	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
05	03	23	10.8&	35.179	S	71.306	W	94				12	CENTRAL CHILE. <GUC>. MD 2.9 (GUC).
05	04	22	08.8&	42.900	N	0.100	E	2				7	PYRENEES. <LDG>. ML 2.6 (STR), 2.0 (LDG).
05	04	27	02.8&	46.000	N	2.900	E	2				5	FRANCE. <LDG>. ML 1.5 (LDG).
05	04	45	15.5	4.328	S	125.915	E	416		4.9	0.9	66	BANDA SEA
05	04	52	45.4	26.403	S	27.521	E	10	G	4.9	1.0	25	REPUBLIC OF SOUTH AFRICA
05	05	16	50.4	68.794	N	16.896	W	10	G	4.6 3.9	1.3	39	ICELAND REGION
05	05	51	03.8&	36.952	N	30.705	E	10	G			4	TURKEY. <ISK>. MD 3.0 (ISK).
05	05	52	35.0	20.207	S	176.114	W	201	D	4.6	0.7	33	FIJI ISLANDS REGION
05	06	17	36.1&	54.472	N	162.047	W	30				15	ALASKA PENINSULA. <AEIC>. ML 2.6 (AEIC).
05	07	19	27.0	59.677	S	26.840	W	33	N	5.2 5.3	0.9	60	SOUTH SANDWICH ISLANDS REGION. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:19:37.8; Lat 60.16 S; Lon 26.44 W; Dep 65.8; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.63, Plg=42, Azm=320; (N) Val=-0.51, Plg=22, Azm=209; (P) Val=-1.12, Plg=39, Azm=99; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=123, Dip=22, Slip=4; NP2: Strike=29, Dip=89, Slip=112.
05	07	38	05.6&	36.560	N	4.460	W	86				9	STRAIT OF GIBRALTAR. <MDD>.
[illegible]				10.985	N	86.163	W	96	*	4.9	0.9	88	OFF COAST OF COSTA RICA. MD 5.1 (SJR), 5.1 (UPA).
[illegible]			11.6&	33.776	S	70.758	W	75				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
05	[illegible]	[illegible]	06.6&	46.600	N	1.500	E	2				6	FRANCE. <LDG>. ML 1.8 (LDG).
05	09	35	30.5&	45.099	N	6.502	E	7				18	FRANCE. <GEN>. ML 2.2 (GEN), 2.1 (LDG).
05	09	36	08.4	41.908	N	144.129	E	33	N	4.9	1.0	40	HOKKAIDO, JAPAN REGION
05	10	03	16.7&	54.097	N	164.088	W	24				18	UNIMAK ISLAND REGION. <AEIC>. ML 3.1 (AEIC).
05	10	14	13.9&	44.177	N	6.985	E	12				9	FRANCE. <GEN>. ML 2.2 (GEN).
05	10	43	10.2&	33.931	S	72.516	W	36				10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
05	10	53	30.7	50.515	N	177.400	W	33	N	4.7 4.1	0.9	93	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
05	11	25	18.0&	54.001	N	170.350	W	0				6	FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.8 (AEIC).
05	11	40	36.6*	1.926	S	124.652	E	33	N		1.5	11	SOUTHERN MOLUCCA SEA
05	12	56	01.6*	11.451	N	86.112	W	100	G	4.3	1.1	26	NEAR COAST OF NICARAGUA
05	13	14	46.3*	37.634	S	176.789	E	150	G		0.9	13	NORTH ISLAND, NEW ZEALAND
05	13	19	19.1*	11.841	N	86.456	W	200	G	4.1	1.2	24	NEAR COAST OF NICARAGUA
05	13	27	32.2&	32.578	S	71.703	W	29				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
05	13	48	21.4	1.809	S	124.487	E	33	N	4.4	1.2	21	SOUTHERN MOLUCCA SEA
05	13	54	27.6*	1.898	S	124.539	E	33	N		1.2	9	SOUTHERN MOLUCCA SEA
05	14	08	46.5*	68.908	N	16.661	W	10	G	4.3	1.4	23	ICELAND REGION
05	15	23	12.9&	34.864	S	71.157	W	95				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.1 (GUC).
05	15	30	57.5&	34.800	S	71.717	W	39				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
05	15	53	48.7*	5.743	S	151.164	E	33	N	4.4	0.8	13	NEW BRITAIN REGION, P.N.G.
05	16	53	29.8&	39.450	N	20.840	E	12				31	GREECE-ALBANIA BORDER REGION. <ATH>. ML 3.8 (ATH).
05	18	38	33.8&	10.854	N	62.211	W	74				5	NEAR COAST OF VENEZUELA. <TRN>. MD 2.9 (TRN).
05	18	46	02.8*	50.683	S	139.318	E	10	G	4.6 4.6	1.2	29	SOUTH OF AUSTRALIA
05	19	05	11.8*	6.823	S	129.512	E	100	G	3.4	1.3	9	BANDA SEA
05	20	41	36.8&	32.489	S	71.411	W	59				12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.7 (GUC).
05	20	57	11.8&	43.000	N	0.100	E	2				27	FRANCE. <LDG>. ML 2.8 (LDG). mbLg 2.4 (MDD). Felt (I) in the Bigorre region.

05	21	16	06.2*	57.942	S	25.164	W	33	N		0.5	12	SOUTH SANDWICH ISLANDS REGION
05	21	17	21.3&	36.210	N	23.610	E	30				13	SOUTHERN GREECE. <ATH>. MD 3.5 (ATH).
05	21	59	05.9	41.559	N	79.163	E	33	N	4.8	0.8	46	KYRGYZSTAN-XINJIANG BORDER REG.
05	22	53	11.8*	17.421	S	178.620	W	500	G	4.5	0.9	22	FIJI ISLANDS REGION
06	00	33	53.9*	5.182	S	152.042	E	33	N	4.4	1.3	17	NEW BRITAIN REGION, P.N.G.
06	00	47	13.4	1.253	N	126.198	E	33	N	6.3 6.2	1.1	284	NORTHERN MOLUCCA SEA. Mw 6.6 (HRV), 6.5 (GS). Me 6.6 (GS). Ms 6.1 (BRK). Felt (V) at Bitung and Tondano; (IV) at Manado; (III) at Galela and on Ternate, Indonesia. Broadband Source Parameters (GS): Dep 31; NP1: Strike=25, Dip=60, Slip=60; NP2: Strike=254, Dip=41, Slip=131; Radiated energy 2.1*10**14 Nm Two events about 2.5 seconds apart. Depth based on first event Moment Tensor (GS): Dep 36; Principal axes (scale 10**18 Nm): (T) Val=6.40, Plg=74, Azm=226; (N) Val=0.89, Plg=14, Azm=13; (P) Val=-7.28, Plg=9, Azm=105; Best double couple: Mo=6.8*10**18 Nm; NP1: Strike=211, Dip=88, Slip=172, NP2: Strike=3, Dip=55, Slip=73. Centroid, Moment Tensor (HRV): Centroid origin time 00:47:21.0; Lat 1.50 N; Lon 126.54 E; Dep 34.0 Bdy; Half-duration 4.7 sec; Principal axes (scale 10**18 Nm): (T) Val=8.61, Plg=78, Azm=343; (N) Val=-0.13, Plg=8, Azm=211; (P) Val=-8.48, Plg=9, Azm=120; Best double couple: Mo=8.5*10**18 Nm; NP1: Strike=201, Dip=37, Slip=77; NP2: Strike=37, Dip=54, Slip=100. Scalar Moment (PPT): Mo=1.2*10**19 Nm.
06	01	15	01.1&	63.076	N	150.914	W	121				40	CENTRAL ALASKA. <AEIC>.
06	01	25	52.3?	21.99	S	177.99	W	400	G	4.0	1.5	15	FIJI ISLANDS REGION
06	01	45	47.8&	34.465	S	70.411	W	4				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
06	02	07	13.1*	4.727	N	127.567	E	100	G		0.8	9	TALAUD ISLANDS, INDONESIA
06	02	11	10.8&	37.750	N	4.620	W	5				9	SPAIN. <MDD>. mbLg 1.7 (MDD).
06	03	05	54.2&	37.210	N	3.540	W	0				6	SPAIN. <MDD>. mbLg 1.6 (MDD).
06	03	07	32.0	1.376	N	126.578	E	33	N	4.9	1.1	19	NORTHERN MOLUCCA SEA
06	05	07	00.4&	31.752	S	71.619	W	31				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
06	05	13	53.4?	41.18	S	172.97	E	200	G		0.3	9	SOUTH ISLAND, NEW ZEALAND
06	05	23	19.1*	53.855	N	160.438	E	33	N	4.3	1.1	16	NEAR EAST COAST OF KAMCHATKA
06	05	53	08.5*	5.444	S	135.397	E	33	N	4.4	1.4	13	IRIAN JAYA REGION, INDONESIA
06	06	21	41.0*	10.039	S	161.347	E	33	N	4.2	0.9	10	SOLOMON ISLANDS
06	06	52	15.9	1.303	N	126.307	E	53	*	4.7	1.1	45	NORTHERN MOLUCCA SEA
06	06	55	59.4*	1.326	N	126.175	E	33	N	4.7	1.1	21	NORTHERN MOLUCCA SEA
06	07	10	33.5*	51.450	N	16.229	E	5	G		0.7	7	POLAND. ML 3.1 (VIE), 2.6 (WAR).
06	07	22	03.9	3.071	S	130.493	E	33	N	4.7 4.4	1.2	39	SERAM, INDONESIA
06	07	30	22.5&	38.690	N	27.340	E	5				13	TURKEY. <ATH>. MD 3.7 (ATH), 3.4 (ISK).
06	08	00	39.8*	1.648	S	124.510	E	33	N		1.4	16	SOUTHERN MOLUCCA SEA
06	10	17	43.7&	34.360	S	70.173	W	15				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
06	10	18	11.4&	32.616	S	71.455	W	24				8	NEAR COAST OF CENTRAL CHILE. <GUC>.
06	10	19	07.6*	6.820	S	130.402	E	100	G		0.8	13	BANDA SEA
06	10	57	22.5	34.280	S	72.316	W	33	N	4.7	1.0	42	NEAR COAST OF CENTRAL CHILE. MD 4.8 (GUC) Felt (IV) at Pichilemu and (III) at Talca.
06	11	46	03.2*	29.772	S	68.601	W	100	G		1.1	25	SAN JUAN PROVINCE, ARGENTINA
06	11	57	29.3	41.457	N	79.154	E	33	N	4.4	0.8	31	KYRGYZSTAN-XINJIANG BORDER REG.
06	12	36	49.7*	47.154	N	152.328	E	100	G	4.3	1.1	21	KURIL ISLANDS
06	12	58	37.5&	44.792	N	6.734	E	7				23	FRANCE. <GEN>. ML 2.3 (GEN), 2.0 (LDG).
06	14	14	48.3&	36.762	N	121.466	W	7				10	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK).
06	14	23	16.9&	35.577	S	71.555	W	116				12	CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
06	14	35	04.0	47.184	N	17.802	E	10	G		0.5	6	HUNGARY. ML 2.8 (VIE).
06	15	07	00.7	27.380	N	142.875	E	33	N	4.3	1.1	17	BONIN ISLANDS REGION
06	16	09	56.0&	49.160	N	6.910	E	1	G			6	GERMANY. <FBB>. ML 2.0 (UCC), 1.9 (FBB). Mining induced event in the Lorraine region, France.
06	16	37	30.9?	9.92	N	126.06	E	138	?		0.9	9	MINDANAO, PHILIPPINE ISLANDS
06	16	49	42.0&	37.120	N	23.390	E	5				4	SOUTHERN GREECE. <ATH>. ML 2.9 (ATH).
06	16	53	48.5*	6.878	S	127.236	E	425	?	4.5	0.9	15	BANDA SEA
06	17	04	44.1*	49.180	N	153.865	E	100	G	4.3	1.0	12	KURIL ISLANDS
06	17	16	48.8*	10.567	N	62.871	W	100	G		0.8	11	NEAR COAST OF VENEZUELA. MD 3.6 (TRN).
06	17	22	11.6	23.771	S	68.029	W	65	*	4.6	0.9	62	NORTHERN CHILE
06	17	41	59.2&	34.245	S	72.378	W	30				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC)
06	18	30	14.7&	56.907	N	154.542	W	27		3.5		82	KODIAK ISLAND REGION. <AEIC>. ML 3.9 (AEIC).
06	18	51	43.5*	28.177	S	27.130	E	5	G		0.9	7	REPUBLIC OF SOUTH AFRICA
06	20	31	20.0&	32.978	S	72.091	W	15				13	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
06	22	40	58.5*	49.421	N	93.885	E	33	N	4.5	1.2	12	MONGOLIA
06	22	59	48.0&	48.850	N	9.600	E	13				7	GERMANY. <FBB>. ML 2.0 (FBB).
06	23	31	00.9	21.059	S	179.133	W	600	G	4.9	0.9	117	FIJI ISLANDS REGION
06	23	32	07.5	46.272	N	15.127	E	10	G		0.7	9	NORTHWESTERN BALKAN REGION. ML 1.8 (VIE), 1.6 (LJU). Felt (IV) at Prebold, Slovenia.
06	23	40	59.5&	37.770	N	27.400	E	5				6	TURKEY. <ATH>. MD 3.6 (ATH).
06	23	46	14.1&	38.340	N	21.750	E	5				12	GREECE. <ATH>. MD 3.3 (ATH).
07	00	23	27.9&	48.600	N	1.700	W	2				23	FRANCE. <LDG>. ML 3.4 (LDG).
07	00	59	58.8&	35.660	N	22.410	E	22				5	CENTRAL MEDITERRANEAN SEA. <ATH>. MD 3.3 (ATH).
07	01	02	29.8&	61.217	N	146.832	W	15				48	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
07	01	10	03.7*	17.616	S	178.801	W	600	G	4.1	0.6	20	FIJI ISLANDS REGION
07	01	47	55.0*	52.246	N	169.441	W	33	N	4.5	0.8	29	FOX ISLANDS, ALEUTIAN ISLANDS
07	02	23	58.4	4.596	S	149.482	E	580		4.6	0.9	42	BISMARCK SEA
07	02	42	22.5&	37.840	N	22.770	E	5				6	SOUTHERN GREECE. <ATH>. MD 2.8 (ATH).
07	03	08	49.5&	36.780	N	2.940	W	0				11	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD)
07	04	39	05.6?	3.80	S	152.48	E	33	N	4.5	1.5	11	NEW IRELAND REGION, P.N.G.
07	04	45	04.2&	43.959	N	7.622	E	9				13	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.1 (GEN), 2.0 (LDG).
07	05	19	50.1*	9.069	S	108.530	W	10	G	5.0 4.5	0.9	33	CENTRAL EAST PACIFIC RISE
07	05	52	12.6&	37.140	N	21.010	E	5				6	SOUTHERN GREECE. <ATH>. MD 3.3 (ATH).
07	06	35	14.4&	40.377	N	27.529	E	10	G			4	TURKEY. <ISK>. MD 2.6 (ISK).
07	08	17	47.4	7.101	S	120.172	E	594		4.7	0.7	36	FLORES SEA
07	09	01	18.0	29.289	N	130.332	E	42		5.1 5.3	0.9	123	RYUKYU ISLANDS. Mw 5.2 (HRV). Felt (III JMA) on Nakano-shima; (I JMA) on Amami O-shima and Kikai-shima. Centroid, Moment Tensor (HRV): Centroid origin time 09:01:18.7; Lat 29.10 N; Lon 130.77 E; Dep 42.4; Half-

duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.72, Plg=60, Azm=1; (N) Val=1.68, Plg=21, Azm=230; (P) Val=-8.40, Plg=20, Azm=132; Best double couple: Mo=7.6*10**16 Nm; NP1: Strike=190, Dip=31, Slip=46; NP2: Strike=59, Dip=69, Slip=112.

07 09 15 26.7* 15.709 S 174.247 W 33 N 4.7 1.2 27 TONGA ISLANDS
07 09 42 55.7* 3.260 S 139.828 E 44 * 4.4 1.5 18 IRIAN JAYA, INDONESIA
07 09 55 26.2? 17.74 S 178.13 W 600 G 4.7 0.9 18 FIJI ISLANDS REGION
07 10 05 31.4* 11.811 N 143.703 E 33 N 4.5 1.3 14 SOUTH OF MARIANA ISLANDS
07 10 17 54.9 0.518 N 120.584 E 33 N 4.9 4.2 1.0 44 MINAHASSA PENINSULA, SULAWESI
07 11 12 25.2& 38.550 N 20.080 E 5 6 GREECE. <ATH>. MD 3.2 (ATH).
07 11 12 41.8* 20.782 S 178.694 W 600 G 4.8 0.8 16 FIJI ISLANDS REGION
07 12 37 05.4* 67.850 N 156.122 W 10 G 1.5 8 NORTHERN ALASKA
07 12 38 27.0* 33.692 N 141.712 E 33 N 4.1 1.3 11 OFF EAST COAST OF HONSHU, JAPAN
07 13 19 58.9& 40.719 N 29.906 E 7 4 TURKEY. <ISK>. MD 2.8 (ISK).
07 13 46 27.4& 46.100 N 7.500 E 2 82 SWITZERLAND. <LDG>. ML 3.5 (STR), 3.4 (LDG), 3.1 (GEN)
07 14 25 12.8& 44.256 N 7.317 E 15 4 NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
07 14 29 36.9& 31.530 S 70.437 W 135 9 CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
07 15 14 47.2& 46.100 N 7.500 E 2 46 SWITZERLAND. <LDG>. ML 2.8 (STR), 2.7 (GEN), 2.6 (LDG)
07 15 53 29.5 5.157 S 102.957 E 49 D 5.2 4.6 1.1 92 SOUTHERN SUMATERA, INDONESIA. Mw 5.2 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 15:53:33.9; Lat 5.49 S; Lon 102.81 E; Dep 32.0 Bdy; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.19, Plg=62, Azm=6; (N) Val=0.17, Plg=7, Azm=109; (P) Val=-7.37, Plg=27, Azm=203; Best double couple: Mo=7.3*10**16 Nm; NP1: Strike=312, Dip=19, Slip=113; NP2: Strike=107, Dip=73, Slip=82.

07 16 15 54.6& 37.639 N 118.933 W 7 15 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.4 (BRK). MD 3.5 (GM). ML 3.6 (BRK).
Moment Tensor (BRK): Dep 11; Principal axes (scale 10**14 Nm): (T) Val=1.53, Plg=10, Azm=196; (N) Val=0.00, Plg=61, Azm=304; (P) Val=-1.53, Plg=27, Azm=101; Best double couple: Mo=1.5*10**14 Nm; NP1: Strike=146, Dip=78, Slip=-27; NP2: Strike=242, Dip=64, Slip=-167.

07 16 33 19.0& 46.190 N 7.380 E 10 G 19 SWITZERLAND. <STR>. ML 2.1 (STR), 2.1 (LDG).
07 17 17 45.3 52.919 N 101.468 E 33 N 4.1 1.0 9 SOUTHWESTERN SIBERIA, RUSSIA. Felt (III) at Irkutsk.
07 18 58 47.5& 44.100 N 7.000 E 2 8 NORTHERN ITALY. <LDG>. ML 1.8 (LDG).
07 19 47 51.7 7.787 S 74.534 W 154 D 4.6 0.7 55 PERU-BRAZIL BORDER REGION
07 19 52 26.3 0.561 N 120.659 E 33 N 4.7 1.0 21 MINAHASSA PENINSULA, SULAWESI
07 20 04 16.5* 14.995 S 173.879 W 33 N 4.5 0.8 18 SAMOA ISLANDS REGION
07 21 25 04.3& 48.400 N 2.200 W 2 6 FRANCE. <LDG>. ML 1.9 (LDG).
07 22 20 27.3* 1.917 S 124.601 E 33 N 3.4 1.2 9 SOUTHERN MOLUCCA SEA
07 22 38 03.9& 38.320 N 24.990 E 20 6 AEGEAN SEA. <ATH>. MD 3.3 (ATH).
07 22 45 39.8& 11.225 N 61.446 W 30 8 WINDWARD ISLANDS. <TRN>. MD 3.1 (TRN).
07 23 37 06.6 8.344 S 121.450 E 33 N 5.5 5.4 1.1 88 FLORES REGION, INDONESIA. Mw 5.8 (GS), 5.8 (HRV). Felt (IV) at Maumere and Ruteng; (III) at Labuhanbajo.
Moment Tensor (GS): Dep 14; Principal axes (scale 10**17 Nm): (T) Val=5.19, Plg=50, Azm=134; (N) Val=-0.05, Plg=23, Azm=253; (P) Val=-5.14, Plg=31, Azm=358; Best double couple: Mo=5.2*10**17 Nm; NP1: Strike=136, Dip=25, Slip=155; NP2: Strike=249, Dip=80, Slip=67.
Centroid, Moment Tensor (HRV): Centroid origin time 23:37:13.1; Lat 8.28 S Fix; Lon 121.80 E Fix; Dep 22.0 Bdy; Half-duration 1.9 sec; Principal axes (scale 10**17 Nm): (T) Val=5.26, Plg=69, Azm=136; (N) Val=0.34, Plg=14, Azm=266; (P) Val=-5.59, Plg=16, Azm=359; Best double couple: Mo=5.4*10**17 Nm; NP1: Strike=109, Dip=32, Slip=117; NP2: Strike=258, Dip=62, Slip=74.

07 23 46 06.9* 21.731 N 146.866 E 33 N 4.6 1.1 18 MARIANA ISLANDS REGION
08 00 01 34.3* 6.289 S 129.964 E 100 G 4.5 0.7 10 BANDA SEA
08 00 05 59.5? 1.92 N 123.10 E 400 G 1.5 11 MINAHASSA PENINSULA, SULAWESI
08 00 21 09.8& 56.499 N 156.987 W 77 7 ALASKA PENINSULA. <AEIC>.
08 02 32 57.8 18.819 N 64.046 W 30 D 5.6 4.8 0.9 345 VIRGIN ISLANDS. Mw 5.4 (GS), 5.4 (HRV). MD 5.2 (TRN), 5.1 (MPR). Felt (V) throughout Puerto Rico and the Virgin Islands.
Moment Tensor (GS): Dep 18; Principal axes (scale 10**17 Nm): (T) Val=1.40, Plg=16, Azm=168; (N) Val=0.02, Plg=22, Azm=265; (P) Val=-1.42, Plg=62, Azm=44; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=229, Dip=35, Slip=-131; NP2: Strike=96, Dip=65, Slip=-65.
Centroid, Moment Tensor (HRV): Centroid origin time 02:32:58.7; Lat 18.98 N; Lon 64.27 W; Dep 15.0 Fix; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.19, Plg=1, Azm=150; (N) Val=0.37, Plg=27, Azm=240; (P) Val=-1.56, Plg=63, Azm=57; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=215, Dip=50, Slip=-126; NP2: Strike=83, Dip=52, Slip=-55.

08 02 41 47.7* 37.050 N 10.852 W 10 G 0.7 26 NORTH ATLANTIC OCEAN. mbLg 4.3 (MDD).
08 02 55 07.2 1.685 S 99.956 E 33 N 4.8 0.8 25 SOUTHERN SUMATERA, INDONESIA. Felt (III) at Padang and (II) at Padangpanjang.
08 04 09 57.1& 43.900 N 7.700 E 2 4 NEAR SOUTH COAST OF FRANCE. <LDG>. ML 1.8 (LDG).
08 04 47 18.8& 61.040 N 151.141 W 54 9 SOUTHERN ALASKA. <AEIC>. ML 2.4 (AEIC), 2.7 (PMR).
08 04 59 52.0 11.417 N 85.639 W 194 4.4 0.9 66 NICARAGUA
08 05 46 36.2 34.147 S 179.779 E 33 N 4.9 0.9 27 SOUTH OF KERMADEC ISLANDS. Mw 5.2 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 05:46:47.9; Lat 34.27 S; Lon 179.70 E; Dep 119.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.20, Plg=47, Azm=111; (N) Val=0.95, Plg=5, Azm=15; (P) Val=-7.15, Plg=42, Azm=280; Best double couple: Mo=6.7*10**16 Nm; NP1: Strike=311, Dip=6, Slip=26; NP2: Strike=195, Dip=88, Slip=95.

08 07 02 31.5& 17.554 N 61.807 W 72 4 LEEWARD ISLANDS. <TRN>. MD 3.3 (TRN).
08 08 09 21.1? 24.57 S 179.50 E 600 G 4.3 1.1 14 SOUTH OF FIJI ISLANDS

08	09	10	11.5	49.731	N	155.983	E	33	N	4.7	0.7	57	KURIL ISLANDS. Felt (III) at Severo-Kurilsk.
08	09	39	56.3*	51.544	N	16.168	E	5	G		0.5	6	POLAND. ML 3.4 (VIE), 2.8 (WAR).
08	10	09	34.3&	44.275	N	7.356	E	14				6	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
08	10	10	30.2&	32.167	S	71.770	W	20				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
08	10	42	08.5&	31.958	S	69.927	W	138				10	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.7 (GUC).
08	10	44	21.8&	32.440	S	70.190	W	109				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
08	10	59	09.1*	10.066	S	109.708	E	33	N	4.5	1.1	19	SOUTH OF JAWA, INDONESIA
08	11	21	37.1&	32.884	S	70.668	W	85				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
08	11	38	24.9&	44.118	N	7.124	E	6				6	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
08	13	05	11.7&	31.349	S	68.823	W	183				12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.8 (GUC).
08	13	53	32.8&	34.572	S	72.432	W	17				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
08	13	58	17.3*	36.578	N	71.318	E	213	*	4.2	0.9	10	AFGHANISTAN-TAJIKISTAN BORD REG.
08	14	34	46.0&	38.900	N	20.510	E	31				9	GREECE. <ATH>. MD 3.1 (ATH).
08	14	50	37.1?	21.21	S	174.13	W	33	N	4.6	1.0	12	TONGA ISLANDS
08	15	16	17.3&	43.953	N	7.620	E	10				7	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.0 (GEN).
08	16	07	50.1&	31.349	S	69.769	W	179				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.4 (GUC).
08	16	08	22.5*	27.330	N	102.689	E	33	N	4.0	1.0	13	SICHUAN, CHINA
08	17	13	46.5*	14.490	N	55.687	E	10	G		0.9	10	ARABIAN SEA
08	17	40	40.9*	14.868	N	55.745	E	10	G	4.6	0.9	10	ARABIAN SEA
08	18	02	28.7&	58.974	N	154.351	W	120				9	ALASKA PENINSULA. <AEIC>.
08	21	09	25.7*	47.376	N	3.178	W	10	G		1.4	12	FRANCE. ML 2.5 (LDG).
08	21	17	45.8	46.191	N	7.560	E	10	G		0.9	35	SWITZERLAND. ML 2.6 (STR), 2.5 (LDG), 2.5 (FBB).
08	22	10	21.0&	37.920	N	21.120	E	5				6	SOUTHERN GREECE. <ATH>. MD 3.0 (ATH).
08	22	25	08.4	44.456	N	6.957	E	10	G		0.3	13	FRANCE. ML 2.1 (GEN), 2.0 (LDG).
08	22	57	32.7&	35.016	S	72.083	W	73				8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.7 (GUC).
08	23	32	33.4&	36.661	N	121.277	W	3				10	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK).
08	23	56	33.9	6.945	S	129.545	E	33	N	4.6	1.0	23	BANDA SEA
09	00	47	33.0&	34.429	S	70.700	W	104				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.8 (GUC).
09	01	25	51.6&	43.900	N	7.700	E	6				19	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 2.1 (LDG), 2.1 (GEN), 1.7 (STR).
09	02	24	58.5	39.367	N	71.743	E	33	N	4.5	0.8	31	TAJIKISTAN
09	03	42	36.7	46.163	N	7.501	E	10	G		0.9	36	SWITZERLAND. ML 2.5 (STR), 2.4 (LDG), 2.3 (FBB), 2.3 (VIE).
09	03	53	44.5&	59.681	N	152.817	W	93				42	SOUTHERN ALASKA. <AEIC>.
09	06	05	16.6&	32.576	S	71.696	W	29				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
09	06	22	16.2	5.793	S	105.724	E	126		4.6	0.8	26	SUNDA STRAIT
09	07	17	53.5*	51.142	N	15.976	E	5	G		0.8	8	POLAND. ML 3.4 (VIE), 2.9 (WAR).
09	07	30	10.9&	54.018	N	162.977	W	26		4.5		79	ALASKA PENINSULA. <AEIC>. ML 4.1 (AEIC).
09	07	35	49.9	19.243	N	145.437	E	151	D	4.9	0.7	82	MARIANA ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 07:35:41.5; Lat 18.69 N; Lon 145.81 E; Dep 119.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.53, Plg=13, Azm=327; (N) Val=0.38, Plg=48, Azm=222; (P) Val=-4.91, Plg=39, Azm=68; Best double couple: Mo=4.7*10**16 Nm; NP1: Strike=100, Dip=53, Slip=-21; NP2: Strike=203, Dip=74, Slip=-141.
09	07	43	53.2*	5.605	S	151.802	E	33	N	4.8	1.0	21	NEW BRITAIN REGION, P.N.G.
09	08	56	03.5	46.007	N	6.580	E	10	G		1.0	26	SWITZERLAND. ML 3.0 (LDG), 2.9 (STR).
09	09	25	03.3	31.075	N	49.643	E	33	N	4.6	0.8	43	WESTERN IRAN
09	09	40	09.3&	59.506	N	152.733	W	77				85	SOUTHERN ALASKA. <AEIC>.
09	10	53	29.4*	35.699	N	25.899	E	33	N		0.4	5	CRETE. MD 3.6 (ATH).
09	12	05	39.2*	44.355	N	7.469	E	10	G		0.8	11	NORTHERN ITALY. ML 2.1 (LDG), 1.9 (STR).
09	12	20	36.9	0.876	N	125.972	E	33	N	5.0	0.9	38	NORTHERN MOLUCCA SEA
09	12	56	19.1&	36.420	N	4.430	W	0	G			7	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.4 (MDD).
09	13	49	48.5	46.155	N	7.567	E	10	G		1.0	52	SWITZERLAND. ML 2.8 (STR), 2.8 (LDG), 2.5 (GEN), 2.5 (FBB).
09	14	39	55.3&	10.274	N	61.448	W	50				4	TRINIDAD. <TRN>. MD 2.3 (TRN).
09	14	54	45.4*	13.401	N	144.567	E	200	G	4.0	0.8	16	MARIANA ISLANDS
09	15	22	35.1	6.635	S	155.896	E	200	G	4.5	0.7	25	SOLOMON ISLANDS
09	15	35	02.5*	37.409	N	70.065	E	33	N	4.4	1.4	12	AFGHANISTAN-TAJIKISTAN BORD REG.
09	15	45	42.9*	33.327	N	47.691	E	33	N	4.4	1.1	17	WESTERN IRAN
09	15	56	32.6	42.435	N	142.969	E	33	N	4.9 4.3	0.8	84	HOKKAIDO, JAPAN REGION. Mw 5.3 (HRV). Felt (III JMA) in the Horoizumi area and (I JMA) in much of southern Hokkaido. Centroid, Moment Tensor (HRV): Centroid origin time 15:56:41.5; Lat 42.26 N; Lon 142.74 E; Dep 35.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.85, Plg=2, Azm=211; (N) Val=-0.09, Plg=53, Azm=303; (P) Val=-9.75, Plg=37, Azm=120; Best double couple: Mo=9.8*10**16 Nm; NP1: Strike=262, Dip=63, Slip=-153; NP2: Strike=159, Dip=66, Slip=-30.
09	16	29	58.6&	18.360	N	66.140	W	118				6	PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
09	17	19	09.1*	28.325	N	142.285	E	33	N	4.5	1.3	28	BONIN ISLANDS REGION
09	17	22	13.3&	37.610	N	7.880	W	5				11	PORTUGAL. <MDD>. mbLg 2.7 (MDD).
09	17	24	25.2&	63.570	N	150.540	W	8				48	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
09	17	25	45.2&	38.060	N	20.310	E	5				39	GREECE. <ATH>. ML 4.0 (ATH), 4.0 (PDG).
09	17	44	26.6&	46.500	N	2.900	E	15				13	FRANCE. <LDG>. ML 2.1 (LDG), 2.1 (STR).
09	18	58	38.2&	46.500	N	2.900	E	16				7	FRANCE. <LDG>. ML 2.1 (LDG).
09	19	56	46.9*	2.071	S	120.824	E	33	N	4.2	0.8	12	SULAWESI, INDONESIA
09	19	59	34.4	39.300	N	21.391	E	10	G		1.2	6	GREECE
09	20	25	57.5&	32.714	S	71.673	W	32				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
09	20	37	24.1*	16.238	N	148.036	E	33	N	4.5	0.9	12	MARIANA ISLANDS REGION
09	20	44	20.0	46.168	N	14.454	E	10	G		0.2	7	NORTHWESTERN BALKAN REGION. ML 1.5 (LJU).
09	20	56	50.5	33.350	S	69.867	W	10	G	3.8	0.3	14	CHILE-ARGENTINA BORDER REGION
09	21	08	59.6&	33.281	S	69.814	W	10				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
09	21	17	37.5&	33.362	S	69.854	W	4				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 4.2 (GUC).
09	21	21	36.4&	33.361	S	69.838	W	8				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
09	21	28	40.0	33.327	S	69.928	W	10	G		0.9	20	CHILE-ARGENTINA BORDER REGION. MD 4.6 (GUC).
09	21	36	59.6*	28.581	N	57.640	E	33	N	4.7	1.2	10	SOUTHERN IRAN
09	21	42	04.6&	33.356	S	69.822	W	5				8	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
09	22	08	15.0	46.184	N	7.501	E	10	G		0.9	94	SWITZERLAND. ML 3.8 (GRF), 3.4 (FUR), 3.4 (GEN), 3.4 (LDG), 3.3 (VIE), 3.3 (FBB), 3.2 (STR).
09	23	20	46.0	51.606	N	16.155	E	5	G		0.8	28	POLAND. ML 3.4 (VIE).
10	00	31	46.2*	36.275	N	70.821	E	200	G	3.8	0.9	12	HINDU KUSH REGION, AFGHANISTAN
10	00	41	02.9*	2.041	S	124.947	E	33	N	4.3	1.4	7	CERAM SEA
10	00	44	13.1&	37.635	N	118.932	W	7				11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1

													(BRK).
10	01	26	26.9%	40.260	S	174.494	E	31			0.7	11	COOK STRAIT, NEW ZEALAND. ML 3.8 (WEL).
10	02	21	53.7&	38.310	N	24.930	E	5				5	AEGEAN SEA. <ATH>. MD 3.3 (ATH).
10	02	39	38.7&	61.304	N	146.878	W	20				23	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 2.8 (PMR).
10	03	24	31.9	48.466	N	13.923	E	5	G		0.5	14	AUSTRIA. ML 3.1 (VIE), 2.7 (GRF), 2.5 (FUR). Felt (V) at Neufelden.
10	03	37	54.1%	40.599	S	174.911	E	10	G		1.2	12	COOK STRAIT, NEW ZEALAND. ML 3.7 (WEL). Felt at Waitarere on the North Island.
10	03	51	34.7&	63.535	N	150.610	W	16				29	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.1 (PMR).
10	04	43	11.7&	46.200	N	7.600	E	2				9	SWITZERLAND. <LDG>. ML 1.9 (LDG).
10	04	51	48.1*	3.481	S	145.613	E	33	N	4.4	1.2	9	NEAR N COAST OF NEW GUINEA, PNG.
10	06	17	42.5&	6.807	N	73.178	W	160		4.4		44	NORTHERN COLOMBIA. <RSNC>.
10	06	56	15.9%	40.902	S	175.160	E	33	N		0.4	8	NORTH ISLAND, NEW ZEALAND. ML 2.9 (WEL).
10	07	15	12.9&	59.222	N	136.447	W	10	G			7	SOUTHEASTERN ALASKA. <PGC-P>. ML 4.0 (PGC), 3.6 (AEIC). Felt at Mile 33 on the Haines Highway and at Pleasant Camp, British Columbia.
10	08	03	58.4	41.716	N	22.810	E	10	G		0.6	6	NORTHWESTERN BALKAN REGION. MD 3.2 (ATH).
10	08	04	37.4	3.146	S	135.101	E	33	N	4.8 4.3	1.1	37	IRIAN JAYA REGION, INDONESIA
10	08	14	54.4	10.552	N	93.804	E	150	G	4.6	0.7	25	ANDAMAN ISLANDS, INDIA
10	08	21	14.4	7.952	S	71.416	W	649	D	5.1	0.8	291	WESTERN BRAZIL. Mw 5.5 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:21:16.2; Lat 8.02 S; Lon 71.27 W; Dep 650.2; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.14, Plg=22, Azm=261; (N) Val=-0.43, Plg=18, Azm=164; (P) Val=-1.71, Plg=61, Azm=38; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=21, Dip=28, Slip=-49; NP2: Strike=157, Dip=70, Slip=-109.
10	08	49	23.2*	7.988	S	71.483	W	650	G	3.6	0.4	6	WESTERN BRAZIL
10	09	29	39.0&	37.350	N	2.310	W	16				17	SPAIN. <MDD>. mbLg 2.6 (MDD). Felt (III) at Olula del Rio.
10	09	57	21.2*	20.386	S	178.822	W	600	G	4.5	0.7	18	FIJI ISLANDS REGION
10	09	57	54.1	45.730	N	10.528	E	5	G		0.6	23	NORTHERN ITALY. ML 2.9 (VIE), 2.7 (LDG), 2.5 (STR).
10	10	02	53.0?	6.69	N	73.16	W	189	?	3.8	0.9	7	NORTHERN COLOMBIA
10	10	11	05.0&	38.230	N	118.390	W	10				15	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 2.4 (REN). ML 3.1 (GS).
10	10	55	58.9&	44.300	N	7.600	E	2				8	NORTHERN ITALY. <LDG>. ML 2.5 (LDG).
10	11	25	46.2?	36.25	N	71.10	E	185	?		1.4	9	AFGHANISTAN-TAJIKISTAN BORD REG.
10	11	53	22.6?	3.36	S	68.32	E	10	G		1.2	8	CHAGOS ARCHIPELAGO REGION
10	12	12	58.0&	49.150	N	6.920	E	1	G			6	GERMANY. <FBB>. ML 2.3 (FBB), 1.9 (UCC).
10	12	20	13.6&	43.952	N	7.612	E	12				6	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 1.9 (GEN).
10	12	42	02.4	51.579	N	16.208	E	5	G		0.9	30	POLAND. ML 4.0 (GRF), 3.7 (VIE), 3.5 (WAR).
10	12	59	24.0&	43.952	N	7.620	E	10				16	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.7 (LDG), 2.4 (GEN).
10	13	09	46.6&	43.943	N	7.604	E	13				12	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.1 (LDG), 2.0 (GEN).
10	13	16	35.5&	43.949	N	7.619	E	14				11	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.0 (LDG), 1.9 (GEN).
10	13	44	10.4?	21.33	S	66.70	W	143	?	3.8	1.5	8	SOUTHERN BOLIVIA
10	13	51	07.6*	22.575	S	68.238	W	96	?	4.0	0.7	13	NORTHERN CHILE
10	14	12	08.7?	44.82	N	147.63	E	33	N	3.7	0.9	6	KURIL ISLANDS
10	14	21	50.8	27.845	N	53.517	E	33	N	4.7	0.8	67	SOUTHERN IRAN
10	14	41	34.8	54.768	N	160.039	E	124	D	4.1	1.0	21	NEAR EAST COAST OF KAMCHATKA
10	14	55	04.5?	5.45	S	148.31	E	246	*	4.4	0.8	10	NEW BRITAIN REGION, P.N.G.
10	15	40	58.8?	51.38	N	16.25	E	5	G		0.9	7	POLAND. ML 3.1 (VIE), 2.6 (WAR).
10	17	01	09.7	35.461	N	0.097	W	10	G	4.5	0.7	54	NORTHERN ALGERIA
10	18	11	00.3&	19.837	N	98.767	W	9				4	CENTRAL MEXICO. <UNM>. MD 2.9 (UNM).
10	20	03	35.0&	47.500	N	6.000	E	13				30	FRANCE. <LDG>. ML 2.7 (LDG), 2.5 (STR), 2.3 (FBB).
10	21	12	04.0*	5.253	S	153.418	E	66	*	4.2	1.1	22	NEW IRELAND REGION, P.N.G.
10	22	15	42.0*	5.714	S	145.428	E	92	*	3.8	1.2	11	EASTERN NEW GUINEA REG., P.N.G.
10	22	48	00.8*	44.507	N	149.838	E	33	N		1.3	15	KURIL ISLANDS
10	23	32	54.8*	11.756	S	166.484	E	124	?	4.6	0.9	26	SANTA CRUZ ISLANDS
11	00	00	01.7&	15.513	N	97.654	W	21				6	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.2 (UNM).
11	01	06	46.9*	51.083	N	15.788	E	5	G		1.1	8	POLAND. ML 3.3 (VIE), 2.8 (WAR).
11	01	13	27.1&	47.280	N	6.810	E	2				19	FRANCE. <STR>. ML 2.2 (LDG), 1.8 (STR).
11	01	40	32.1?	21.07	S	178.65	W	650	G	4.5	0.9	12	FIJI ISLANDS REGION
11	01	52	28.2*	40.769	S	43.248	E	10	G		0.7	7	SOUTHWEST INDIAN RIDGE
11	01	52	46.8*	1.232	N	126.421	E	33	N	4.8	1.2	30	NORTHERN MOLUCCA SEA
11	03	22	36.4&	16.114	N	97.138	W	8				10	OAXACA, MEXICO. <UNM>. MD 4.2 (UNM).
11	03	45	31.1	50.153	N	10.381	E	10	G		1.0	20	GERMANY. ML 3.0 (LDG), 2.9 (STR), 2.9 (VIE), 2.8 (FBB), 2.5 (CLL).
11	03	57	50.6?	45.57	N	26.53	E	150	G		0.8	6	ROMANIA
11	03	58	54.2?	31.63	S	72.01	W	33	N		0.5	13	OFF COAST OF CENTRAL CHILE. MD 4.3 (GUC).
11	05	36	20.3*	28.508	N	130.116	E	33	N	3.7	0.6	6	RYUKYU ISLANDS. Felt (II JMA) on Kikai-shima and (I JMA) on Amami O-shima.
11	05	43	58.9*	7.138	S	129.477	E	144	*	4.4	1.4	16	BANDA SEA
11	05	52	17.8&	36.740	N	5.660	W	6				5	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.4 (MDD).
11	06	03	06.9&	35.343	N	118.545	W	1				44	CENTRAL CALIFORNIA. <PAS-P>. ML 3.6 (PAS).
11	06	52	51.1?	18.56	N	146.60	E	33	N	4.1	0.3	6	MARIANA ISLANDS
11	06	58	15.9	28.283	N	55.535	E	33	N	4.9	0.7	82	SOUTHERN IRAN
11	07	15	29.1?	37.43	N	142.22	E	33	N		0.9	5	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in eastern Fukushima Prefecture.
11	07	28	10.6&	40.140	N	21.400	E	10				5	GREECE. <ATH>. MD 3.2 (ATH).
11	08	02	06.6*	52.439	N	169.517	W	33	N		0.6	7	FOX ISLANDS, ALEUTIAN ISLANDS
11	08	14	58.7&	34.305	N	120.797	W	6	G			34	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS).
11	08	27	51.8?	40.11	S	175.01	E	10	G		0.2	6	NORTH ISLAND, NEW ZEALAND. ML 3.0 (WEL).
11	08	37	50.3	31.266	S	68.918	W	118	D	5.5	0.8	246	SAN JUAN PROVINCE, ARGENTINA. Mw 5.4 (HRV). MD 5.5 (GUC). Felt (II) at Santiago and Vicuna, Chile. Centroid, Moment Tensor (HRV): Centroid origin time 08:37:53.9; Lat 31.52 S; Lon 68.94 W; Dep 127.8; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.70, Plg=4, Azm=306; (N) Val=-0.28, Plg=4, Azm=37; (P) Val=-1.42, Plg=84, Azm=174; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=32, Dip=41, Slip=-97; NP2: Strike=221, Dip=49, Slip=-84.
11	08	42	44.3&	32.506	N	115.237	W	6	G			22	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.9 (PAS).
11	09	07	38.5?	10.42	N	87.90	W	33	N	4.5	1.3	12	OFF COAST OF COSTA RICA
11	09	34	01.1&	31.422	S	69.712	W	181				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.0 (GUC).

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11  09 49 25.8? 24.76  N   95.39  E  166 ?            0.6    7  MYANMAR
11  09 55 01.7? 40.22  S  174.90  E   10 G            0.5    7  COOK STRAIT, NEW ZEALAND. ML 3.2 (WEL).
11  10 16 19.2& 32.952 S   72.280 W   36                  10  OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
11  11 16 24.3& 33.116 S   70.171 W  110                  13  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
11  11 45 32.5% 46.071 N   14.776 E   10 G            0.3    6  NORTHWESTERN BALKAN REGION. ML 1.2 (LJU).
11  12 12 38.1  46.211 N   16.001 E   10 G            0.3    7  NORTHWESTERN BALKAN REGION. ML 2.4 (VIE), 1.7 (LJU).
11  12 28 57.0* 0.808  S  134.129 E   33 N            1.1    6  IRIAN JAYA REGION, INDONESIA
11  12 35 08.5& 18.660 N   66.860 W   77                   6  PUERTO RICO REGION. <MPR>. MD 3.1 (MPR).
11  12 53 15.8  5.899  S  104.260 E   33 N  5.2 4.4   1.0   79  SOUTHERN SUMATERA, INDONESIA. Mw 5.1 (HRV). Felt (III) at
                                                               Liwa.
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                               12:53:22.4; Lat 6.42 S; Lon 104.60 E; Dep 39.7; Half-
                                                               duration 1.0 sec: Principal axes (scale 10**16 Nm): (T)
                                                               Val=4.94, Plg=61, Azm=44; (N) Val=0.29, Plg=5, Azm=305; (P)
                                                               Val=-5.23, Plg=29, Azm=212; Best double couple:
                                                               Mo=5.1*10**16 Nm; NP1: Strike=287, Dip=17, Slip=72; NP2:
                                                               Strike=126, Dip=74, Slip=95.
11  13 08 10.6* 5.919  N  126.326 E  162 ?  4.3       0.7   17  MINDANAO, PHILIPPINE ISLANDS
11  14 08 39.5* 4.134  S  123.456 E   33 N  4.2       1.0   11  BANDA SEA
11  14 09 02.3& 35.570 N    6.080 W   16                   8  STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
11  15 09 19.5  42.253 N   25.270 E   10 G  4.7       1.1  110  BULGARIA. ML 4.6 (ATH), 4.6 (PDG).
11  15 21 08.6* 18.947 S  168.140 E   33 N  4.7       1.3   31  VANUATU ISLANDS
11  16 23 38.3* 28.311 N   55.678 E   33 N  4.3       1.2   15  SOUTHERN IRAN
11  16 37 24.9& 34.343 N  120.735 W    6 G                  7  SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
11  17 33 55.3* 52.446 N  169.525 W   33 N            0.9    9  FOX ISLANDS, ALEUTIAN ISLANDS
11  17 34 36.8? 40.17  S  174.05  E  127 ?            0.1    9  COOK STRAIT, NEW ZEALAND
11  17 36 14.6* 18.725 S  169.077 E  165 D  4.9       1.1   32  VANUATU ISLANDS
11  17 50 15.5? 2.44   N  126.54  E   33 N  4.1       0.6   10  NORTHERN MOLUCCA SEA
11  18 32 39.4? 40.26  S  174.90  E   10 G            0.2    7  COOK STRAIT, NEW ZEALAND. ML 3.0 (WEL).
11  19 12 09.0% 39.864 S  176.333 E  100 G            0.3   10  NORTH ISLAND, NEW ZEALAND
11  19 37 37.5* 7.025  S  129.035 E   10 G  3.5       1.4    9  BANDA SEA
11  19 58 53.3& 44.366 N    7.608 E   17                   6  NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
11  20 05 21.4& 44.000 N    7.700 E    6                   4  NORTHERN ITALY. <LDG>. ML 1.8 (LDG).
11  20 09 36.6* 51.242 N  179.849 W   33 N  4.3       0.8   10  ANDREANOF ISLANDS, ALEUTIAN IS.
11  20 13 30.3* 28.435 N  130.141 E   33 N            0.9    7  RYUKYU ISLANDS
11  20 15 07.8% 41.754 S  172.950 E  100 G            0.6    8  SOUTH ISLAND, NEW ZEALAND
11  20 16 24.0  36.514 N   71.021 E  223 D  5.0       1.0  240  AFGHANISTAN-TAJIKISTAN BORD REG. Mw 5.7 (GS), 5.6 (HRV).
                                                               Five people killed, seven injured and some damage at Kabul,
                                                               Afghanistan.
                                                               Moment Tensor (GS): Dep 220; Principal axes (scale 10**17
                                                               Nm): (T) Val=3.70, Plg=63, Azm=105; (N) Val=0.00, Plg=24,
                                                               Azm=256; (P) Val=-3.70, Plg=12, Azm=351; Best double
                                                               couple: Mo=3.7*10**17 Nm; NP1: Strike=109, Dip=39,
                                                               Slip=130; NP2: Strike=241, Dip=61, Slip=62.
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                               20:16:27.1; Lat 36.35 N; Lon 70.87 E; Dep 240.3; Half-
                                                               duration 1.6 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=3.10, Plg=54, Azm=98; (N) Val=-0.05, Plg=36, Azm=275;
                                                               (P) Val=-3.05, Plg=2, Azm=6; Best double couple:
                                                               Mo=3.1*10**17 Nm; NP1: Strike=126, Dip=54, Slip=136; NP2:
                                                               Strike=246, Dip=56, Slip=46.
11  20 38 10.2& 47.200 N    6.500 E    4                  16  FRANCE. <LDG>. ML 2.4 (FBB), 2.1 (LDG), 1.9 (STR).
11  20 52 01.5& 47.200 N    6.500 E    2                  17  FRANCE. <LDG>. ML 2.0 (LDG), 1.6 (STR).
11  21 11 11.5* 41.105 S  173.802 E   54 ?            0.9    8  SOUTH ISLAND, NEW ZEALAND
11  21 35 58.9& 37.860 N    5.220 W    0 G                 16  SPAIN. <MDD>. mbLg 2.6 (MDD). Felt (II) at Hornachuelos.
11  21 42 46.6  16.597 S  172.758 W   33 N  5.2 5.0   1.1   80  SAMOA ISLANDS REGION. Mw 5.5 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                               21:42:50.7; Lat 16.52 S; Lon 172.43 W; Dep 15.2; Half-
                                                               duration 1.2 sec; Principal axes (scale 10**17 Nm): (T)
                                                               Val=1.90, Plg=59, Azm=281; (N) Val=0.02, Plg=1, Azm=13; (P)
                                                               Val=-1.92, Plg=31, Azm=103; Best double couple:
                                                               Mo=1.9*10**17 Nm; NP1: Strike=198, Dip=14, Slip=95; NP2:
                                                               Strike=12, Dip=76, Slip=89.
11  21 58 38.4& 31.732 S   70.979 W  121                  12  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
11  22 17 35.5? 16.78  S  172.76  W   33 N  4.6       1.4    5  SAMOA ISLANDS REGION
11  22 23 22.2? 16.54  S  172.79  W   33 N  4.4       0.6    7  SAMOA ISLANDS REGION
11  23 19 01.6  1.201  N  126.412 E   33 N  4.7       1.1   41  NORTHERN MOLUCCA SEA
11  23 26 24.1  1.108  N  126.267 E   33 N  4.8       1.0   37  NORTHERN MOLUCCA SEA
12  01 37 05.2& 54.880 N  161.040 W   42                  13  ALASKA PENINSULA. <AEIC>. ML 2.7 (AEIC).
12  01 39 20.7& 42.900 N    0.200 E    2                   5  PYRENEES. <LDG>. ML 2.0 (LDG).
12  01 41 32.0& 37.510 N  116.290 W    0    4.1            42  SOUTHERN NEVADA. <REN-P>. MD 4.5 (REN). ML 4.5 (GS). Felt at
                                                               Caliente.
12  01 42 16.0& 49.150 N    6.820 E    1 G                 8  GERMANY. <FBB>. ML 2.1 (FBB), 1.9 (UCC).
12  03 21 43.9? 54.83  N  164.82  W   33 N            1.3    9  UNIMAK ISLAND REGION
12  04 08 24.4& 58.524 N  153.599 W   69                  25  KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
12  04 22 44.1& 15.782 N   99.094 W   10                  19  OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 4.3 (UNM).
12  04 58 39.9& 35.102 S   71.156 W  102                   8  CENTRAL CHILE. <GUC>.
12  05 06 56.9& 38.540 N   25.380 E    9                  11  AEGEAN SEA. <ATH>. ML 3.7 (ATH).
12  05 09 09.6& 43.962 N    7.607 E    2                  15  NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.0 (GEN), 1.8 (LDG).
12  06 25 12.0& 39.700 N  118.010 W   14                  16  NEVADA. <REN-P>. MD 2.8 (REN). ML 3.5 (GS).
12  06 34 58.4& 34.395 S   70.546 W  115                  13  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
12  06 48 01.7  47.533 N  154.456 E   33 N  4.9 4.5   0.9   75  KURIL ISLANDS
12  07 17 13.5& 43.000 N    0.900 W    2                   4  PYRENEES. <LDG>. ML 2.2 (STR), 1.9 (LDG).
12  07 54 47.8& 31.859 S   70.237 W  116                  10  CHILE-ARGENTINA BORDER REGION. <GUC>.
12  08 09 13.4? 35.68  N   71.75  E   33 N  4.5       0.9   12  PAKISTAN
12  08 55 33.2? 36.44  N   70.67  E  251 ?  3.7       1.2   11  HINDU KUSH REGION, AFGHANISTAN
12  08 59 12.6% 36.536 N    9.925 W   10 G            0.7   14  WEST OF GIBRALTAR. mbLg 2.3 (MDD).
12  09 02 57.1& 32.864 S   70.644 W   87                  10  CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
12  09 50 48.8  7.609  S  107.863 E   86    4.9       1.0   75  JAWA, INDONESIA. Mw 5.0 (HRV).
                                                               Centroid, Moment Tensor (HRV): Centroid origin time
                                                               09:50:51.8; Lat 7.72 S; Lon 107.74 E; Dep 88.1; Half-
                                                               duration 1.0 sec; Principal axes (scale 10**16 Nm): (T)
                                                               Val=2.87, Plg=89, Azm=147; (N) Val=1.35, Plg=0, Azm=237;
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														(P) Val=-4.22, Plg=1, Azm=327; Best double couple: Mo=3.5*10**16 Nm; NP1: Strike=57, Dip=44, Slip=90; NP2: Strike=237, Dip=46, Slip=90.
12	10	58	30.0*	0.968	N	125.989	E	33	N	4.4		1.2	12	NORTHERN MOLUCCA SEA
12	11	03	45.9*	21.713	S	179.460	W	600	G	4.5		1.1	26	FIJI ISLANDS REGION
12	11	14	59.0&	44.443	N	7.295	E	4					4	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
12	11	32	23.8&	38.370	N	8.230	W	15					8	PORTUGAL. <MDD>. mbLg 2.1 (MDD).
12	11	42	42.7&	43.700	N	7.500	E	2					5	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 1.9 (LDG).
12	12	47	45.0&	61.106	N	150.592	W	39					32	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
12	12	52	41.8	0.057	N	123.567	E	151	*	5.1		1.3	80	MINAHASSA PENINSULA, SULAWESI. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:52:42.7; Lat 0.06 N; Lon 123.87 E; Dep 129.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.82, Plg=81, Azm=292; (N) Val=-0.31, Plg=4, Azm=175; (P) Val=-4.51, Plg=8, Azm=85; Best double couple: Mo=4.7*10**16 Nm; NP1: Strike=170, Dip=37, Slip=83; NP2: Strike=359, Dip=54, Slip=95.
12	14	34	55.4	5.803	N	126.589	E	33	N	4.5		1.1	28	MINDANAO, PHILIPPINE ISLANDS
12	15	01	59.9&	32.597	S	71.783	W	23					11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
12	15	03	11.0&	34.010	N	116.774	W	20					31	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
12	15	04	38.1&	43.400	N	0.700	W	6					6	PYRENEES. <LDG>. ML 2.4 (STR), 2.1 (LDG).
12	15	16	16.4*	4.063	N	126.835	E	33	N	4.3		1.2	11	TALAUD ISLANDS, INDONESIA
12	15	52	52.3	43.844	N	128.199	W	10	G	4.4		0.9	129	OFF COAST OF OREGON
12	15	59	44.9	46.266	N	13.890	E	5	G			0.8	13	AUSTRIA. ML 2.4 (VIE), 2.1 (LJU).
12	16	00	14.8&	36.470	N	121.040	W	5					7	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
12	16	24	49.5*	36.430	N	71.219	E	153	?			1.3	13	AFGHANISTAN-TAJIKISTAN BORD REG.
12	16	25	55.6&	61.128	N	151.747	W	85					31	SOUTHERN ALASKA. <AEIC>.
12	16	45	20.7*	36.498	N	70.986	E	230	*	4.3		0.5	17	HINDU KUSH REGION, AFGHANISTAN
12	17	21	57.6?	40.92	S	175.57	E	33	N			0.3	7	NORTH ISLAND, NEW ZEALAND. ML 2.9 (WEL).
12	17	42	42.6?	59.69	S	27.72	W	100	G	4.7		1.3	18	SOUTH SANDWICH ISLANDS REGION
12	17	58	16.6?	40.06	S	174.30	E	150	G			0.4	10	COOK STRAIT, NEW ZEALAND
12	18	48	56.4&	60.940	N	152.596	W	140					42	SOUTHERN ALASKA. <AEIC>.
12	20	38	55.2&	59.729	N	151.637	W	47					34	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC).
12	20	53	39.7&	44.900	N	5.600	E	2					22	FRANCE. <LDG>. ML 2.4 (LDG).
12	21	12	26.4&	33.615	S	71.627	W	30					10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
12	21	39	30.6	4.476	S	103.034	E	80		5.2		0.9	118	SOUTHERN SUMATERA, INDONESIA. Mw 5.1 (HRV). Felt (III) at Kepahiang. Centroid, Moment Tensor (HRV): Centroid origin time 21:39:33.4; Lat 4.84 S; Lon 102.61 E; Dep 65.2; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=3.90, Plg=56, Azm=71; (N) Val=1.14, Plg=26, Azm=295; (P) Val=-5.05, Plg=21, Azm=194; Best double couple: Mo=4.5*10**16 Nm; NP1: Strike=247, Dip=34, Slip=37; NP2: Strike=125, Dip=70, Slip=118.
12	22	00	20.4&	43.756	N	7.694	E	5					24	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.3 (GEN), 1.9 (LDG).
12	22	06	29.6*	10.615	S	112.361	E	33	N	3.7		1.3	9	SOUTH OF JAWA, INDONESIA
12	22	42	36.8&	33.410	S	70.994	W	65					10	CHILE-ARGENTINA BORDER REGION. <GUC>.
12	22	45	18.1*	5.694	S	146.569	E	33	N	3.9		1.4	11	EASTERN NEW GUINEA REG., P.N.G.
12	23	08	42.0&	37.530	N	3.800	W	21					11	SPAIN. <MDD>. mbLg 2.0 (MDD).
12	23	13	15.8&	43.100	N	0.300	W	2					10	PYRENEES. <LDG>. ML 2.5 (STR), 2.4 (LDG).
12	23	29	52.4&	33.612	S	70.118	W	8					14	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.8 (GUC).
12	23	49	29.8&	36.450	N	23.100	E	8					9	SOUTHERN GREECE. <ATH>. ML 3.3 (ATH).
13	00	05	32.1&	43.954	N	7.621	E	9					25	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.3 (GEN), 2.3 (LDG), 1.9 (STR).
13	00	38	01.2&	43.951	N	7.612	E	11					18	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.2 (GEN), 1.9 (LDG).
13	00	54	32.8?	51.65	N	175.12	W	33	N			1.5	6	ANDREANOF ISLANDS, ALEUTIAN IS.
13	00	55	36.5&	33.198	S	70.973	W	68					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
13	02	03	04.3&	60.024	N	151.875	W	74					62	KENAI PENINSULA, ALASKA. <AEIC>.
13	02	04	41.1&	43.955	N	7.619	E	10					12	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.1 (GEN), 2.0 (LDG).
13	02	07	21.2&	33.840	S	71.658	W	39					9	NEAR COAST OF CENTRAL CHILE. <GUC>.
13	03	52	10.5&	45.100	N	6.700	E	2					6	FRANCE. <LDG>. ML 2.2 (LDG).
13	03	52	53.7&	32.470	S	70.717	W	97					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.8 (GUC).
13	04	18	34.8?	22.07	S	176.03	W	200	G	4.4		1.3	10	SOUTH OF FIJI ISLANDS
13	04	37	05.9&	43.900	N	7.700	E	6					7	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 1.8 (LDG).
13	06	34	16.6&	60.999	N	152.406	W	113					67	SOUTHERN ALASKA. <AEIC>.
13	06	38	36.0&	60.328	N	152.429	W	101					65	SOUTHERN ALASKA. <AEIC>.
13	07	37	16.1*	11.925	N	142.915	E	60	?	4.6		1.2	15	SOUTH OF MARIANA ISLANDS
13	07	39	42.3&	32.724	N	115.920	W	7					36	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.7 (PAS) MD 3.9 (ECX).
13	08	08	19.6&	38.420	N	25.490	E	5					10	AEGEAN SEA. <ATH>. ML 3.5 (ATH).
13	08	38	27.8&	43.958	N	7.625	E	7					21	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.4 (LDG), 2.2 (GEN).
13	09	04	52.1*	50.634	N	96.587	E	10	G	4.5		1.5	24	RUSSIA-MONGOLIA BORDER REGION
13	10	22	26.6*	11.828	S	74.778	W	33	N	4.3		1.0	6	CENTRAL PERU
13	10	32	33.9*	13.812	N	90.733	W	33	N	3.9		1.1	24	NEAR COAST OF GUATEMALA
13	12	37	08.4*	0.072	N	123.410	E	150	G	4.2		0.9	13	MINAHASSA PENINSULA, SULAWESI
13	12	51	55.6?	36.05	N	26.32	E	145	*	3.7		1.3	12	DODECANESE ISLANDS
13	13	17	54.7	48.087	N	155.288	E	33	N	5.3	4.7	0.9	225	KURIL ISLANDS. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:17:55.4; Lat 48.70 N; Lon 156.29 E; Dep 28.3; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=1.46, Plg=54, Azm=331; (N) Val=-0.18, Plg=29, Azm=192; (P) Val=-1.27, Plg=20, Azm=90; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=141, Dip=36, Slip=34; NP2: Strike=23, Dip=71, Slip=121.
13	13	32	51.6&	61.914	N	150.597	W	49					80	SOUTHERN ALASKA. <AEIC>. ML 3.6 (AEIC), 3.7 (PMR).
13	14	02	01.9?	20.01	S	69.32	W	100	G			0.8	6	NORTHERN CHILE. Felt (III) at Iquique and Pisagua; (II) at Huara, La Tirana and Pozo Almonte.
13	14	08	07.7	58.535	N	142.430	W	10	G			0.8	82	GULF OF ALASKA. ML 3.8 (PMR), 3.7 (AEIC).
13	14	13	19.6&	44.491	N	7.293	E	12					6	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
13	16	24	21.3&	45.035	N	6.913	E	4					28	FRANCE. <GEN>. ML 2.3 (GEN), 2.3 (LDG).
13	17	31	58.8	13.345	N	44.845	W	10	G	5.3	5.2	0.8	259	NORTHERN MID-ATLANTIC RIDGE. Mw 5.5 (HRV), 5.4 (GS). Moment Tensor (GS): Dep 18; Principal axes (scale 10**17 Nm): (T) Val=1.13, Plg=7, Azm=278; (N) Val=0.14, Plg=14,

													Azm=10; (P) Val=-1.27, Plg=74, Azm=162; Best double couple Mo=1.2*10**17 Nm; NP1: Strike=352, Dip=40, Slip=-112; NP2: Strike=200, Dip=54, Slip=-72.
													Centroid, Moment Tensor (HRV): Centroid origin time 17:32:04.8; Lat 13.14 N; Lon 45.13 W; Dep 15.0 Fix; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.11, Plg=8, Azm=105; (N) Val=-0.37, Plg=10, Azm=14; (P) Val=-1.74, Plg=77, Azm=235; Best double couple: Mo=1.9*10**17 Nm; NP1: Strike=207, Dip=38, Slip=-74; NP2: Strike=7, Dip=54, Slip=-102.
13	17 47	48.7&	60.949	N	147.803	W	9					58	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
13	19 17	51.6&	17.311	N	101.509	W	7					17	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.9 (UNM).
13	20 07	52.6	13.338	N	44.949	W	10	G	4.9	4.5	1.0	56	NORTHERN MID-ATLANTIC RIDGE
13	20 34	13.8?	4.46	S	153.58	E	112	*	4.1		1.1	8	NEW IRELAND REGION, P.N.G.
13	21 05	36.1*	58.647	S	28.157	W	100	G	4.9		1.2	13	SOUTH SANDWICH ISLANDS REGION
13	21 14	43.2&	37.910	N	121.992	W	11					9	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). Felt at Clayton, Concord, Pittsburg and Walnut Creek.
13	21 21	10.9&	18.291	N	100.729	W	64					15	GUERRERO, MEXICO. <UNM>. MD 3.7 (UNM).
13	21 56	42.5&	43.958	N	7.620	E	7					18	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.0 (GEN), 2.0 (LDG), 1.8 (STR).
13	22 45	45.1&	32.654	S	71.549	W	54					8	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
13	22 47	07.8*	45.157	N	14.871	E	10	G			1.0	10	NORTHWESTERN BALKAN REGION. ML 2.2 (ZAG), 2.1 (LJU).
13	22 58	09.2	39.676	N	13.400	E	473		4.6		0.9	170	TYRRHENIAN SEA
13	23 35	17.8*	68.204	N	161.696	W	10	G			1.2	10	NORTHERN ALASKA
14	00 32	32.2&	32.894	S	71.225	W	54					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
14	00 39	13.9	35.078	N	6.156	E	10	G	4.2		1.0	48	NORTHERN ALGERIA
14	00 59	03.4	24.420	N	122.204	E	63	*	4.7		1.2	42	TAIWAN REGION. Felt (IV JMA) in southeastern I-lan County; (II JMA) at Hua-lien and I-lan; (I JMA) at Taipei.
14	01 09	21.8	4.940	S	134.018	E	33	N	4.9		1.1	44	IRIAN JAYA REGION, INDONESIA
14	03 05	20.3	6.457	S	146.659	E	59		3.9		0.6	15	EASTERN NEW GUINEA REG., P.N.G.
14	03 29	36.1&	10.374	N	62.146	W	17					4	NEAR COAST OF VENEZUELA. <TRN>. MD 2.9 (TRN).
14	04 03	33.9&	44.400	N	6.200	E	14					8	FRANCE. <LDG>. ML 1.7 (LDG).
14	04 09	14.4*	4.457	S	153.556	E	112	*	4.4		0.8	16	NEW IRELAND REGION, P.N.G.
14	04 14	02.9&	37.527	N	118.797	W	8					29	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 4.0 (BRK). MD 3.8 (GM). ML 4.0 (BRK).
													Moment Tensor (BRK): Dep 6; Principal axes (scale 10**15 Nm): (T) Val=1.00, Plg=16, Azm=70; (N) Val=0.00, Plg=74, Azm=243; (P) Val=-1.00, Plg=2, Azm=340; Best double couple: Mo=1.0*10**15 Nm; NP1: Strike=206, Dip=80, Slip=13; NP2: Strike=114, Dip=77, Slip=170.
14	04 15	49.0&	37.530	N	118.820	W	7					8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.3 (GM), 3.4 (BRK).
14	04 19	14.1&	44.000	N	7.600	E	6					26	NORTHERN ITALY. <LDG>. ML 2.6 (GEN), 2.3 (STR), 2.2 (LDG).
14	04 30	56.1	30.923	N	137.654	E	464	D	4.9		1.1	156	SOUTH OF HONSHU, JAPAN. Mw 5.5 (HRV).
													Centroid, Moment Tensor (HRV): Centroid origin time 04:31:00.4; Lat 30.93 N; Lon 137.45 E; Dep 454.0; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.78, Plg=47, Azm=88; (N) Val=0.03, Plg=9, Azm=348; (P) Val=-1.81, Plg=41, Azm=250; Best double couple: Mo=1.8*10**17 Nm; NP1: Strike=276, Dip=10, Slip=18; NP2: Strike=168, Dip=87, Slip=99.
14	05 05	03.4&	33.947	S	72.475	W	37					10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
14	05 54	09.0&	37.526	N	118.797	W	7					49	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.9 (BRK). ML 4.1 (GM), 4.2 (BRK).
													Moment Tensor (BRK): Dep 8; Principal axes (scale 10**14 Nm): (T) Val=8.10, Plg=16, Azm=87; (N) Val=0.00, Plg=72, Azm=241; (P) Val=-8.10, Plg=8, Azm=355; Best double couple: Mo=8.1*10**14 Nm; NP1: Strike=222, Dip=84, Slip=17; NP2: Strike=130, Dip=73, Slip=174.
14	07 23	46.8&	43.956	N	7.623	E	9					11	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 1.9 (LDG), 1.8 (GEN)
14	08 00	32.1*	15.424	S	72.601	W	109	*	4.3		1.2	24	SOUTHERN PERU
14	08 56	35.0&	31.863	S	70.085	W	135					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
14	09 22	41.0	58.823	S	25.263	W	33	N	4.8		0.8	48	SOUTH SANDWICH ISLANDS REGION
14	09 25	21.4	42.455	N	1.398	E	10	G			1.1	18	PYRENEES. ML 3.4 (STR), 2.9 (LDG).
14	09 27	23.8*	31.459	N	90.900	E	72	?	4.1		1.4	13	XIZANG
14	09 42	23.8?	27.33	N	140.47	E	498	?	4.3		1.0	13	BONIN ISLANDS REGION
14	10 42	40.2&	36.920	N	4.610	W	8					8	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.1 (MDD).
14	10 47	00.7&	15.340	N	61.140	W	131					5	LEEWARD ISLANDS. <TRN>. MD 3.6 (TRN).
14	11 43	50.0&	37.510	N	118.760	W	5					11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
14	11 51	50.0&	37.510	N	118.760	W	5					9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
14	12 33	38.6&	34.627	S	70.829	W	98					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
14	12 44	29.5*	38.864	N	35.799	E	10	G	4.2		1.3	27	TURKEY
14	12 51	46.8&	37.500	N	4.270	W	15					23	SPAIN. <MDD>. mbLg 3.1 (MDD).
14	13 06	09.8	38.969	N	35.794	E	10	G	4.5	3.9	1.1	78	TURKEY. Two people injured 20 houses destroyed and 118 houses damaged at Kayseri.
14	13 37	36.6&	43.957	N	7.625	E	9					12	NEAR SOUTH COAST OF FRANCE <GEN>. ML 2.0 (GEN), 2.0 (LDG).
14	13 54	07.7&	54.033	N	163.320	W	0		3.7			20	UNIMAK ISLAND REGION. <AEIC>. ML 3.7 (AEIC).
14	13 57	44.0&	49.150	N	6.890	E	1	G				5	GERMANY. <FBB>. ML 2.1 (FBB).
14	14 05	56.2&	36.110	N	28.250	E	68					15	DODECANESE ISLANDS. <ATH>.
14	14 54	52.6&	43.963	N	7.618	E	5					7	NEAR SOUTH COAST OF FRANCE <GEN>. ML 2.0 (GEN).
14	14 55	06.6&	43.957	N	7.620	E	8					5	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 1.7 (GEN).
14	14 57	35.2&	43.957	N	7.622	E	9					6	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 1.9 (GEN).
14	15 14	09.0&	37.390	N	3.780	W	15					7	SPAIN. <MDD>. mbLg 1.9 (MDD).
14	15 30	11.5	36.557	N	71.065	E	227	D	4.4		0.9	27	AFGHANISTAN-TAJIKISTAN BORD REG.
14	15 39	39.4	5.883	N	125.514	E	64	*	5.0		1.0	70	MINDANAO, PHILIPPINE ISLANDS
14	16 25	24.9	38.214	S	71.033	W	138	D	5.4		1.0	188	S. CHILE-ARGENTINA BORDER REGION. Mw 6.0 (GS), 6.0 (HRV) Me 6.0 (GS). Felt (V) in the Concepcion-Collipulli-Canete area; (IV) at Los Angeles and in the Victoria-Villarrica-Tolten area; (III) at Arauco, Curacautin, Ercilla, Lonquimay, Osorno, Pucon, Puerto Montt, Puerto Saavedra, Tirua and Valdivia; (II) at Talca, Chile.
													Broadband Source Parameters (GS): Dep 135; NP1: Strike=350, Dip=85, Slip=-90; NP2: Strike=170, Dip=5, Slip=-90;

													Radiated energy 2.0*10**13 Nm. Complex earthquake. A small event is followed by a larger one about 1.5 seconds later. Depth based on first event.
													Moment Tensor (GS): Dep 136; Principal axes (scale 10**18 Nm): (T) Val=1.06, Plg=35, Azm=98; (N) Val=-0.10, Plg=32, Azm=342; (P) Val=-0.96, Plg=39, Azm=222; Best double couple: Mo=1.0*10**18 Nm; NP1: Strike=247, Dip=32, Slip=-4; NP2: Strike=341, Dip=88, Slip=-122.
													Centroid, Moment Tensor (HRV): Centroid origin time 16:25:30.6; Lat 38.28 S; Lon 71.25 W; Dep 145.9; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=1.05, Plg=44, Azm=84; (N) Val=-0.06, Plg=8, Azm=346; (P) Val=-0.99, Plg=45, Azm=247; Best double couple: Mo=1.0*10**18 Nm; NP1: Strike=250, Dip=8, Slip=-6; NP2: Strike=346, Dip=89, Slip=-98.
14	16	49	36.5*	23.600	S	179.189	E	550	G	4.3		0.7	16	SOUTH OF FIJI ISLANDS
14	17	34	26.7*	47.196	N	152.834	E	116	?	4.0		0.9	14	KURIL ISLANDS
14	17	34	27.3*	4.450	S	153.409	E	120	*	4.6		1.0	29	NEW IRELAND REGION, P.N.G.
14	19	35	26.7	15.057	S	167.313	E	140	D	5.5		0.9	185	VANUATU ISLANDS. Mw 6.0 (GS), 6.0 (HRV).
														Moment Tensor (GS): Dep 110; Principal axes (scale 10**18 Nm): (T) Val=1.03, Plg=45, Azm=129; (N) Val=0.02, Plg=24, Azm=11; (P) Val=-1.05, Plg=35, Azm=263; Best double couple: Mo=1.0*10**18 Nm; NP1: Strike=297, Dip=25, Slip=14; NP2: Strike=194, Dip=84, Slip=115.
														Centroid, Moment Tensor (HRV): Centroid origin time 19:35:29.6; Lat 14.96 S; Lon 167.27 E; Dep 126.6; Half-duration 2.4 sec; Principal axes (scale 10**18 Nm): (T) Val=1.09, Plg=44, Azm=124; (N) Val=-0.02, Plg=23, Azm=10; (P) Val=-1.07, Plg=37, Azm=262; Best double couple: Mo=1.1*10**18 Nm; NP1: Strike=291, Dip=23, Slip=10; NP2: Strike=192, Dip=86, Slip=113.
14	20	06	43.6*	46.227	N	13.661	E	10	G			0.8	9	AUSTRIA. ML 2.6 (VIE), 1.9 (LJU).
14	20	17	40.0	85.716	N	84.926	E	10	G	4.8	4.7	0.9	104	NORTH OF SEVERNAYA ZEMLYA
14	20	48	44.0	26.554	N	31.099	E	10	G	4.5		1.0	37	EGYPT
14	21	31	56.4&	43.955	N	7.622	E	10					27	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.4 (LDG), 2.3 (GEN), 2.0 (STR).
14	21	40	37.4	36.293	N	115.320	W	5	G			0.6	7	CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (GS). Felt in the northwestern part of Las Vegas, Nevada.
14	21	58	53.1*	13.513	N	44.758	W	10	G	4.5		0.7	9	NORTHERN MID-ATLANTIC RIDGE
14	22	07	11.5*	0.592	S	99.120	E	33	N	4.7		1.2	27	SOUTHERN SUMATERA, INDONESIA
14	22	16	02.0	7.197	S	129.094	E	33	N	5.0	4.4	1.2	34	BANDA SEA. Mw 5.1 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 22:16:13.0; Lat 6.39 S; Lon 129.52 E; Dep 43.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.91, Plg=62, Azm=149; (N) Val=-1.72, Plg=14, Azm=268; (P) Val=-4.19, Plg=24, Azm=4; Best double couple: Mo=5.1*10**16 Nm; NP1: Strike=120, Dip=25, Slip=125; NP2: Strike=262, Dip=70, Slip=75.
14	23	35	27.1	15.615	N	95.512	W	33	N			1.1	11	NEAR COAST OF OAXACA, MEXICO. MD 4.3 (UNM).
14	23	46	09.6	44.780	N	10.651	E	5	G			1.3	50	NORTHERN ITALY. ML 3.0 (VIE), 3.0 (LDG), 2.7 (LJU).
14	23	48	57.8&	37.520	N	21.290	E	19					15	SOUTHERN GREECE. <ATH>. MD 3.8 (ATH).
14	23	54	05.6	0.408	S	67.166	E	10	G	4.9	4.5	1.1	51	CARLSBERG RIDGE
14	23	58	51.5	35.911	N	25.572	E	10	G			0.7	5	CRETE. MD 3.6 (ATH).
15	00	09	29.0&	15.103	N	94.209	W	22					9	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.4 (UNM).
15	00	18	01.4&	18.710	N	66.860	W	74					6	PUERTO RICO REGION. <MPR>. MD 2.9 (MPR).
15	00	41	08.5	26.778	N	55.152	E	33	N	4.4		0.9	39	SOUTHERN IRAN
15	01	07	02.5?	4.96	S	152.66	E	127	*	4.2		1.5	7	NEW BRITAIN REGION, P.N.G.
15	01	25	59.7?	36.31	N	8.24	W	10	G			0.9	19	WEST OF GIBRALTAR. mbLg 2.2 (MDD).
15	01	46	25.0*	33.724	N	137.334	E	344	*			1.1	10	NEAR S. COAST OF HONSHU, JAPAN
15	02	02	34.9*	5.844	S	150.930	E	56	*	4.2		1.1	15	NEW BRITAIN REGION, P.N.G.
15	02	05	22.5?	1.92	N	124.34	E	178	*	4.4		1.3	14	MINAHASSA PENINSULA, SULAWESI
15	02	27	46.3*	36.461	N	70.048	E	220	*	4.3		0.9	12	HINDU KUSH REGION, AFGHANISTAN
15	03	06	42.7&	43.600	N	6.600	E	2					4	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 1.8 (LDG).
15	04	07	05.3*	16.287	S	172.665	W	33	N	4.7	4.9	1.3	41	SAMOA ISLANDS REGION. Mw 5.3 (HRV).
														Centroid, Moment Tensor (HRV): Centroid origin time 04:07:08.8; Lat 16.15 S; Lon 172.30 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.48, Plg=58, Azm=238; (N) Val=0.43, Plg=18, Azm=359; (P) Val=-8.91, Plg=25, Azm=98; Best double couple: Mo=8.7*10**16 Nm; NP1: Strike=222, Dip=25, Slip=135; NP2: Strike=354, Dip=73, Slip=71.
15	05	48	57.0*	21.562	N	143.385	E	286	?	4.0		1.1	18	MARIANA ISLANDS REGION
15	05	49	44.9&	43.953	N	7.621	E	10					37	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.8 (GEN), 2.7 (STR), 2.6 (LDG).
15	06	01	24.8*	6.343	S	149.029	E	60	?	4.0		0.6	10	NEW BRITAIN REGION, P.N.G.
15	06	16	02.0	6.100	S	149.796	E	58		4.6		0.7	30	NEW BRITAIN REGION, P.N.G.
15	06	27	38.6&	31.531	S	69.361	W	38					9	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.6 (GUC).
15	06	36	29.1&	18.560	N	67.870	W	94					5	MONA PASSAGE. <MPR>. MD 3.1 (MPR).
15	06	47	20.2*	18.910	N	145.290	E	303	?	4.3		1.1	46	MARIANA ISLANDS
15	09	51	42.0	12.274	S	166.968	E	223	D	4.6		0.9	92	SANTA CRUZ ISLANDS
15	09	54	12.9&	43.958	N	7.624	E	12					5	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 1.6 (GEN).
15	10	49	48.5*	36.804	N	142.310	E	10	G			0.7	5	OFF EAST COAST OF HONSHU, JAPAN
15	12	23	10.8&	42.560	N	19.196	E	4					6	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.9 (PDG).
15	14	31	09.5	26.485	N	44.635	W	10	G	4.6		1.0	36	NORTHERN MID-ATLANTIC RIDGE
15	14	45	24.1	8.200	S	119.634	E	164	*	4.7		0.9	24	FLORES REGION, INDONESIA
15	15	41	14.1*	9.055	S	119.210	E	33	N	4.0		0.9	9	SUMBA REGION, INDONESIA
15	16	12	04.2&	63.251	N	151.080	W	6					8	CENTRAL ALASKA. <AEIC>. ML 2.3 (AEIC), 2.8 (PMR).
15	16	15	10.3	9.028	S	123.940	E	52	*	4.6		0.9	29	TIMOR REGION, INDONESIA
15	16	31	47.5&	33.182	S	70.863	W	8					7	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
15	17	33	02.5&	32.518	S	71.685	W	28					8	NEAR COAST OF CENTRAL CHILE. <GUC>.
15	20	15	08.3*	38.857	N	35.489	E	10	G	4.2		1.0	38	TURKEY
15	20	51	59.6&	41.918	N	20.025	E	19					7	ALBANIA. <PDG>. ML 2.2 (PDG).
15	20	57	15.1	43.976	N	7.623	E	10	G			0.4	11	NEAR SOUTH COAST OF FRANCE. ML 1.8 (GEN), 1.6 (LDG)

15	21	15	39.4&	10.625	N	62.473	W	74				5	NEAR COAST OF VENEZUELA. <TRN>. MD 3.2 (TRN).
15	21	16	06.2*	11.623	S	118.030	E	33	N	3.4	1.4	5	SOUTH OF SUMBAWA, INDONESIA
15	21	36	51.3*	34.431	N	141.660	E	33	N		0.6	9	OFF EAST COAST OF HONSHU, JAPAN
15	21	55	16.8*	34.530	N	141.759	E	33	N		1.1	7	OFF EAST COAST OF HONSHU, JAPAN
15	22	33	02.2&	21.597	N	94.255	E	100	G		0.9	10	MYANMAR
15	22	34	52.1*	12.243	N	125.118	E	33	N	4.3	0.7	12	SAMAR, PHILIPPINE ISLANDS
15	23	35	49.6&	32.993	S	71.264	W	53				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
15	23	42	28.3&	33.263	S	70.132	W	110				10	CHILE-ARGENTINA BORDER REGION. <GUC>.
15	23	42	48.8	33.255	S	70.160	W	118		4.6	0.4	22	CHILE-ARGENTINA BORDER REGION. MD 4.4 (GUC). Felt (II) at Quillota and Santiago, Chile.
15	23	50	09.0	19.010	N	98.558	W	10	G		1.1	6	CENTRAL MEXICO. MD 3.8 (UNM).
16	00	18	45.0	31.287	N	131.286	E	42	D	5.5 5.6	0.9	229	KYUSHU, JAPAN. Mw 6.0 (GS), 6.0 (HRV). Me 5.3 (GS). Felt (IV JMA) at Kanoya and Nango. Felt (III JMA) in much of northern Kagoshima and southern Miyazaki; (II JMA) in parts of Kumamoto and Oita Prefectures. Felt in much of Kyushu. Also felt (I JMA) in western Ehime Prefecture, Shikoku. Broadband Source Parameters (GS): Dep 30; NP1: Strike=225, Dip=85, Slip=-95; NP2: Strike=90, Dip=7, Slip=-45; Radiated energy 1.7*10**12 Nm. Moment Tensor (GS): Dep 27; Principal axes (scale 10**18 Nm): (T) Val=1.08, Plg=52, Azm=298; (N) Val=-0.17, Plg=20 Azm=56; (P) Val=-0.91, Plg=31, Azm=159; Best double couple. Mo=9.9*10**17 Nm; NP1: Strike=295, Dip=24, Slip=151; NP2. Strike=52, Dip=79, Slip=69. Centroid, Moment Tensor (HRV): Centroid origin time 00:18:48.6; Lat 31.17 N; Lon 131.54 E; Dep 27.0 Bdy; Half-duration 2.6 sec; Principal axes (scale 10**18 Nm): (T) Val=1.16, Plg=56, Azm=324; (N) Val=0.06, Plg=6, Azm=225. (P) Val=-1.22, Plg=33, Azm=131; Best double couple: Mo=1.2*10**18 Nm; NP1: Strike=198, Dip=13, Slip=63; NP2: Strike=46, Dip=78, Slip=96.
16	00	22	02.7*	2.413	S	12.273	W	10	G	4.6	1.1	16	NORTH OF ASCENSION ISLAND
16	02	02	37.7&	32.737	S	71.892	W	30				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
16	03	37	30.0?	40.10	N	77.98	E	33	N	3.7	1.5	8	KYRGYZSTAN-XINJIANG BORDER REG.
16	03	47	39.4&	33.256	S	70.201	W	111				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
16	03	54	33.6	0.696	N	125.882	E	33	N	4.8	0.7	21	NORTHERN MOLUCCA SEA
16	03	59	47.6	44.093	N	7.369	E	10	G		1.2	10	NORTHERN ITALY. ML 1.9 (STR), 1.6 (LDG).
16	04	13	49.2	46.469	N	3.448	E	10	G		0.8	9	FRANCE. ML 1.6 (LDG).
16	05	10	26.8&	18.570	N	66.670	W	17				6	PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
16	05	36	18.5&	8.860	S	112.900	E	89				8	JAWA, INDONESIA. <DJA>.
16	05	54	03.4&	55.279	N	135.036	W	10	G	4.6		110	OFF COAST OF SOUTHEASTERN ALASKA. <PGC-P>. ML 4.5 (PGC). 4.6 (PMR), 4.2 (AEIC).
16	06	13	45.0&	59.962	N	153.027	W	120				46	SOUTHERN ALASKA. <AEIC>.
16	06	30	18.8?	50.79	N	179.83	W	33	N	3.9	1.1	7	ANDREANOF ISLANDS, ALEUTIAN IS.
16	06	38	19.5&	33.416	S	72.176	W	11				10	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
16	09	28	34.3	70.675	N	14.773	W	10	G	4.6 4.8	0.9	96	JAN MAYEN ISLAND REGION. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 09:28:37.1; Lat 70.51 N; Lon 14.53 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.08, Plg=21, Azm=290; (N) Val=0.68, Plg=12, Azm=196; (P) Val=-5.76, Plg=65, Azm=78; Best double couple: Mo=5.4*10**16 Nm; NP1: Strike=42, Dip=26, Slip=-61; NP2 Strike=190, Dip=67, Slip=-103.
16	09	40	37.6&	62.404	N	150.883	W	88				53	CENTRAL ALASKA. <AEIC>.
16	10	16	46.4*	51.075	N	15.803	E	10	G		1.1	5	POLAND. ML 3.2 (VIE).
16	10	21	21.0	30.831	S	71.501	W	47	D	4.6	1.0	33	NEAR COAST OF CENTRAL CHILE. MD 4.8 (GUC). Felt (Iv) at Ovalle; (III) at Combarbala, Hurtado, Monte Patria and Punitaqui; (II) at La Serena.
16	10	35	11.1	34.518	N	141.482	E	33	N	4.6	0.9	46	OFF EAST COAST OF HONSHU, JAPAN
16	10	45	11.7&	31.919	S	70.211	W	110				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.8 (GUC).
16	10	45	34.1&	35.848	N	89.936	W	8				8	TENNESSEE. <TEIC>. MD 2.0 (TEIC). mbLg 2.4 (GS)
16	11	15	08.6*	70.743	N	15.062	W	10	G	3.7	0.8	10	JAN MAYEN ISLAND REGION
16	11	24	19.8?	15.66	S	70.41	W	216	*	3.6	0.4	6	SOUTHERN PERU
16	12	32	25.8&	44.400	N	7.600	E	2				4	NORTHERN ITALY. <LDG>. ML 2.2 (LDG).
16	13	14	47.1&	34.973	S	70.351	W	0				9	CHILE-ARGENTINA BORDER REGION. <GUC>.
16	13	30	41.6*	21.618	N	143.247	E	300	G	3.7	1.1	19	MARIANA ISLANDS REGION
16	13	41	45.6	48.649	N	156.113	E	33	N	5.0 4.2	0.9	149	EAST OF KURIL ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:41:39.5; Lat 48.62 N; Lon 156.87 E; Dep 47.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.76, Plg=55, Azm=326; (N) Val=-1.24, Plg=5, Azm=229; (P) Val=-5.52, Plg=34, Azm=135; Best double couple: Mo=6.1*10**16 Nm; NP1: Strike=203, Dip=12, Slip=64; NP2: Strike=49, Dip=79, Slip=95.
16	15	16	54.2	1.162	N	126.014	E	33	N	4.7 4.2	0.9	30	NORTHERN MOLUCCA SEA
16	15	18	00.2	1.262	N	126.682	E	33	N	5.1	1.2	33	NORTHERN MOLUCCA SEA. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:18:01.3; Lat 1.24 N; Lon 126.41 E; Dep 69.5; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.04, Plg=32, Azm=42; (N) Val=-0.19, Plg=57, Azm=229; (P) Val=-0.85, Plg=3, Azm=134; Best double couple: Mo=9.4*10**16 Nm; NP1: Strike=183, Dip=65, Slip=22; NP2: Strike=84, Dip=70, Slip=154.
16	15	35	09.1	11.697	S	118.042	E	33	N	4.3	0.8	7	SOUTH OF SUMBAWA, INDONESIA
16	15	40	12.6&	43.156	N	19.317	E	10				7	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.8 (PDG).
16	15	53	04.4	1.229	N	126.261	E	33	N	5.0	1.0	57	NORTHERN MOLUCCA SEA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 15:53:07.4; Lat 1.58 N; Lon 126.72 E; Dep 25.1; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.99, Plg=44, Azm=63; (N) Val=0.24, Plg=27, Azm=182; (P) Val=-8.23, Plg=34, Azm=292; Best double couple: Mo=8.1*10**16 Nm; NP1: Strike=78, Dip=28, Slip=168; NP2. Strike=179, Dip=84, Slip=63.

16	16	00	01.5*	26.369	S	27.584	E	5	G		1.0	8	REPUBLIC OF SOUTH AFRICA
16	16	14	57.5	1.178	N	126.263	E	33	N	5.2 4.4	1.0	52	NORTHERN MOLUCCA SEA. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:15:06.3; Lat 1.11 N; Lon 125.91 E; Dep 30.7; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=2.83, Plg=47, Azm=34; (N) Val=-0.21, Plg=2, Azm=127; (P) Val=-2.62, Plg=42, Azm=218; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=345, Dip=3, Slip=129; NP2: Strike=126, Dip=87, Slip=88.
16	16	17	47.4&	59.504	N	152.776	W	81				47	SOUTHERN ALASKA. <AEIC>.
16	17	30	46.1&	31.207	S	70.531	W	10				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.8 (GUC).
16	17	45	05.4	1.120	N	126.175	E	33	N	5.9 5.8	1.1	158	NORTHERN MOLUCCA SEA. Mw 6.2 (HRV), 6.0 (GS). Felt (IV) at Bitung, Manado and Tondano; (III) on Ternate, Indonesia Moment Tensor (GS): Dep 27; Principal axes (scale 10**17 Nm): (T) Val=9.87, Plg=57, Azm=39; (N) Val=-0.37, Plg=26, Azm=180; (P) Val=-9.50, Plg=18, Azm=279; Best double couple: Mo=9.7*10**17 Nm; NP1: Strike=44, Dip=36, Slip=139; NP2: Strike=168, Dip=68, Slip=61. Centroid, Moment Tensor (HRV): Centroid origin time 17:45:12.6; Lat 1.15 N; Lon 126.08 E; Dep 22.5; Half-duration 2.7 sec; Principal axes (scale 10**18 Nm): (T) Val=2.20, Plg=50, Azm=27; (N) Val=-0.56, Plg=38, Azm=185; (P) Val=-1.64, Plg=11, Azm=284; Best double couple: Mo=1.9*10**18 Nm; NP1: Strike=51, Dip=48, Slip=147; NP2: Strike=165, Dip=66, Slip=47. Scalar Moment (PPT): Mo=4.1*10**18 Nm.
16	17	52	55.3*	1.206	N	126.625	E	33	N	4.7	1.2	20	NORTHERN MOLUCCA SEA
16	18	27	47.9*	13.830	N	144.445	E	33	N		0.7	8	MARIANA ISLANDS
16	18	51	57.8&	10.973	N	62.294	W	124				12	NEAR COAST OF VENEZUELA. <TRN>. MD 3.8 (TRN).
16	19	11	25.9&	62.201	N	148.258	W	38				45	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 2.9 (PMR).
16	19	18	50.0&	39.720	N	110.740	W	2				10	UTAH. <SLC-P>. ML 2.8 (SLC).
16	19	24	53.4&	43.100	N	0.400	W	2				12	PYRENEES. <LDG>. ML 2.8 (STR), 2.6 (LDG).
16	20	10	04.3&	32.641	S	71.288	W	48				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
16	20	26	27.4	40.634	N	0.307	E	10	G		0.8	19	SPAIN. ML 2.7 (LDG). mbLg 2.5 (MDD).
16	20	41	47.3	42.798	N	18.012	E	10	G		0.8	11	NORTHWESTERN BALKAN REGION. ML 2.8 (PDG).
16	21	05	19.8	3.519	S	127.517	E	33	N	4.5	1.1	26	SERAM, INDONESIA
16	21	37	38.9&	37.210	N	21.200	E	5				10	SOUTHERN GREECE. <ATH>. ML 3.7 (ATH).
16	22	08	20.9	42.430	N	19.367	E	10	G		0.9	10	NORTHWESTERN BALKAN REGION. ML 2.7 (PDG).
17	00	00	55.6&	45.600	N	7.800	E	2				5	NORTHERN ITALY. <LDG>. ML 1.8 (LDG).
17	00	24	04.9*	13.729	N	120.809	E	200	G	4.6	0.9	14	MINDORO, PHILIPPINE ISLANDS
17	01	02	05.8&	43.000	N	0.200	W	2				8	PYRENEES. <LDG>. ML 2.7 (STR), 2.3 (LDG).
17	01	05	17.1&	47.600	N	1.400	W	13				7	FRANCE. <LDG>. ML 2.0 (LDG).
17	01	06	31.0&	49.150	N	6.880	E	1	G			6	GERMANY. <FBB>. ML 1.9 (FBB), 1.6 (UCC).
17	01	17	44.7&	43.100	N	0.900	W	2				9	PYRENEES. <LDG>. ML 2.0 (LDG).
17	01	30	06.5	49.839	N	18.423	E	10	G		0.8	12	CZECH AND SLOVAK REPUBLICS. ML 3.6 (WAR), 3.0 (VIE).
17	01	49	02.3&	36.037	N	117.583	W	0				35	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.3 (PAS).
17	02	22	24.5&	31.193	S	71.573	W	38				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
17	02	53	40.7*	18.323	S	177.945	W	550	G	4.9	1.1	53	FIJI ISLANDS REGION
17	03	01	05.9&	32.053	N	115.436	W	6	G			3	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.0 (PAS). MD 3.3 (ECX).
17	03	25	20.7&	17.015	N	62.262	W	123		4.5		43	LEEWARD ISLANDS. <TRN>. MD 3.9 (TRN).
17	03	59	22.2?	51.45	N	16.04	E	5	G		0.6	4	POLAND. ML 2.9 (VIE).
17	04	23	58.7*	44.345	N	9.670	E	10	G		0.7	10	NORTHERN ITALY. ML 2.2 (LDG).
17	05	29	17.0&	49.150	N	6.880	E	1	G			7	GERMANY. <FBB>. ML 2.0 (FBB), 1.9 (UCC).
17	05	37	46.3?	1.54	N	127.13	E	33	N	4.5	0.4	13	HALMAHERA, INDONESIA
17	05	39	26.0&	39.950	N	120.870	W	5				9	NORTHERN CALIFORNIA. <REN-P>. MD 2.6 (REN). ML 3.3 (BRK). 3.2 (GS). Felt at Quincy.
17	05	54	40.2&	55.030	N	159.590	W	16				14	ALASKA PENINSULA. <AEIC>. ML 2.7 (AEIC).
17	06	05	03.3*	6.895	S	129.969	E	100	G	4.1	1.3	10	BANDA SEA
17	06	17	21.1*	32.730	S	138.027	E	10	G		1.4	5	NEAR SOUTH COAST OF AUSTRALIA
17	06	35	18.9	46.208	N	15.343	E	10	G		0.2	7	NORTHWESTERN BALKAN REGION. ML 2.1 (LJU).
17	07	17	38.8	19.152	N	146.322	E	127	*	4.5	0.7	24	MARIANA ISLANDS REGION
17	07	17	47.8&	32.996	S	70.931	W	71				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
17	07	20	12.3	16.956	N	85.800	W	33	N	5.0 4.8	1.1	159	CARIBBEAN SEA. Mw 5.6 (HRV). MD 5.1 (UNM). Felt at La Ceiba, Honduras. Centroid, Moment Tensor (HRV): Centroid origin time 07:20:13.8; Lat 17.09 N; Lon 85.89 W; Dep 23.7; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.57, Plg=8, Azm=297; (N) Val=0.36, Plg=80, Azm=153; (P) Val=-2.93, Plg=6, Azm=28; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=73, Dip=80, Slip=2; NP2: Strike=343, Dip=88, Slip=170.
17	07	37	30.6&	63.626	N	149.768	W	128				53	CENTRAL ALASKA. <AEIC>.
17	07	50	09.9&	44.362	N	7.234	E	10				4	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
17	08	06	17.0*	13.147	S	167.115	E	203	?	3.9	0.7	17	VANUATU ISLANDS
17	09	27	17.2&	54.091	N	164.063	W	22				30	UNIMAK ISLAND REGION. <AEIC>. ML 3.4 (AEIC).
17	09	38	00.0&	15.709	N	96.542	W	31				9	NEAR COAST OF OAXACA, MEXICO. <UNM>. MD 4.2 (UNM).
17	10	05	15.7&	33.954	S	70.099	W	13				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
17	10	32	12.8&	37.524	N	118.799	W	7				38	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 3.9 (BRK). ML 3.9 (GM). ML 4.1 (BRK). Moment Tensor (BRK): Dep 8; Principal axes (scale 10**14 Nm): (T) Val=7.14, Plg=20, Azm=81; (N) Val=0.00, Plg=69, Azm=271; (P) Val=-7.14, Plg=3, Azm=172; Best double couple: Mo=7.1*10**14 Nm; NP1: Strike=125, Dip=78, Slip=163; NP2: Strike=219, Dip=73, Slip=13.
17	12	03	16.3?	52.59	N	159.42	E	33	N		0.8	6	OFF EAST COAST OF KAMCHATKA
17	12	16	44.2&	33.321	S	70.154	W	10				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
17	12	17	55.5&	11.501	N	61.805	W	27				5	WINDWARD ISLANDS. <TRN>. MD 3.1 (TRN).
17	12	19	49.7	51.582	N	16.236	E	5	G		0.7	24	POLAND. ML 3.9 (GRF), 3.6 (VIE).
17	12	35	46.7*	5.118	S	144.872	E	33	N	3.8	1.4	8	NEW GUINEA, PAPUA NEW GUINEA
17	12	49	38.2	35.956	N	141.288	E	38	D	5.0 4.7	0.8	121	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV). Felt (II JMA) in much of Ibaraki Prefecture. Felt (I JMA) in northern Chiba, eastern Fukushima, northeastern Gumma,

													eastern Saitama, parts of Kanagawa and Tochigi Prefectures. Also felt (I JMA) in the Tokyo area. Centroid, Moment Tensor (HRV): Centroid origin time 12:49:39.2; Lat 35.86 N; Lon 141.60 E; Dep 33.6; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.36, Plg=56, Azm=269; (N) Val=-0.40, Plg=12, Azm=17; (P) Val=-7.96, Plg=32, Azm=114; Best double couple: Mo=8.2*10**16 Nm; NP1: Strike=240, Dip=17, Slip=134; NP2: Strike=14, Dip=78, Slip=78.
17	13	07	54.7*	49.056	N	13.707	E	10	G		1.4	5	CZECH AND SLOVAK REPUBLICS. ML 2.5 (VIE).
17	13	11	35.4	8.316	S	118.549	E	183	D	5.0	1.0	94	SUMBAWA REGION, INDONESIA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:11:38.4; Lat 8.39 S; Lon 118.98 E; Dep 177.4; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=1.87, Plg=59, Azm=292; (N) Val=-0.43, Plg=30, Azm=120; (P) Val=-1.44, Plg=3, Azm=28; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=90, Dip=49, Slip=48; NP2: Strike=324, Dip=55, Slip=128.
17	13	24	20.7&	85.663	N	27.472	E	10	G		1.2	6	NORTH OF SVALBARD
17	13	55	55.1	10.135	S	161.021	E	33	N	4.9 4.6	1.0	40	SOLOMON ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 13:56:04.5; Lat 10.72 S; Lon 160.66 E; Dep 43.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.90, Plg=40, Azm=174; (N) Val=0.80, Plg=25, Azm=287; (P) Val=-8.69, Plg=39, Azm=40; Best double couple: Mo=8.3*10**16 Nm; NP1: Strike=196, Dip=26, Slip=104; NP2: Strike=287, Dip=90, Slip=65.
17	14	00	52.4&	37.397	N	118.910	W	7				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.0 (BRK).
17	14	30	41.3&	18.150	N	67.260	W	24				4	MONA PASSAGE. <MPR>. MD 2.6 (MPR).
17	15	00	46.7&	40.637	N	122.410	W	22				7	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK).
17	15	10	46.1?	37.60	S	178.45	E	33	N	4.1	0.9	8	OFF E. COAST OF N. ISLAND, N.Z.
17	15	12	49.9&	45.036	N	6.894	E	5				11	FRANCE. <GEN>. ML 1.9 (GEN).
17	16	11	15.1?	7.35	S	126.38	E	270	?		0.7	8	BANDA SEA
17	16	56	21.6&	59.168	N	152.437	W	71				68	SOUTHERN ALASKA. <AEIC>.
17	17	25	55.6?	2.10	S	124.96	E	33	N	4.6	1.1	12	CERAM SEA
17	17	28	09.3?	8.16	S	115.66	E	33	N		0.8	4	BALI REGION, INDONESIA
17	17	49	25.4&	17.740	N	68.690	W	90				7	MONA PASSAGE. <MPR>. MD 3.8 (MPR).
17	18	53	32.6	6.500	S	146.740	E	58		4.0	1.0	17	EASTERN NEW GUINEA REG., P.N.G.
17	19	08	41.4&	43.951	N	7.623	E	10				8	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.1 (GEN).
17	19	20	16.3*	13.466	S	175.598	E	33	N	4.3	0.8	19	FIJI ISLANDS REGION
17	19	35	31.3?	8.20	S	115.55	E	10	G		0.8	4	BALI REGION, INDONESIA
17	19	36	24.0&	47.580	N	7.760	E	18				67	SWITZERLAND. <FBB>. ML 3.4 (GRF), 3.2 (LDG), 3.0 (VIE), 2.9 (FBB). Felt (III) in the epicentral area.
17	19	39	19.3&	43.955	N	7.626	E	10				17	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.2 (LDG), 2.1 (GEN), 2.0 (STR).
17	19	49	47.3&	43.963	N	7.606	E	2				13	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 1.9 (LDG), 1.8 (GEN), 1.5 (STR).
17	19	58	42.7?	18.06	S	178.04	W	600	G	4.6	1.2	14	FIJI ISLANDS REGION
17	20	10	05.3	17.231	N	122.494	E	33	N	4.8	1.1	43	LUZON, PHILIPPINE ISLANDS
17	20	26	50.5&	37.010	N	2.410	W	0	G			8	SPAIN. <MDD>. mbLg 2.2 (MDD).
17	20	48	37.3*	43.865	N	146.860	E	100	G	3.9	0.9	15	KURIL ISLANDS
17	21	41	11.4&	60.552	N	149.260	W	31				65	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
17	22	22	35.6&	38.950	N	0.080	W	11				39	SPAIN. <MDD>. ML 3.3 (LDG). mbLg 2.9 (MDD). Felt at Gandia, Oliva and Tabernes de Valldigna, (III) at Pego and (II) at Ondara.
17	22	33	22.6&	43.951	N	7.629	E	9				25	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.2 (GEN), 1.8 (STR), 1.8 (LDG).
17	22	50	44.2&	43.955	N	7.617	E	10				7	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.0 (GEN).
17	22	54	19.1&	40.636	N	122.405	W	23				5	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
17	23	08	22.2&	32.970	S	70.462	W	89				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
17	23	33	10.7?	14.12	N	92.46	W	54	?	3.9	1.1	18	NEAR COAST OF CHIAPAS, MEXICO
17	23	35	35.9&	10.962	N	62.074	W	73				4	NEAR COAST OF VENEZUELA. <TRN>. MD 2.9 (TRN).
17	23	54	38.2*	32.476	S	138.424	E	10	G		1.1	5	NEAR SOUTH COAST OF AUSTRALIA
18	00	45	58.8	24.754	S	179.909	E	500	G	4.3	1.0	36	SOUTH OF FIJI ISLANDS
18	00	46	45.7?	24.94	S	179.88	E	500	G	4.2	1.2	11	SOUTH OF FIJI ISLANDS
18	00	47	08.5&	19.162	N	98.639	W	1				7	CENTRAL MEXICO. <UNM>. MD 3.7 (UNM).
18	01	16	37.1?	1.16	N	125.97	E	33	N	4.5	0.9	11	NORTHERN MOLUCCA SEA
18	01	27	43.0*	36.274	N	140.832	E	74	?		0.7	10	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in Ibaraki and parts of Fukushima and Tochigi Prefectures.
18	01	45	06.9?	10.67	N	86.04	W	33	N	4.3	1.3	15	OFF COAST OF COSTA RICA
18	01	57	35.5*	1.976	S	124.482	E	65	?	4.2	1.1	10	SOUTHERN MOLUCCA SEA
18	02	12	51.0&	49.160	N	6.820	E	1	G			7	GERMANY. <FBB>. ML 1.9 (FBB), 1.7 (UCC).
18	02	35	53.0*	27.891	N	128.136	E	33	N	3.9	1.0	9	RYUKYU ISLANDS
18	02	49	19.3	14.791	N	145.431	E	142	*	4.7	1.0	42	MARIANA ISLANDS
18	03	32	37.9*	8.685	S	146.671	E	47	*	4.2	1.1	12	EASTERN NEW GUINEA REG., P.N.G.
18	03	49	10.8	64.317	N	17.474	W	10	G	4.4	0.9	30	ICELAND
18	04	41	32.3*	50.345	N	18.809	E	5	G		0.8	5	POLAND. ML 3.0 (VIE), 2.9 (WAR).
18	04	45	17.6&	11.150	N	62.140	W	58				4	WINDWARD ISLANDS. <TRN>. MD 2.9 (TRN).
18	05	15	56.8&	34.451	S	70.593	W	114				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
18	05	29	17.9&	43.953	N	7.618	E	10				8	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 1.7 (GEN).
18	05	46	16.9&	43.952	N	7.621	E	10				16	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.2 (LDG), 1.9 (GEN), 1.9 (STR).
18	05	58	15.1	54.857	N	162.728	E	33	N	4.5	0.8	24	NEAR EAST COAST OF KAMCHATKA
18	06	11	29.6&	43.952	N	7.607	E	7				16	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.1 (LDG), 1.9 (STR), 1.8 (GEN).
18	06	17	36.2	23.446	S	179.198	E	550	G	4.2	0.8	26	SOUTH OF FIJI ISLANDS
18	07	12	42.3*	5.210	S	152.937	E	33	N		0.5	7	NEW BRITAIN REGION, P.N.G
18	07	22	19.5&	32.983	S	68.623	W	5				12	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 4.3 (GUC).
18	07	30	47.3&	45.500	N	6.500	E	2				6	FRANCE. <LDG>. ML 1.7 (LDG).
18	07	36	38.1*	5.075	S	152.637	E	63	*		0.7	11	NEW BRITAIN REGION, P.N.G.
18	08	27	19.1&	16.151	N	98.069	W	3				21	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.4 (UNM).
18	08	48	12.1*	32.952	S	68.647	W	10	G		0.8	11	MENDOZA PROVINCE, ARGENTINA. MD 2.7 (GUC).

18	09	38	59.1&	33.638	N	119.075	W	6	G			38	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS).
18	09	40	11.2*	46.703	N	153.674	E	33	N	4.7	1.3	26	KURIL ISLANDS
18	10	08	34.2	30.173	N	129.968	E	124		4.7	1.1	39	KYUSHU, JAPAN
18	10	10	40.0?	20.00	S	173.96	W	100	G	4.3	0.7	14	TONGA ISLANDS
18	10	51	45.8&	44.300	N	7.600	E	6				12	NORTHERN ITALY. <LDG>. ML 2.3 (LDG), 2.1 (STR).
18	12	39	44.6&	34.110	N	116.921	W	4				10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
18	13	27	44.8&	60.119	N	153.098	W	120				5	SOUTHERN ALASKA. <AEIC>.
18	13	28	58.9&	32.787	S	70.478	W	11				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
18	14	02	48.1	46.596	N	9.238	E	10	G		0.7	18	SWITZERLAND. ML 2.4 (LDG).
18	14	17	17.1&	47.660	N	7.760	E	10	G			9	SWITZERLAND. <STR>. ML 2.0 (FBB), 1.7 (STR).
18	14	22	15.3*	1.844	S	124.551	E	33	N	4.2	1.1	12	SOUTHERN MOLUCCA SEA
18	14	25	53.5&	18.560	N	66.810	W	90				7	PUERTO RICO REGION. <MPR>. MD 3.1 (MPR).
18	14	28	37.4	44.822	N	28.103	W	10	G	4.8 4.7	1.0	126	NORTHERN MID-ATLANTIC RIDGE. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 14:28:40.1; Lat 44.44 N; Lon 28.21 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=1.27, Plg=28, Azm=299; (N) Val=0.05, Plg=22, Azm=41. (P) Val=-1.32, Plg=54, Azm=164; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=348, Dip=26, Slip=-147. NP2: Strike=227, Dip=76, Slip=-68.
18	14	29	48.4	51.704	N	16.154	E	5	G		0.6	24	POLAND. ML 4.1 (GRF), 3.7 (VIE).
18	14	47	02.5*	8.585	N	39.287	W	10	G	4.7	1.0	21	CENTRAL MID-ATLANTIC RIDGE
18	15	21	13.2&	50.060	N	8.260	E	10	G			42	GERMANY. <STR>. ML 3.3 (LDG), 3.2 (VIE), 3.0 (STR), 2.9 (UCC).
18	15	36	15.6?	17.20	S	167.70	E	33	N	4.7	0.8	8	VANUATU ISLANDS
18	15	52	02.6*	27.888	N	128.376	E	47	*	4.3	1.4	13	RYUKYU ISLANDS
18	16	01	04.1*	8.795	N	39.079	W	10	G	4.7	1.2	17	CENTRAL MID-ATLANTIC RIDGE
18	16	26	27.4&	30.688	S	71.936	W	16				6	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
18	16	35	28.3&	33.007	S	71.127	W	50				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
18	16	41	32.3&	19.132	N	104.565	W	6				6	NEAR COAST OF JALISCO, MEXICO. <UNM>. MD 3.9 (UNM).
18	16	47	51.0&	61.967	N	147.400	W	37				78	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC), 3.5 (PMR).
18	17	12	47.1?	8.49	N	39.24	W	10	G	4.5	1.0	7	CENTRAL MID-ATLANTIC RIDGE
18	17	46	58.4*	9.231	S	119.843	E	142	*	4.0	1.0	11	SUMBA REGION, INDONESIA
18	17	58	26.9*	2.256	S	69.298	E	10	G	4.8	1.0	17	CARLSBERG RIDGE
18	18	19	46.4*	24.661	N	128.080	E	33	N	4.5	1.2	22	SOUTHEAST OF RYUKYU ISLANDS
18	18	38	28.7*	36.568	N	70.244	E	200	G		1.4	10	HINDU KUSH REGION, AFGHANISTAN
18	18	40	34.1*	2.431	N	127.326	E	33	N	4.8	1.0	24	NORTHERN MOLUCCA SEA
18	18	47	40.1*	10.221	S	124.428	E	10	G		1.3	8	TIMOR REGION, INDONESIA
18	19	02	10.1&	63.272	N	151.085	W	10				57	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.2 (PMR).
18	19	08	58.6&	43.900	N	7.700	E	2				4	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 1.6 (LDG).
18	19	35	22.3?	40.39	S	173.73	E	200	G		0.9	10	COOK STRAIT, NEW ZEALAND
18	20	49	39.7	1.187	N	126.138	E	33	N	5.4 4.4	0.9	108	NORTHERN MOLUCCA SEA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:49:42.5; Lat 1.04 N; Lon 126.52 E; Dep 18.0; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.73, Plg=73, Azm=352; (N) Val=-0.91, Plg=14, Azm=209; (P) Val=-6.82, Plg=10, Azm=117; Best double couple: Mo=7.3*10**16 Nm; NP1: Strike=190, Dip=37, Slip=67; NP2: Strike=39, Dip=56, Slip=107.
18	21	27	14.7&	43.900	N	7.700	E	2				4	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 1.7 (LDG).
18	22	07	44.1&	36.620	N	5.860	W	9				6	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.9 (MDD).
18	22	19	35.1	27.821	N	128.323	E	33	N	4.0	0.8	11	RYUKYU ISLANDS
18	22	55	09.7&	17.096	N	94.967	W	108				5	CHIAPAS, MEXICO. <UNM>. MD 3.8 (UNM).
18	23	20	37.4&	38.300	N	4.000	W	2				16	SPAIN. <MDD>. mbLg 2.9 (MDD).
18	23	59	05.3&	44.099	N	7.880	E	10				7	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
19	00	20	39.3	9.985	N	122.187	E	33	N	4.7 4.0	1.3	52	NEGROS, PHILIPPINE ISLANDS
19	01	15	16.3*	1.602	S	12.941	W	10	G	4.5	1.0	21	NORTH OF ASCENSION ISLAND
19	01	15	38.6*	1.446	S	13.096	W	10	G	4.9	1.3	17	NORTH OF ASCENSION ISLAND. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 01:15:41.3; Lat 1.52 S; Lon 13.07 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.57, Plg=13, Azm=60; (N) Val=2.87, Plg=22, Azm=325; (P) Val=-7.44, Plg=65, Azm=179; Best double couple: Mo=6.0*10**16 Nm; NP1: Strike=176, Dip=37, Slip=-53; NP2: Strike=313, Dip=61, Slip=-115.
19	01	38	10.2&	43.953	N	7.623	E	10				12	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 1.9 (LDG), 1.8 (GEN).
19	02	10	09.4&	61.312	N	151.160	W	64				72	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
19	03	35	39.5&	18.030	N	67.130	W	8				7	MONA PASSAGE. <MPR>. MD 3.0 (MPR).
19	03	44	28.3&	60.643	N	141.727	W	13				32	SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC), 2.6 (PGC).
19	04	16	29.5	4.178	S	142.957	E	100	G	4.0	1.1	15	NEW GUINEA, PAPUA NEW GUINEA
[illegible]	04	24	11.6&	16.396	N	98.977	W	17				6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).
[illegible]	04	[illegible]	[illegible]2	18.00	S	178.45	W	600	G	4.6	1.0	22	FIJI ISLANDS REGION
19	04	54	00.0*	36.769	N	50.788	E	10	G	4.3	1.3	20	NORTHERN IRAN
19	05	16	43.9&	38.620	N	0.570	W	3				6	SPAIN. <MDD>. mbLg 2.0 (MDD).
19	05	21	15.5&	42.609	N	19.060	E	13				8	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.6 (PDG).
19	05	25	29.1*	15.710	S	167.416	E	33	N	4.6	1.1	51	VANUATU ISLANDS
19	05	45	51.5&	42.468	S	172.405	E	33	N		0.7	5	SOUTH ISLAND, NEW ZEALAND. ML 3.6 (WEL).
19	06	09	17.8*	43.445	N	116.417	E	10	G		1.2	8	NORTHEASTERN CHINA
19	06	10	38.9&	43.957	N	7.615	E	7				12	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.0 (LDG), 1.8 (GEN).
19	06	11	49.8&	62.236	N	151.518	W	84				74	CENTRAL ALASKA. <AEIC>.
19	06	28	36.8*	2.612	S	135.150	E	33	N	4.2	0.9	8	IRIAN JAYA REGION, INDONESIA
19	06	41	38.7	45.941	N	14.874	E	10	G		0.5	6	NORTHWESTERN BALKAN REGION. ML 1.8 (VIE), 1.2 (LJU).
19	06	59	33.2&	41.588	N	20.135	E	9				7	ALBANIA. <PDG>. ML 3.0 (PDG).
19	07	12	34.7?	40.21	N	51.87	E	100	G	4.3	1.3	11	CASPIAN SEA
19	07	50	33.5*	33.907	S	179.544	E	250	G	4.3	1.0	19	SOUTH OF KERMADEC ISLANDS
19	08	32	07.8	6.590	S	152.864	E	33	N	5.0 4.4	1.2	61	NEW BRITAIN REGION, P.N.G. Mw 5.0 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:32:12.2; Lat 6.30 S; Lon 153.14 E; Dep 53.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=2.99, Plg=41, Azm=207; (N) Val=1.37, Plg=49, Azm=35. (P) Val=-4.37, Plg=4, Azm=300; Best double couple: Mo=3.7*10**16 Nm; NP1: Strike=352, Dip=59, Slip=28; NP2 Strike=246, Dip=66, Slip=146.

19	09	02	45.6*	29.724	S	71.858	W	10	G			1.2	19	NEAR COAST OF CENTRAL CHILE. MD 4.6 (GUC).
19	09	30	32.4	47.519	N	154.467	E	33	N	4.6		0.7	46	KURIL ISLANDS
19	09	45	37.5	23.827	N	125.546	E	33	N	4.7		1.4	41	SOUTHWESTERN RYUKYU ISLANDS
19	10	44	22.2&	47.300	N	0.800	W	2					5	FRANCE. <LDG>. ML 2.0 (LDG).
19	10	51	04.4*	23.755	N	125.477	E	33	N			1.5	10	SOUTHWESTERN RYUKYU ISLANDS
19	10	53	45.6&	46.200	N	7.600	E	2					14	SWITZERLAND. <LDG>. ML 2.2 (LDG), 1.9 (STR).
19	10	56	18.0*	21.214	S	65.690	W	300	G			1.1	13	SOUTHERN BOLIVIA
19	11	39	23.5&	60.537	N	151.408	W	55					30	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
19	11	53	55.2&	32.577	S	70.093	W	129					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.6 (GUC).
19	14	24	36.5	29.768	N	129.280	E	204		4.7		0.8	73	RYUKYU ISLANDS. Felt (I JMA) on Amami O-shima and in parts of Kagoshima Prefecture, Kyushu.
19	14	47	04.6&	38.640	N	0.450	W	11					16	SPAIN. <MDD>. mbLg 2.3 (MDD).
19	15	27	47.4&	32.031	S	71.466	W	28					9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
19	15	28	38.8*	57.794	S	25.531	W	33	N	4.4		0.7	15	SOUTH SANDWICH ISLANDS REGION
19	16	02	43.3&	33.616	S	71.949	W	27					12	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
19	16	15	19.4	40.024	N	42.010	E	33	N	4.7	4.4	1.0	131	TURKEY. Felt in the Erzurum-Karayazi area.
19	16	39	10.7&	16.626	N	99.740	W	2					7	NEAR COAST OF GUERRERO, MEXICO. <UNM> MD 3.6 (UNM)
19	16	51	18.4	1.109	N	126.207	E	33	N	4.8	4.2	0.9	36	NORTHERN MOLUCCA SEA
19	17	20	16.8*	26.766	N	54.895	E	33	N	4.3		0.9	15	SOUTHERN IRAN
19	17	46	34.5*	13.996	N	91.171	W	60	*	4.5		1.2	68	NEAR COAST OF GUATEMALA
19	17	57	14.7&	34.168	S	70.738	W	82					7	CHILE-ARGENTINA BORDER REGION. <GUC>.
19	18	19	16.8	37.868	N	20.171	E	10	G	4.2		1.3	40	IONIAN SEA. ML 4.0 (PDG), 3.9 (ATH)
19	18	30	54.2&	33.250	S	70.398	W	92					13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
19	18	51	26.8*	23.461	N	143.073	E	33	N	4.0		0.9	14	VOLCANO ISLANDS REGION
19	19	14	57.7*	1.793	N	126.077	E	33	N	4.4		0.7	12	NORTHERN MOLUCCA SEA
19	19	59	16.3*	17.794	S	178.803	W	600	G	4.7		0.9	25	FIJI ISLANDS REGION
19	20	06	42.6*	36.249	N	69.843	E	150	G	4.1		0.8	12	HINDU KUSH REGION, AFGHANISTAN
19	20	44	58.6*	12.574	N	125.038	E	33	N	4.5		1.3	23	SAMAR, PHILIPPINE ISLANDS
19	22	00	31.7	1.900	S	125.042	E	33	N	4.5		0.9	20	SOUTHERN MOLUCCA SEA
19	22	12	38.7&	40.220	N	21.340	E	5					7	GREECE. <ATH>. MD 2.8 (ATH).
19	22	39	49.5*	12.636	N	125.257	E	33	N	4.5		1.1	24	SAMAR, PHILIPPINE ISLANDS
19	22	52	38.8*	9.727	S	113.162	E	49	*	3.9		1.2	17	SOUTH OF JAWA, INDONESIA
19	22	55	32.2&	43.956	N	7.619	E	9					9	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 1.9 (GEN).
19	23	15	39.7&	37.980	N	21.860	E	5					11	SOUTHERN GREECE. <ATH>. ML 3.2 (ATH).
20	00	22	21.8	7.194	S	128.533	E	100	G	4.5		0.9	57	BANDA SEA
20	00	44	16.9	34.416	N	70.454	E	33	N	4.6		0.9	24	AFGHANISTAN
20	01	12	51.3*	56.554	S	26.662	W	100	G	4.9		1.2	18	SOUTH SANDWICH ISLANDS REGION
20	01	35	43.2&	36.377	S	71.785	W	103					12	CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
20	02	09	46.9&	43.947	N	7.621	E	11					26	NEAR SOUTH COAST OF FRANCE. <GEN>. ML 2.3 (GEN), 2.2 (LDG), 2.2 (STR).
20	02	18	22.4&	33.302	S	69.800	W	3					11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.3 (GUC).
20	02	34	46.5*	19.088	N	121.249	E	33	N	4.5		1.1	12	PHILIPPINE ISLANDS REGION
20	02	53	47.8	28.031	N	128.082	E	33	N	5.0		1.4	56	RYUKYU ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 02:53:45.6; Lat 28.06 N; Lon 127.86 E; Dep 20.7; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.84, Plg=13, Azm=324; (N) Val=-1.22, Plg=73, Azm=105; (P) Val=-7.62, Plg=10, Azm=232; Best double couple: Mo=8.2*10**16 Nm; NP1: Strike=8, Dip=78, Slip=178; NP2: Strike=98, Dip=88, Slip=17.
20	02	59	57.7&	36.780	N	8.090	W	16					5	WEST OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
20	03	10	29.8&	48.900	N	2.400	W	2					7	FRANCE. <LDG>. ML 2.8 (LDG).
20	03	15	12.9*	27.990	N	127.892	E	33	N	4.2		0.9	11	RYUKYU ISLANDS
20	03	21	14.7	38.591	N	40.002	E	10	G	4.5	4.6	1.2	56	TURKEY
20	04	29	33.7&	39.140	N	22.410	E	5					9	GREECE. <ATH>. ML 3.2 (ATH).
20	05	25	27.2&	39.510	N	20.490	E	5					6	GREECE-ALBANIA BORDER REGION. <ATH>. MD 2.9 (ATH).
20	06	05	03.5	0.576	N	126.059	E	33	N	4.6		0.9	23	NORTHERN MOLUCCA SEA
20	06	29	03.2	37.434	N	71.847	E	136	*	4.6		0.7	66	AFGHANISTAN-TAJIKISTAN BORD REG.
20	07	16	40.7*	51.105	N	169.892	W	33	N			1.4	9	FOX ISLANDS, ALEUTIAN ISLANDS
20	08	02	01.3	5.903	S	104.597	E	81	*	4.8		1.0	51	SOUTHERN SUMATERA, INDONESIA
20	08	20	52.7*	9.677	S	118.770	E	33	N	4.3		1.4	5	SUMBAWA REGION, INDONESIA
20	08	52	27.7&	33.524	S	71.006	W	66					10	NEAR COAST OF CENTRAL CHILE. <GUC>.
20	09	00	18.6&	21.513	N	143.361	E	300	G			0.7	9	MARIANA ISLANDS REGION
20	09	44	22.3&	44.418	N	7.232	E	6					7	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
20	09	51	19.0&	44.165	N	6.953	E	6					23	FRANCE. <GEN>. ML 2.3 (GEN), 2.0 (STR), 1.9 (LDG).
20	09	52	11.6&	44.163	N	6.956	E	6					23	FRANCE. <GEN>. ML 2.2 (GEN), 2.0 (LDG), 1.9 (STR).
20	09	54	01.9&	44.179	N	6.967	E	1					9	FRANCE. <GEN>. ML 1.7 (GEN), 1.5 (LDG).
20	10	02	04.1	4.765	S	101.965	E	33	N	5.3	5.0	1.0	108	SOUTHERN SUMATERA, INDONESIA. Mw 5.4 (HRV), 5.3 (GS). Moment Tensor (GS): Dep 29; Principal axes (scale 10**17 Nm): (T) Val=0.93, Plg=71, Azm=353; (N) Val=0.12, Plg=14, Azm=132; (P) Val=-1.05, Plg=12, Azm=225; Best double couple: Mo=9.9*10**16 Nm; NP1: Strike=333, Dip=36, Slip=115; NP2: Strike=123, Dip=58, Slip=73. Centroid, Moment Tensor (HRV): Centroid origin time 10:02:07.7; Lat 5.22 S; Lon 101.87 E; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.29, Plg=64, Azm=35; (N) Val=0.12, Plg=0, Azm=305; (P) Val=-1.40, Plg=26, Azm=215; Best double couple. Mo=1.3*10**17 Nm; NP1: Strike=305, Dip=19, Slip=90; NP2: Strike=125, Dip=71, Slip=90.
20	10	22	23.8&	43.100	N	0.400	W	2					9	PYRENEES. <LDG>. ML 2.7 (LDG), 2.7 (STR).
20	11	00	22.9&	44.414	N	7.227	E	6					5	NORTHERN ITALY. <GEN>. ML 1.6 (GEN).
20	11	03	00.7&	44.405	N	7.210	E	5					4	NORTHERN ITALY. <GEN>. ML 1.5 (GEN).
20	11	11	43.8&	40.080	N	19.930	E	5					7	ALBANIA. <ATH>. MD 2.9 (ATH).
20	11	11	47.5&	44.169	N	6.957	E	6					14	FRANCE. <GEN>. ML 2.1 (LDG), 2.0 (GEN).
20	11	13	44.3&	18.220	N	67.130	W	30					8	MONA PASSAGE. <MPR>. MD 3.0 (MPR).
20	11	21	35.7&	44.170	N	6.958	E	5					14	FRANCE. <GEN>. ML 1.9 (GEN), 1.6 (LDG).
20	11	46	26.5	33.669	S	70.876	W	79		4.3		0.7	52	CHILE-ARGENTINA BORDER REGION. MD 4.7 (GUC). Felt (IV) at Santiago, Talagante and Valparaiso; (III) at Concon, Melipilla, Puchuncavi, Quillota, Quilpue, Quintero, San Antonio, Villa Alemana, Vina del Mar and Zapallar; (II) at La Ligua, Chile.
20	11	52	35.5&	60.093	N	151.058	W	56					54	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC)

20	12	08	28.2&	16.927	N	100.292	W	4				7	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).
20	12	23	58.3*	54.000	N	168.107	W	118	D	4.1	1.1	21	FOX ISLANDS, ALEUTIAN ISLANDS
20	13	46	55.9&	16.858	N	100.179	W	31				6	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.6 (UNM).
20	13	48	44.1*	39.487	N	39.704	E	10	G		1.2	8	TURKEY
20	14	23	39.7&	33.504	N	117.917	W	7				29	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
20	14	25	44.7&	33.508	N	117.924	W	11				32	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS).
20	16	10	06.5&	44.465	N	7.273	E	12				7	NORTHERN ITALY. <GEN>. ML 1.9 (GEN).
20	16	12	29.4&	25.756	N	128.850	E	33	N		1.0	11	RYUKYU ISLANDS
20	16	18	41.6*	38.769	N	140.792	E	33	N		1.0	7	EASTERN HONSHU, JAPAN
20	16	32	34.0&	50.005	N	144.029	E	33	N		1.1	13	SAKHALIN ISLAND
20	16	46	35.9&	62.072	N	153.222	W	0				47	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
20	17	24	08.3&	32.358	S	69.846	W	130				10	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 2.8 (GUC).
20	18	31	33.1&	32.179	S	71.756	W	28				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
20	19	33	38.5*	31.359	N	131.637	E	64	*	4.1	0.8	14	KYUSHU, JAPAN
20	20	22	26.5?	51.44	N	16.18	E	5	G		0.9	7	POLAND. ML 2.9 (VIE).
20	20	39	05.5*	1.686	N	127.496	E	159	?	4.7	1.1	28	HALMAHERA, INDONESIA
20	20	51	53.6	4.796	S	101.938	E	33	N	5.1 4.8	1.0	78	SOUTHERN SUMATERA, INDONESIA. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:51:58.4; Lat 5.21 S; Lon 101.83 E; Dep 30.9; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.56, Plg=39, Azm=320; (N) Val=0.47, Plg=42, Azm=95; (P) Val=-1.02, Plg=24, Azm=209; Best double couple: Mo=7.9*10**16 Nm; NP1: Strike=348, Dip=43, Slip=167; NP2: Strike=88, Dip=81, Slip=48.
20	21	02	48.1&	32.639	S	71.480	W	15				11	NEAR COAST OF CENTRAL CHILE. <GUC>.
20	21	27	50.4*	0.916	S	136.678	E	33	N	4.1	0.8	8	IRIAN JAYA REGION, INDONESIA
20	23	29	20.5*	26.179	N	125.441	E	154	*	4.3	1.2	16	NORTHEAST OF TAIWAN
20	23	41	59.2*	5.165	N	125.775	E	150	G	4.1	0.8	15	MINDANAO, PHILIPPINE ISLANDS
21	00	01	32.5?	4.40	S	153.49	E	115	?		1.5	9	NEW IRELAND REGION, P.N.G.
21	00	39	26.7?	23.55	S	179.93	W	578	?	4.6	0.6	12	SOUTH OF FIJI ISLANDS
21	01	00	05.7	5.846	S	152.129	E	33	N	4.4	0.8	18	NEW BRITAIN REGION, P.N.G.
21	01	19	54.9	50.148	N	14.018	E	10	G		1.4	6	CZECH AND SLOVAK REPUBLICS
21	01	30	44.7	5.411	S	147.021	E	214		4.9	0.8	38	EASTERN NEW GUINEA REG., P.N.G.
21	02	30	08.0	0.620	N	125.747	E	78	?	4.8	1.1	42	NORTHERN MOLUCCA SEA
21	02	49	24.1*	65.284	N	138.694	W	10	G		1.3	5	NORTHERN YUKON TERRITORY, CANADA. ML 3.4 (PGC).
21	04	04	17.6	40.439	S	174.696	E	82		4.5	0.9	26	COOK STRAIT, NEW ZEALAND. Felt at Wanganui and Wellington on the North Island.
21	04	27	35.8&	37.500	N	4.270	W	15				14	SPAIN. <MDD>. mbLg 2.4 (MDD).
21	04	56	56.9	13.817	N	145.312	E	109		4.9	1.0	75	MARIANA ISLANDS. Mw 5.2 (HRV). Felt slightly on Guam. Centroid, Moment Tensor (HRV): Centroid origin time 04:56:56.1; Lat 13.74 N; Lon 145.90 E; Dep 102.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=6.98, Plg=37, Azm=266; (N) Val=0.36, Plg=3, Azm=174; (P) Val=-7.34, Plg=53, Azm=79; Best double couple: Mo=7.2*10**16 Nm; NP1: Strike=15, Dip=9, Slip=-68; NP2: Strike=173, Dip=82, Slip=-93.
21	05	37	20.6&	62.761	N	149.154	W	72				80	CENTRAL ALASKA. <AEIC>.
21	06	28	05.1&	18.280	N	67.400	W	72				8	MONA PASSAGE. <MPR>. MD 3.2 (MPR).
21	06	38	08.5&	33.576	S	70.686	W	76				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
21	07	09	31.2&	66.369	N	149.880	W	24				12	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
21	09	34	18.0?	17.98	N	101.82	W	33	N		0.9	8	NEAR COAST OF GUERRERO, MEXICO. MD 3.9 (UNM).
21	10	04	14.4*	51.839	N	179.970	W	120	*	4.2	1.0	29	ANDREANOF ISLANDS, ALEUTIAN IS.
21	10	10	23.7*	10.504	S	161.742	E	94	?	4.6	1.2	12	SOLOMON ISLANDS
21	10	10	32.7&	40.775	N	23.352	E	12				5	GREECE. <THE>.
21	10	38	37.0&	33.355	S	68.200	W	5				8	MENDOZA PROVINCE, ARGENTINA. <GUC>. MD 3.5 (GUC).
21	12	24	03.8&	33.903	S	70.508	W	104				9	CHILE-ARGENTINA BORDER REGION. <GUC>.
21	13	10	59.0?	51.43	N	176.13	W	33	N	3.8	0.5	6	ANDREANOF ISLANDS, ALEUTIAN IS.
21	13	24	14.3	3.475	S	135.510	E	33	N	5.0 4.3	1.2	50	IRIAN JAYA REGION, INDONESIA
21	13	46	51.5&	60.294	N	148.646	W	21				61	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
21	14	32	28.3*	43.263	N	146.197	E	43	D	4.6	1.1	21	KURIL ISLANDS. Felt (I JMA) in eastern Hokkaido.
21	15	04	32.7	22.310	N	92.762	E	33	N	4.3	1.2	27	INDIA-BANGLADESH BORDER REGION
21	15	26	27.3*	16.951	S	69.606	W	143	*		1.1	12	PERU-BOLIVIA BORDER REGION
	16	01	02.7	6.260	S	154.743	E	93		4.9	0.9	72	SOLOMON ISLANDS. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 16:01:02.7; Lat 6.34 S; Lon 154.86 E; Dep 78.8; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.23, Plg=74, Azm=344; (N) Val=-1.30, Plg=16, Azm=146; (P) Val=-3.93, Plg=5, Azm=237; Best double couple: Mo=4.6*10**16 Nm; NP1: Strike=344, Dip=43, Slip=114; NP2: Strike=133, Dip=52, Slip=70.
21	16	14	58.3*	67.807	N	161.466	W	10	G	3.0	1.0	6	NORTHERN ALASKA. ML 3.5 (PMR).
21	16	47	29.9&	33.182	S	70.269	W	6				7	CHILE-ARGENTINA BORDER REGION. <GUC>.
21	17	32	59.7&	63.492	N	151.190	W	7				57	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.3 (PMR).
21	17	36	47.5&	59.597	N	151.649	W	4				66	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
21	18	13	32.8?	0.41	N	79.67	W	100	G	4.1	1.5	10	NEAR COAST OF ECUADOR
21	19	09	06.3*	39.392	N	72.036	E	65	?	4.7	1.2	10	KYRGYZSTAN
21	19	16	45.2&	38.130	N	20.350	E	5				38	GREECE. <ATH>. ML 3.9 (ATH).
21	19	51	05.4&	60.549	N	151.423	W	55				93	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC), 3.3 (PMR)
21	20	31	50.3&	33.252	S	70.246	W	115				14	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.7 (GUC). Felt (II) at Santiago, Chile.
21	20	50	31.3&	33.651	S	69.443	W	198				9	CHILE-ARGENTINA BORDER REGION. <GUC>.
21	20	52	29.4&	32.396	S	71.961	W	4				6	NEAR COAST OF CENTRAL CHILE. <GUC>.
21	22	32	27.2&	62.419	N	148.195	W	23				27	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
21	22	38	30.1&	43.400	N	1.700	W	11				6	PYRENEES. <LDG>. ML 2.8 (STR), 2.2 (LDG).
21	22	57	25.5&	45.028	N	6.912	E	5				10	FRANCE. <GEN>. ML 1.8 (GEN), 1.6 (LDG).
21	23	10	51.0*	1.215	S	149.656	E	33	N	4.4	1.1	8	NEW IRELAND REGION, P.N.G.
21	23	11	31.0&	38.400	N	21.810	E	5				11	GREECE. <ATH>. MD 3.4 (ATH).
21	23	18	40.4&	43.900	N	7.100	E	2				5	NEAR SOUTH COAST OF FRANCE. <LDG>. ML 1.4 (LDG).
21	23	29	00.4&	30.684	S	72.395	W	25				10	OFF COAST OF CENTRAL CHILE. <GUC>.
22	00	28	28.3&	38.410	N	21.700	E	5				7	GREECE. <ATH>. ML 3.3 (ATH).
22	01	17	47.7&	47.993	N	115.206	W	12				49	MONTANA. <BUT-P>. ML 4.7 (BUT), 4.6 (PGC), 4.5 (GS). Felt at Libby, Libby Dam, Marion, Thompson Falls and Troy. Also felt in Bonner and Boundary Counties, Idaho.

22	01	44	00.5*	20.176	S	177.973	W	600	G	4.7	0.8	17	FIJI ISLANDS REGION
22	01	49	06.4	24.373	N	122.661	E	71	*	4.5	1.0	29	TAIWAN REGION. Felt (I JMA) on Iriomote-shima and Yonaguni, Ryukyu Islands.
22	01	49	22.6&	20.132	N	98.497	W	4				6	VERACRUZ, MEXICO. <UNM>. MD 3.5 (UNM).
22	02	24	46.9	36.020	N	70.191	E	108	D	4.7	1.0	80	HINDU KUSH REGION, AFGHANISTAN
22	02	26	18.9?	3.08	S	147.70	E	33	N	4.4	1.1	9	BISMARCK SEA
22	03	24	34.3	6.468	N	124.877	E	400	G	4.4	0.9	36	MINDANAO, PHILIPPINE ISLANDS
22	03	31	13.0	49.862	N	18.447	E	10	G		0.6	10	CZECH AND SLOVAK REPUBLICS. ML 3.1 (WAR), 3.0 (CLL), 2.9 (VIE).
22	03	38	47.7?	2.86	N	128.41	E	33	N	4.9	1.4	16	HALMAHERA, INDONESIA
22	04	10	27.6*	32.274	S	179.518	W	33	N		1.0	14	SOUTH OF KERMADEC ISLANDS
22	04	51	11.6	35.896	N	33.915	E	10	G	4.2	1.0	39	CYPRUS REGION. ML 4.4 (GII).
22	05	29	10.0&	33.496	N	116.562	W	11				23	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS). MD 2.8 (ECX).
22	05	44	17.7&	59.986	N	152.217	W	65				118	SOUTHERN ALASKA. <AEIC>. ML 3.8 (AEIC), 4.2 (PMR). Felt at Homer.
22	05	59	52.5	36.326	N	0.252	E	10	G		1.0	61	NORTHERN ALGERIA. ML 4.0 (LDG). mbLg 3.6 (MDD).
22	06	20	13.8&	18.430	N	68.740	W	114				4	MONA PASSAGE. <MPR>. MD 3.5 (MPR).
22	06	20	21.3*	31.020	N	130.694	E	139	*	4.4	1.3	11	KYUSHU, JAPAN
22	07	17	31.4*	40.178	N	25.089	E	10	G		0.8	5	AEGEAN SEA. MD 3.2 (ATH).
22	07	47	16.6&	33.777	S	71.178	W	65				11	NEAR COAST OF CENTRAL CHILE. <GUC>.
22	08	37	24.5&	35.797	N	33.922	E	25				7	CYPRUS REGION. <CSS>. ML 3.3 (CSS).
22	09	12	55.6*	19.784	S	167.996	E	33	N	4.4	0.7	20	VANUATU ISLANDS REGION
22	10	06	24.6*	25.635	S	176.178	W	33	N	4.9 4.8	1.0	33	SOUTH OF FIJI ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 10:06:28.9; Lat 25.61 S; Lon 175.75 W; Dep 21.5; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.93, Plg=55, Azm=347; (N) Val=0.31, Plg=29, Azm=205; (P) Val=-8.24, Plg=18, Azm=104; Best double couple: Mo=8.1*10**16 Nm; NP1: Strike=158, Dip=38, Slip=37; NP2: Strike=37, Dip=69, Slip=122.
22	10	13	08.6&	62.028	N	148.488	W	38				22	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 3.0 (PMR).
22	10	23	12.3*	35.934	N	140.304	E	98	*	4.4	0.9	18	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in parts of Ibaraki Prefecture. Felt (I JMA) in northern Chiba, southern Fukushima, eastern Kanagawa, eastern Saitama and parts of Tochigi Prefectures.
22	10	34	55.0	51.816	N	176.418	E	54	*	4.0	0.8	26	RAT ISLANDS, ALEUTIAN ISLANDS
22	11	45	11.9&	31.394	S	69.205	W	194				11	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.7 (GUC).
22	12	28	13.0	52.799	N	144.712	W	10	G	4.8	0.8	113	SOUTH OF ALASKA. ML 4.6 (AEIC), 4.4 (PGC).
22	13	25	34.6&	57.781	N	156.135	W	115				93	ALASKA PENINSULA. <AEIC>.
22	13	41	37.6	43.120	N	126.419	W	10	G	4.1	0.7	86	OFF COAST OF OREGON
22	14	41	08.4*	15.337	N	92.957	W	33	N		1.0	12	MEXICO-GUATEMALA BORDER REGION. MD 4.3 (UNM).
22	14	42	40.2&	47.200	N	6.000	E	2				11	FRANCE. <LDG>. ML 2.4 (LDG).
22	14	51	12.0	43.862	N	128.566	W	10	G	3.8	0.4	35	OFF COAST OF OREGON
22	15	15	41.3*	44.484	N	128.852	W	10	G	3.8	0.7	14	OFF COAST OF OREGON
22	15	18	29.3*	30.607	N	128.117	E	33	N		1.3	7	NORTHWEST OF RYUKYU ISLANDS
22	15	28	22.5?	10.64	N	88.65	W	10	G	4.2	1.1	12	OFF COAST OF CENTRAL AMERICA
22	15	29	46.1&	33.233	S	71.093	W	71				12	NEAR COAST OF CENTRAL CHILE. <GUC>.
22	15	52	44.4&	44.407	N	7.219	E	3				4	NORTHERN ITALY. <GEN>. ML 1.4 (GEN).
22	15	59	27.8*	36.086	N	58.829	E	33	N	4.3	0.8	22	NORTHERN IRAN
22	16	00	16.8&	15.655	N	61.048	W	103				4	LEEWARD ISLANDS. <TRN>. MD 3.7 (TRN).
22	16	04	15.9*	7.214	S	39.397	E	10	G		1.0	8	TANZANIA
22	16	16	17.6&	44.281	N	6.529	E	10	G		0.3	8	FRANCE. ML 1.8 (LDG).
22	16	20	00.5&	55.844	N	161.515	W	162				29	ALASKA PENINSULA. <AEIC>.
22	16	25	33.9&	33.827	S	70.817	W	77				12	CHILE-ARGENTINA BORDER REGION. <GUC>.
22	16	50	59.4&	47.600	N	2.400	W	10				7	FRANCE. <LDG>. ML 2.2 (LDG).
22	17	04	35.5	80.020	N	90.713	W	10	G	4.8	0.8	77	QUEEN ELIZABETH ISLANDS, CANADA. mbLg 4.4 (OTT).
22	17	20	11.7	0.236	S	99.231	E	33	N	5.1 4.2	0.9	70	SOUTHERN SUMATERA, INDONESIA. Mw 4.9 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:20:19.1; Lat 0.34 S; Lon 98.78 E; Dep 32.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=2.65, Plg=77, Azm=42; (N) Val=-0.24, Plg=0, Azm=132; (P) Val=-2.41, Plg=13, Azm=222; Best double couple: Mo=2.5*10**16 Nm; NP1: Strike=312, Dip=32, Slip=90; NP2: Strike=132, Dip=58, Slip=90.
22	17	43	58.7*	43.836	N	128.681	W	10	G		0.9	17	OFF COAST OF OREGON
22	19	12	52.8	9.695	S	117.908	E	33	N	3.8	1.1	10	SUMBAWA REGION, INDONESIA
22	19	30	02.4	7.217	S	120.733	E	509		4.5	0.8	19	FLORES SEA
22	20	01	14.1*	21.484	S	168.455	E	33	N	4.1	1.0	11	LOYALTY ISLANDS
22	20	06	48.8	44.409	N	7.292	E	10	G		0.5	19	NORTHERN ITALY. ML 2.4 (GEN), 1.9 (LDG).
22	20	40	59.2	15.293	N	144.840	E	33	N	4.4 4.2	0.8	19	MARIANA ISLANDS REGION
22	21	10	28.6*	4.690	S	153.018	E	47	*	4.4	1.0	19	NEW IRELAND REGION, P.N.G.
22	21	18	53.4*	28.040	N	128.617	E	33	N	3.9	0.9	10	RYUKYU ISLANDS
22	22	00	00.7	41.748	N	20.177	E	10	G		1.0	10	ALBANIA. ML 2.2 (PDG).
22	22	07	53.9	25.159	S	179.627	E	518	D	5.1	0.8	133	SOUTH OF FIJI ISLANDS. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 22:07:57.1; Lat 25.01 S; Lon 179.87 E; Dep 513.0; Half-duration 1.4 sec; Principal axes (scale 10**17 Nm): (T) Val=2.40, Plg=48, Azm=95; (N) Val=0.12, Plg=18, Azm=205, (P) Val=-2.51, Plg=37, Azm=309; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=96, Dip=19, Slip=161; NP2: Strike=203, Dip=84, Slip=72.
22	22	53	16.1&	61.304	N	150.653	W	54				44	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
22	23	08	40.7	6.145	S	147.582	E	88		5.0	1.0	34	EASTERN NEW GUINEA REG., P.N.G.
22	23	12	54.6&	35.064	N	32.402	E	25				5	CYPRUS REGION. <CSS>. ML 2.1 (CSS).
23	00	38	48.3?	43.82	N	128.91	W	10	G		1.5	8	OFF COAST OF OREGON
23	01	35	26.9*	20.675	S	70.048	W	100	G		1.0	8	NEAR COAST OF NORTHERN CHILE. Felt (V) at Iquique and (III) at Huara.
23	02	10	20.6*	6.197	S	150.995	E	33	N	4.4	1.1	11	NEW BRITAIN REGION, P.N.G.
23	02	18	33.2&	15.799	N	99.083	W	17				20	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
23	02	52	13.8*	46.130	N	13.081	E	10	G		0.6	6	AUSTRIA. ML 1.9 (VIE), 1.5 (LJU).
23	02	57	11.8&	15.724	N	99.012	W	19				12	OFF COAST OF GUERRERO, MEXICO. <UNM>. MD 4.1 (UNM).
23	03	40	45.2&	34.486	N	32.008	E	25				5	CYPRUS REGION. <CSS>. ML 2.3 (CSS).
23	04	45	04.5&	33.094	S	71.842	W	14				11	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).

23	04	51	02.1	34.022	N	25.381	E	33	N	4.1	1.1	37	CRETE. MD 4.0 (ATH).
23	05	31	39.6&	34.055	S	70.359	W	7				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.9 (GUC).
23	05	34	09.7&	34.049	S	70.357	W	8				9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
23	05	35	25.4&	32.809	S	70.617	W	92				9	CHILE-ARGENTINA BORDER REGION. <GUC>.
23	05	36	46.4	44.117	N	129.249	W	10	G		0.6	35	OFF COAST OF OREGON
23	05	54	16.8&	30.844	S	71.682	W	32				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.8 (GUC).
23	06	07	28.9&	62.828	N	150.501	W	91				92	CENTRAL ALASKA. <AEIC>.
23	07	12	09.8	34.276	N	141.146	E	33	N	4.6	0.9	27	OFF EAST COAST OF HONSHU, JAPAN
23	07	13	12.3&	34.679	S	72.255	W	15				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.5 (GUC).
23	07	30	12.4&	59.908	N	153.373	W	135				48	SOUTHERN ALASKA. <AEIC>.
23	08	19	17.4&	32.775	S	71.746	W	19				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC).
23	08	35	26.6	32.611	N	131.392	E	87			0.5	10	KYUSHU, JAPAN
23	09	53	42.9&	42.678	S	173.653	E	33	N		0.6	14	SOUTH ISLAND, NEW ZEALAND. ML 4.1 (WEL).
23	09	53	45.4&	31.241	S	70.351	W	154				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
23	10	22	47.9&	47.000	N	1.400	W	2				9	FRANCE. <LDG>. ML 2.4 (LDG).
23	10	29	32.3&	43.880	N	8.005	E	2				5	CORSICA. <GEN>. ML 1.5 (GEN).
23	10	42	27.7&	44.300	N	8.200	E	2				12	NORTHERN ITALY. <LDG>. ML 2.0 (LDG), 2.0 (STR).
23	11	12	22.0*	38.945	N	19.159	E	10	G		0.4	8	IONIAN SEA. MD 3.1 (ATH).
23	11	50	48.6&	43.100	N	0.600	W	4				22	PYRENEES. <LDG>. ML 2.9 (LDG), 2.9 (STR). mbLg 2.7 (MDD). Felt in the western Pyrenees.
23	12	11	27.5	17.661	S	178.572	W	600	G	4.4	0.9	40	FIJI ISLANDS REGION
23	12	29	44.3&	44.357	N	7.209	E	15				5	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
23	13	16	02.4*	12.074	S	166.911	E	300	G	4.4	0.9	32	SANTA CRUZ ISLANDS
23	13	19	46.6&	40.640	N	122.404	W	23				3	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
23	14	35	07.9*	56.117	N	115.365	E	10	G	4.3	1.0	12	EAST OF LAKE BAYKAL, RUSSIA. Felt (III) at Bodaybo and Taksimo.
23	15	14	07.2	17.509	N	94.660	W	145	D	4.5	0.9	74	CHIAPAS, MEXICO. MD 4.8 (UNM).
23	15	14	47.8&	37.477	N	118.811	W	9				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
23	15	24	14.9&	60.051	N	152.960	W	110				35	SOUTHERN ALASKA. <AEIC>.
23	15	38	31.2*	18.384	N	146.062	E	100	G	4.7	0.8	14	MARIANA ISLANDS
23	15	53	23.0*	12.355	N	143.227	E	33	N		1.1	8	SOUTH OF MARIANA ISLANDS
23	16	20	59.6	40.692	N	42.542	E	10	G	4.5	1.0	55	TURKEY
23	16	22	01.5*	16.535	S	173.930	W	33	N	4.9	1.0	39	TONGA ISLANDS
23	18	55	42.8	2.898	S	134.168	E	33	N	4.6	1.0	24	IRIAN JAYA REGION, INDONESIA
23	19	23	38.1	39.888	N	76.851	E	33	N	4.8 4.1	0.8	96	SOUTHERN XINJIANG, CHINA
23	20	00	41.3	51.597	N	16.316	E	5	G		0.8	15	POLAND. ML 3.5 (GRF), 3.4 (VIE).
23	20	01	49.1	19.106	S	169.161	E	238	*	4.9	0.9	87	VANUATU ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:01:56.6; Lat 18.87 S; Lon 168.85 E: Dep 238.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=7.17, Plg=55, Azm=10; (N) Val=-0.40, Plg=35, Azm=189; (P) Val=-6.77, Plg=1, Azm=279; Best double couple: Mo=7.0*10**16 Nm; NP1: Strike=39, Dip=54, Slip=135; NP2: Strike=160, Dip=55, Slip=46.
23	20	52	50.4&	60.356	N	153.195	W	138		2.9		20	SOUTHERN ALASKA. <AEIC>.
23	21	04	12.9*	47.795	S	99.430	E	10	G	4.8	1.1	16	SOUTHEAST INDIAN RIDGE
23	21	16	10.3&	31.403	S	69.487	W	136				7	SAN JUAN PROVINCE, ARGENTINA. <GUC>.
23	23	27	54.6*	52.924	N	170.085	W	33	N		1.0	8	FOX ISLANDS, ALEUTIAN ISLANDS
23	23	42	42.6?	51.50	N	178.84	W	33	N		0.6	4	ANDREANOF ISLANDS, ALEUTIAN IS.
23	23	50	27.2&	31.534	S	72.400	W	19				5	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
23	23	54	21.5&	58.560	N	150.771	W	15				15	GULF OF ALASKA. <AEIC>. ML 3.1 (AEIC).
24	00	20	37.3?	20.04	S	177.90	W	450	G	3.7	0.9	12	FIJI ISLANDS REGION
24	00	55	18.0&	47.250	N	7.940	E	18				15	SWITZERLAND. <FBB>. ML 2.2 (LDG), 2.1 (STR), 2.1 (FBB).
24	01	01	03.8*	8.559	S	147.694	E	136	*		0.8	8	EASTERN NEW GUINEA REG., P.N.G.
24	02	17	11.7&	43.040	N	0.130	E	5				13	FRANCE. <STR>. ML 3.0 (STR), 2.8 (LDG).
24	02	23	02.0&	47.270	N	7.930	E	19				12	SWITZERLAND. <FBB>. ML 2.1 (STR), 2.0 (LDG), 1.9 (FBB).
24	03	57	35.7&	39.490	N	8.350	W	2				13	PORTUGAL. <MDD>. mbLg 2.5 (MDD).
24	05	12	17.8&	40.360	S	176.503	E	100	G		0.5	14	NORTH ISLAND, NEW ZEALAND
24	06	32	58.2*	20.259	S	173.951	W	33	N	4.5	1.0	21	TONGA ISLANDS
24	06	34	34.7&	40.312	N	124.565	W	20				6	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.3 (GM). ML 3.4 (BRK).
24	06	35	00.6&	33.257	S	72.124	W	37				12	OFF COAST OF CENTRAL CHILE. <GUC>. MD 4.0 (GUC). Felt (II) at El Quisco, El Tabo and San Antonio.
24	06	47	35.5	36.888	S	70.566	W	158		4.4	0.8	42	CHILE-ARGENTINA BORDER REGION. MD 4.3 (GUC).
24	07	09	21.5&	31.708	S	70.015	W	136				8	CHILE-ARGENTINA BORDER REGION. <GUC>.
24	07	17	31.8	8.005	S	117.779	E	33	N	4.3	1.1	18	SUMBAWA REGION, INDONESIA
24	07	46	57.0&	32.583	S	70.067	W	115				9	CHILE-ARGENTINA BORDER REGION. <GUC>.
24	08	54	08.9&	33.387	N	116.338	W	3				23	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). MD 2.7 (ECX).
24	08	54	54.3&	40.120	N	19.850	E	5				7	ALBANIA. <ATH>. MD 2.9 (ATH).
24	08	56	40.1*	44.314	S	81.750	W	10	G	4.8 4.9	1.0	14	WEST CHILE RISE. Mw 5.3 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 08:56:46.2; Lat 44.08 S; Lon 82.66 W; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.20, Plg=9, Azm=73; (N) Val=-0.92, Plg=2, Azm=343; (P) Val=-8.28, Plg=81, Azm=241; Best double couple: Mo=8.7*10**16 Nm; NP1: Strike=166, Dip=36, Slip=-87; NP2: Strike=342, Dip=54, Slip=-92.
24	09	07	22.0&	49.160	N	6.910	E	1	G			6	GERMANY. <FBB>. ML 2.3 (FBB).
24	09	11	30.3*	7.274	N	72.463	W	155	?	4.0	1.0	15	NORTHERN COLOMBIA
24	09	30	55.0*	17.404	S	69.274	W	154	*	4.8	1.0	12	PERU-BOLIVIA BORDER REGION
24	10	39	19.7?	17.63	S	178.60	W	550	G	4.4	0.9	14	FIJI ISLANDS REGION
24	11	15	44.4	3.637	S	131.221	E	33	N	5.3 5.3	1.0	105	IRIAN JAYA REGION, INDONESIA. Mw 5.4 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:15:46.9; Lat 3.49 S; Lon 130.88 E; Dep 15.0 Bdy; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.67, Plg=62, Azm=268; (N) Val=-0.23, Plg=18, Azm=141; (P) Val=-1.44, Plg=21, Azm=44; Best double couple: Mo=1.6*10**17 Nm; NP1: Strike=105, Dip=29, Slip=50; NP2: Strike=328, Dip=68, Slip=109.
24	11	45	05.5?	9.73	N	120.47	E	33	N	4.5	1.4	15	SULU SEA
24	13	02	18.9?	5.40	S	133.58	E	33	N		1.1	6	ARU ISLANDS REGION, INDONESIA
24	13	28	04.1&	33.286	S	72.114	W	37				11	OFF COAST OF CENTRAL CHILE. <GUC>. MD 3.7 (GUC).
24	13	51	42.2*	40.573	N	127.235	W	10	G	3.2	1.1	13	OFF COAST OF NORTHERN CALIFORNIA

24	14	41	10.9&	42.900	N	1.900	W	2				6	PYRENEES. <LDG>. ML 2.4 (LDG).
24	15	38	23.8	58.724	N	142.912	W	10	G		0.7	57	GULF OF ALASKA. ML 2.8 (AEIC), 2.6 (PGC).
24	16	02	33.7	45.746	N	12.814	E	10	G		0.4	11	NORTHERN ITALY. ML 2.7 (VIE), 2.1 (LJU).
24	16	04	46.5*	25.641	S	177.534	W	200	G	4.2	1.1	18	SOUTH OF FIJI ISLANDS
24	16	10	07.1&	60.770	N	150.796	W	61				44	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
24	16	21	44.8&	59.220	N	153.007	W	77				46	SOUTHERN ALASKA. <AEIC>.
24	16	41	59.2	45.488	N	10.618	E	10	G		0.8	55	NORTHERN ITALY. ML 3.8 (VIE), 3.7 (STR), 3.6 (FUR), 3.4 (LDG), 3.3 (FBB), 3.3 (LJU).
24	16	51	41.0&	44.608	N	6.862	E	0				22	FRANCE. <GEN>. ML 2.2 (GEN), 1.8 (LDG).
24	19	08	31.7*	31.913	N	132.014	E	33	N		1.3	6	SOUTHEAST OF SHIKOKU, JAPAN
24	19	38	14.1*	20.198	N	122.366	E	33	N		1.4	7	PHILIPPINE ISLANDS REGION
24	19	53	56.9&	19.458	N	99.201	W	78				5	CENTRAL MEXICO. <UNM>. MD 2.9 (UNM).
24	20	32	12.4&	35.940	N	4.600	W	68				20	STRAIT OF GIBRALTAR. <MDD>.
24	21	36	32.0&	59.819	N	152.683	W	80		2.8		89	SOUTHERN ALASKA. <AEIC>.
24	22	25	20.4&	42.701	N	19.035	E	13				7	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.5 (PDG).
24	23	00	20.0?	31.08	S	68.99	W	100	G		1.0	12	SAN JUAN PROVINCE, ARGENTINA. MD 3.5 (GUC).
24	23	15	40.1*	0.664	N	16.653	W	10	G	4.0	0.9	10	NORTH OF ASCENSION ISLAND
24	23	49	20.3*	56.039	S	27.799	W	104	?	4.4	1.0	17	SOUTH SANDWICH ISLANDS REGION
24	23	56	05.5	15.909	S	178.766	E	33	N	4.9 4.6	0.8	62	FIJI ISLANDS. Mw 5.2 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 23:56:11.6; Lat 16.11 S; Lon 178.66 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.75, Plg=8, Azm=280; (N) Val=-1.72, Plg=61, Azm=176; (P) Val=-7.03, Plg=28, Azm=14; Best double couple: Mo=7.9*10**16 Nm; NP1: Strike=53, Dip=65, Slip=-15; NP2: Strike=150, Dip=76, Slip=-154.
25	00	02	44.8&	21.289	S	70.539	W	6				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.8 (GUC).
25	00	39	10.0	19.025	N	145.543	E	191	*	4.6	0.9	59	MARIANA ISLANDS
25	00	39	54.5&	31.700	S	69.841	W	144				12	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 2.9 (GUC).
25	01	22	54.7?	6.14	S	131.20	E	33	N	4.3	0.9	5	TANIMBAR ISLANDS REG., INDONESIA
25	02	32	07.0&	49.140	N	6.850	E	1				19	GERMANY. <FBB>. ML 2.7 (UCC), 2.6 (FBB). Mining induced event in the Lorraine region, France.
25	03	12	45.8*	14.839	N	120.297	E	140	?	4.2	1.0	18	LUZON, PHILIPPINE ISLANDS
25	03	28	59.4&	36.750	N	6.100	W	7				5	STRAIT OF GIBRALTAR. <MDD>. mbLg 1.9 (MDD).
25	03	29	13.1?	17.80	S	178.74	W	550	G	4.4	1.3	14	FIJI ISLANDS REGION
25	03	43	57.1&	41.266	N	123.396	W	39				4	NORTHERN CALIFORNIA. <GM-P>. MD 3.5 (GM).
25	03	52	04.0&	46.100	N	7.500	E	2				11	SWITZERLAND. <LDG>. ML 2.2 (STR), 2.0 (LDG).
25	04	11	31.6&	38.980	N	26.180	E	15				11	AEGEAN SEA. <ATH>. ML 3.6 (ATH).
25	04	21	21.1&	34.187	S	71.156	W	64				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.1 (GUC).
25	04	59	22.4?	17.63	S	178.16	W	550	G		0.9	11	FIJI ISLANDS REGION
25	05	19	51.6&	38.791	N	122.770	W	5				35	NORTHERN CALIFORNIA. <GM-P>. MD 3.7 (GM). ML 4.0 (BRK).
25	05	53	34.3*	12.012	N	143.113	E	47	?	4.3	1.2	26	SOUTH OF MARIANA ISLANDS
25	06	49	25.8	38.703	N	119.522	W	5	G		0.8	21	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (BRK), 3.7 (GS). MD 3.5 (REN).
25	06	56	32.2&	36.093	N	118.384	W	12				33	CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.1 (GS).
25	07	00	02.2&	38.400	N	21.770	E	5				8	GREECE. <ATH>. ML 3.2 (ATH).
25	07	27	33.3&	34.306	N	116.850	W	5				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
25	07	42	54.1&	33.939	S	70.990	W	68				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.6 (GUC).
25	09	12	22.1?	28.34	N	139.98	E	439	?	4.0	1.1	14	BONIN ISLANDS REGION
25	09	36	48.6&	43.211	N	21.226	E	16				13	NORTHWESTERN BALKAN REGION. <PDG>. ML 3.0 (PDG).
25	10	04	10.4?	11.06	N	132.73	W	10	G	4.4	0.9	26	NORTH PACIFIC OCEAN
25	10	08	17.8?	51.44	N	16.02	E	5	G		0.7	6	POLAND. ML 3.1 (VIE).
25	10	14	56.4&	32.393	S	71.323	W	44				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
25	10	22	17.6&	33.648	S	70.516	W	96				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
25	10	24	32.8&	11.155	N	61.543	W	81				4	WINDWARD ISLANDS. <TRN>. MD 3.1 (TRN).
25	10	39	03.4*	37.324	N	139.549	E	33	N		0.9	8	EASTERN HONSHU, JAPAN. Felt (II JMA) in western Fukushima and (I JMA) in parts of Niigata and Tochigi Prefectures
25	10	44	40.1*	30.328	N	86.472	E	33	N	4.4	0.8	17	XIZANG
25	11	31	34.1&	14.550	N	93.318	W	73		4.4		56	NEAR COAST OF CHIAPAS, MEXICO. <UNM>. MD 4.7 (UNM).
25	12	37	32.1&	38.980	N	26.460	E	5				8	AEGEAN SEA. <ATH>. MD 3.5 (ATH).
25	13	26	12.0&	39.850	N	23.960	E	37				5	AEGEAN SEA. <ATH>. MD 3.0 (ATH).
25	13	30	15.2&	39.710	N	23.590	E	5				8	AEGEAN SEA. <ATH>. MD 3.2 (ATH).
25	13	30	26.0&	43.830	N	77.930	W	18	G			4	NEW YORK. <OTT-P>. mbLg 3.6 (OTT), 3.0 (GS). Felt.
25	13	30	35.2&	35.392	S	71.223	W	111				11	CENTRAL CHILE. <GUC>. MD 3.1 (GUC).
25	14	26	20.7	11.633	S	77.213	W	67		5.0	0.8	90	NEAR COAST OF PERU. Mw 5.4 (HRV). Felt at Lima and along the coast of central Peru. A landslide temporarily blocked a coastal highway. Centroid, Moment Tensor (HRV): Centroid origin time 14:26:25.3; Lat 11.38 S; Lon 77.08 W; Dep 64.0; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.24, Plg=57, Azm=229; (N) Val=0.04, Plg=2, Azm=325; (P) Val=-1.27, Plg=33, Azm=55; Best double couple: Mo=1.3*10**17 Nm; NP1: Strike=154, Dip=72, Slip=102; NP2: Strike=322, Dip=78, Slip=87.
25	14	35	00.2&	60.322	N	152.529	W	92				21	SOUTHERN ALASKA. <AEIC>.
25	15	28	18.1&	35.734	S	71.673	W	104				13	CENTRAL CHILE. <GUC>.
25	15	33	33.7&	36.360	N	5.140	W	55				12	STRAIT OF GIBRALTAR. <MDD>.
25	15	56	12.8&	44.359	N	7.300	E	11				7	NORTHERN ITALY. <GEN>. ML 1.7 (GEN).
25	16	30	11.8	36.435	N	70.838	E	250	G	4.2	0.7	18	HINDU KUSH REGION, AFGHANISTAN
25	16	36	08.0*	42.118	N	134.347	E	439	*		0.6	8	NEAR SOUTHEAST COAST OF RUSSIA
25	17	03	08.9&	35.176	S	71.175	W	114				12	CENTRAL CHILE. <GUC>.
25	17	45	34.8	33.050	S	179.320	W	78	D	5.0 5.2	1.2	51	SOUTH OF KERMADEC ISLANDS. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 17:45:34.9; Lat 32.90 S; Lon 178.86 W; Dep 47.1; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.52, Plg=76, Azm=276; (N) Val=0.77, Plg=2, Azm=12; (P) Val=-3.28, Plg=14, Azm=103; Best double couple: Mo=2.9*10**17 Nm; NP1: Strike=195, Dip=31, Slip=93; NP2: Strike=11, Dip=59, Slip=88.
25	18	15	41.8	7.535	S	107.126	E	59		4.9	1.0	46	JAWA, INDONESIA. Mw 5.3 (HRV) Centroid, Moment Tensor (HRV): Centroid origin time 18:15:49.0; Lat 7.53 S Fix; Lon 107.13 E Fix; Dep 53.2; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm):

													(T) Val=8.61, Plg=18, Azm=62; (N) Val=0.42, Plg=67, Azm=202; (P) Val=-9.04, Plg=14, Azm=328; Best double couple: Mo=8.8*10**16 Nm; NP1: Strike=104, Dip=67, Slip=177; NP2: Strike=195, Dip=87, Slip=-23.
25	18	35	22.2&	44.360	N	7.305	E	10				9	NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
25	18	36	09.4&	35.755	S	71.546	W	106				11	CENTRAL CHILE. <GUC>.
25	19	00	35.4?	15.77	S	178.27	E	33	N	4.8	0.6	9	FIJI ISLANDS
25	19	22	02.2&	33.114	S	71.246	W	63				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.1 (GUC).
25	19	45	34.9&	34.428	S	70.723	W	106				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.2 (GUC).
25	20	58	14.0?	4.41	S	153.71	E	33	N		1.0	5	NEW IRELAND REGION, P.N.G.
25	21	25	58.1&	63.485	N	151.238	W	5				24	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.4 (PMR).
25	21	37	28.4&	34.417	N	32.218	E	12				10	CYPRUS REGION. <CSS>. ML 3.3 (CSS).
25	21	38	27.6*	5.895	N	125.894	E	100	G	4.7	1.1	20	MINDANAO, PHILIPPINE ISLANDS
25	21	42	41.9?	3.98	S	102.77	E	70	*	4.2	1.3	11	SOUTHERN SUMATERA, INDONESIA. Felt (III) at Kepahiang
25	21	42	59.4?	4.38	S	101.88	E	33	N	4.8	1.1	10	SOUTHERN SUMATERA, INDONESIA
25	22	04	09.7&	34.420	N	32.345	E	12				4	CYPRUS REGION. <CSS>. ML 3.3 (CSS).
25	22	14	09.5&	34.385	N	31.987	E	25				4	CYPRUS REGION. <CSS>. ML 2.9 (CSS).
25	22	19	06.9&	63.387	N	151.501	W	13				18	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
25	22	35	46.8*	5.568	S	102.852	E	33	N		1.3	10	SOUTHERN SUMATERA, INDONESIA
25	23	52	59.5&	37.600	N	20.770	E	5				17	IONIAN SEA. <ATH>. MD 3.5 (ATH).
26	00	10	12.7	47.119	N	14.466	E	5	G		0.9	10	AUSTRIA. ML 2.5 (VIE). Felt (IV) at Niederwolz.
26	00	41	30.3?	30.67	S	179.88	W	450	G	4.5	1.3	22	KERMADEC ISLANDS REGION
26	00	47	45.1	16.102	S	71.517	W	113		4.6	0.9	51	SOUTHERN PERU. Felt (II) at Arequipa.
26	00	51	02.3&	40.170	N	23.800	E	16				7	GREECE. <ATH>. MD 3.2 (ATH).
26	01	34	20.5*	43.761	N	11.532	E	10	G		0.7	14	CENTRAL ITALY. ML 2.5 (LDG).
26	01	47	38.7*	43.694	N	11.672	E	10	G		0.9	15	CENTRAL ITALY. ML 2.6 (LDG).
26	02	19	38.5&	19.030	N	66.530	W	62				6	PUERTO RICO REGION. <MPR>. MD 3.0 (MPR).
26	02	57	27.4&	15.639	N	93.938	W	16				8	NEAR COAST OF CHIAPAS, MEXICO. <UNM>. MD 4.3 (UNM).
26	03	37	44.4*	34.225	N	141.646	E	33	N	4.3	1.0	20	OFF EAST COAST OF HONSHU, JAPAN
26	03	46	12.0*	34.181	N	141.599	E	33	N	4.5	1.1	18	OFF EAST COAST OF HONSHU, JAPAN
26	03	51	30.7?	37.63	S	176.73	E	250	G		0.5	13	NORTH ISLAND, NEW ZEALAND
26	03	56	26.5?	53.16	N	163.68	W	33	N		1.5	8	UNIMAK ISLAND REGION
26	04	54	17.0&	47.000	N	1.300	W	2				10	FRANCE. <LDG>. ML 2.4 (LDG).
26	05	05	47.1*	20.735	S	68.618	W	150	G	3.9	1.3	8	CHILE-BOLIVIA BORDER REGION
26	05	19	24.1&	33.157	S	70.293	W	125				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.1 (GUC).
26	05	25	41.6*	3.023	N	124.241	E	350	G	4.4	1.3	19	CELEBES SEA
26	05	55	12.8*	24.355	S	179.807	E	576	?	4.2	0.8	15	SOUTH OF FIJI ISLANDS
26	06	18	33.7&	61.408	N	146.193	W	32				86	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC), 3.7 (PMR). Felt at Valdez.
26	06	42	05.9	1.462	S	123.901	E	33	N	4.7	1.3	29	SULAWESI, INDONESIA
26	06	49	00.6*	45.457	N	14.287	E	10	G		0.7	9	NORTHWESTERN BALKAN REGION. ML 2.7 (VIE), 2.7 (ZAG), 2.2 (LJU).
26	07	01	22.2?	35.28	S	109.07	W	10	G	4.7	0.9	16	SOUTHERN EAST PACIFIC RISE
26	07	01	53.6&	46.327	N	112.112	W	6				14	MONTANA. <BUT-P>. MD 2.9 (BUT). Felt in the area 10 kilometers south of Jefferson City.
26	08	18	27.4&	31.810	S	71.551	W	49				6	NEAR COAST OF CENTRAL CHILE. <GUC>.
26	08	21	12.6?	54.49	S	135.99	W	10	G	4.8	1.3	9	PACIFIC-ANTARCTIC RIDGE
26	10	27	22.8	46.009	N	14.763	E	10	G		0.8	6	NORTHWESTERN BALKAN REGION. ML 2.1 (VIE), 1.5 (LJU).
26	10	34	51.7&	47.200	N	7.300	E	14				6	SWITZERLAND. <LDG>. ML 2.3 (LDG).
26	10	42	38.5*	46.541	N	14.960	E	10	G		0.7	5	NORTHWESTERN BALKAN REGION. ML 2.4 (VIE).
26	11	02	42.3&	36.670	N	26.480	E	5				7	DODECANESE ISLANDS. <ATH>. ML 3.7 (ATH).
26	11	20	22.1	40.746	S	74.849	W	10	G	5.2	1.1	88	OFF COAST OF SOUTHERN CHILE. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 11:20:26.8; Lat 40.90 S; Lon 75.74 W; Dep 15.4; Half-duration 1.3 sec; Principal axes (scale 10**17 Nm): (T) Val=2.56, Plg=27, Azm=96; (N) Val=-0.19, Plg=0, Azm=6; (P) Val=-2.36, Plg=63, Azm=275; Best double couple: Mo=2.5*10**17 Nm; NP1: Strike=187, Dip=18, Slip=-89; NP2: Strike=6, Dip=72, Slip=-90.
26	11	29	09.5	10.604	N	63.544	W	33	N	5.4 4.9	1.2	256	NEAR COAST OF VENEZUELA. Mw 5.4 (HRV). MD 5.3 (TRN). Centroid, Moment Tensor (HRV): Centroid origin time 11:29:12.5; Lat 10.86 N; Lon 63.76 W; Dep 15.0 Fix; Half-duration 1.2 sec; Principal axes (scale 10**17 Nm): (T) Val=1.51, Plg=19, Azm=236; (N) Val=-0.23, Plg=48, Azm=348, (P) Val=-1.29, Plg=36, Azm=131; Best double couple: Mo=1.4*10**17 Nm; NP1: Strike=279, Dip=50, Slip=-166; NP2: Strike=180, Dip=79, Slip=-41.
26	11	5-	36.9&	32.692	S	71.759	W	19				5	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
26	12	14	37.4	56.483	S	27.366	W	110	D	5.4	0.9	79	SOUTH SANDWICH ISLANDS REGION. Mw 5.6 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 12:14:40.6; Lat 56.36 S; Lon 26.72 W; Dep 102.3; Half-duration 1.6 sec; Principal axes (scale 10**17 Nm): (T) Val=3.11, Plg=34, Azm=177; (N) Val=0.15, Plg=23, Azm=70; (P) Val=-3.25, Plg=47, Azm=313; Best double couple: Mo=3.2*10**17 Nm; NP1: Strike=321, Dip=25, Slip=-17; NP2: Strike=67, Dip=83, Slip=-114.
26	12	20	25.6&	36.620	N	26.420	E	5				6	DODECANESE ISLANDS. <ATH>. ML 3.7 (ATH).
26	12	32	44.6&	43.400	N	0.600	W	2				6	PYRENEES. <LDG>. ML 2.5 (STR), 2.0 (LDG).
26	12	33	44.0	56.426	S	26.980	W	113	D		0.8	22	SOUTH SANDWICH ISLANDS REGION
26	13	03	45.4?	28.01	N	128.33	E	33	N	4.2	1.3	9	RYUKYU ISLANDS
26	13	40	25.0&	43.500	N	0.600	W	2				5	PYRENEES. <LDG>. ML 2.6 (STR), 2.0 (LDG).
26	13	58	10.0*	15.580	N	93.949	W	100	G	4.2	1.4	13	NEAR COAST OF CHIAPAS, MEXICO. MD 4.4 (UNM).
26	14	20	16.8*	39.518	S	174.025	E	200	G		0.9	13	NORTH ISLAND, NEW ZEALAND
26	14	25	47.1*	5.015	S	147.703	E	33	N		1.1	9	EASTERN NEW GUINEA REG., P.N.G.
26	15	20	48.7	1.296	S	123.744	E	33	N	4.7	1.2	30	SULAWESI, INDONESIA
26	15	39	07.8	1.364	S	123.644	E	33	N	5.4 5.6	1.4	95	SULAWESI, INDONESIA. Mw 6.1 (GS), 5.9 (HRV). Moment Tensor (GS): Dep 23; Principal axes (scale 10**18 Nm): (T) Val=1.34, Plg=9, Azm=197; (N) Val=0.36, Plg=80, Azm=356; (P) Val=-1.70, Plg=4, Azm=106; Best double couple: Mo=1.5*10**18 Nm; NP1: Strike=241, Dip=81, Slip=176; NP2: Strike=332, Dip=86, Slip=9. Centroid, Moment Tensor (HRV): Centroid origin time 15:39:10.5; Lat 1.37 S; Lon 123.87 E; Dep 21.5; Half-

duration 2.3 sec; Principal axes (scale 10**17 Nm): (T) Val=8.99, Plg=6, Azm=197; (N) Val=0.76, Plg=84, Azm=11 (P Val=-9.75, Plg=1, Azm=107; Best double couple: Mo=9.4*10**17 Nm, NP1: Strike=242, Dip=[illegible], Slip=[illegible] Strike=332, Dip=86, Slip=5.

26	15	49	44.1&	38.960	N	22.870	E	5				9	GREECE. <ATH>. ML 3.4 (ATH).
26	16	20	07.6*	51.342	N	168.370	W	33	N		0.5	11	FOX ISLANDS, ALEUTIAN ISLANDS
26	16	32	24.0	30.078	S	71.202	W	70	D	4.4	1.0	45	NEAR COAST OF CENTRAL CHILE. MD 4.9 (GUC). Felt (IV) at Ovalle and (III) at Coquimbo, La Serena, Monte Patria and Punitaqui.
26	16	56	25.8	58.142	N	143.157	W	10	G		0.7	38	GULF OF ALASKA. ML 2.9 (AEIC), 2.6 (PGC).
26	16	59	36.6*	59.517	N	145.202	W	10	G	3.6	1.2	8	GULF OF ALASKA. ML 3.4 (PMR).
26	17	45	55.4&	58.552	N	152.211	W	42				4	KODIAK ISLAND REGION. <AEIC>. ML 2.6 (AEIC).
26	18	31	22.8&	38.818	N	122.802	W	6				9	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
26	18	35	16.2&	33.839	S	71.296	W	51				8	NEAR COAST OF CENTRAL CHILE. <GUC>.
26	19	04	33.3	8.048	S	73.956	W	150	G	4.6	0.6	52	PERU-BRAZIL BORDER REGION
26	19	30	55.8	45.715	N	11.393	E	10	G		1.2	90	NORTHERN ITALY. ML 4.1 (VIE), 4.1 (GRF), 3.8 (STR), 3.8 (FUR), 3.6 (FBB), 3.5 (LDG).
26	19	38	12.1&	46.500	N	2.900	E	17				6	FRANCE. <LDG>. ML 1.9 (LDG).
26	19	46	00.3	45.713	N	11.479	E	10	G		0.8	19	NORTHERN ITALY. ML 3.1 (VIE).
26	22	53	56.2&	38.210	N	20.450	E	5				7	GREECE. <ATH>. MD 3.0 (ATH).
26	22	59	47.1%	9.870	N	57.621	E	10	G		1.0	8	CARLSBERG RIDGE
26	23	00	46.2&	35.239	S	71.322	W	87				11	CENTRAL CHILE. <GUC>. MD 3.6 (GUC).
26	23	11	02.5*	34.753	N	54.352	E	33	N	4.5	1.1	20	NORTHERN IRAN
27	00	34	45.2	27.697	S	70.401	W	66	D	4.2	0.9	33	NEAR COAST OF NORTHERN CHILE
27	00	38	26.7	21.632	S	176.376	W	144	D	6.1	0.9	432	FIJI ISLANDS REGION. Mw 6.8 (GS), 6.8 (HRV). Me 6.7 (GS). mb 6.2 (BRK).

Broadband Source Parameters (GS): Dep 150; NP1: Strike=2.. Dip=77, Slip=-115; NP2: Strike=264, Dip=28, Slip=-29; Radiated energy 2.4*10**14 Nm.

Moment Tensor (GS): Dep 147; Principal axes (scale 10**19 Nm): (T) Val=1.72, Plg=36, Azm=112; (N) Val=0.00, Plg=5, Azm=18; (P) Val=-1.72, Plg=53, Azm=281; Best double couple: Mo=1.7*10**19 Nm; NP1: Strike=230, Dip=10, Slip=-58; NP2: Strike=18, Dip=81, Slip=-95.

Centroid, Moment Tensor (HRV): Centroid origin time 00:38:33.9; Lat 21.69 S; Lon 175.86 W; Dep 159.6; Half duration 6.4 sec; Principal axes (scale 10**19 Nm): (T) Val=2.04, Plg=35, Azm=129; (N) Val=-0.01, Plg=20, Azm=23; (P) Val=-2.03, Plg=48, Azm=269; Best double couple: Mo=2.0*10**19 Nm: NP1: Strike=274, Dip=22, Slip=-18: NP2: Strike=21, Dip=83, Slip=-111.

27	01	04	31.8&	39.730	N	23.760	E	5				7	AEGEAN SEA. <ATH>. ML 3.1 (ATH).
27	01	35	54.9?	37.86	N	19.76	E	33	N	4.0	1.3	26	IONIAN SEA. ML 3.6 (ROM), 3.5 (ATH).
27	01	37	18.1*	37.851	N	19.658	E	33	N	4.0	1.1	19	IONIAN SEA. MD 3.6 (ATH).
27	02	29	18.7&	16.699	N	99.799	W	1				12	NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 3.8 (UNM).
27	03	04	29.5*	21.643	N	146.807	E	33	N	3.8	0.8	11	MARIANA ISLANDS REGION
27	04	10	40.7	27.808	N	53.587	E	33	N	4.8	0.7	81	SOUTHERN IRAN
27	05	18	46.4*	17.438	N	100.848	W	70	*	4.4	1.1	46	GUERRERO, MEXICO. MD 4.4 (UNM).
27	05	25	45.2%	38.354	N	73.461	E	33	N		0.3	5	TAJIKISTAN-XINJIANG BORDER REG.
27	05	29	02.8*	21.671	S	176.512	W	250	G	4.6	1.0	25	FIJI ISLANDS REGION
27	06	06	40.1	7.134	S	126.599	E	398	*	4.5	0.7	29	BANDA SEA
27	06	30	03.6*	42.767	N	12.897	E	10	G		1.2	17	CENTRAL ITALY. ML 2.9 (LDG).
27	06	42	13.4	10.216	S	109.818	E	33	N	4.8 4.4	0.7	38	SOUTH OF JAWA, INDONESIA
27	08	20	29.4*	16.645	N	99.871	W	33	N	4.2	1.1	29	NEAR COAST OF GUERRERO, MEXICO. MD 4.3 (UNM).
27	08	44	12.9&	32.959	S	70.432	W	101				10	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.3 (GUC).
27	09	00	43.1?	7.12	N	82.38	W	33	N	4.2	1.4	14	SOUTH OF PANAMA
27	10	14	25.2*	40.544	N	23.092	E	33	N		1.3	5	GREECE. MD 3.0 (ATH).
27	13	43	44.6&	32.335	S	71.398	W	47				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.2 (GUC)
27	15	31	04.9&	33.060	S	71.288	W	63				9	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 1.9 (GUC).
27	15	32	06.9	3.033	N	128.734	E	250	G	4.4	0.9	27	NORTH OF HALMAHERA, INDONESIA
27	15	32	45.0*	14.322	N	91.755	W	100	G	4.1	1.1	21	GUATEMALA
27	17	33	16.0&	39.245	N	27.795	E	10	G			8	TURKEY. <ISK>. MD 3.4 (ATH), 3.0 (ISK).
27	17	41	22.4&	32.622	S	71.607	W	30				14	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
27	17	54	11.1	6.708	S	129.214	E	252		4.8	1.0	69	BANDA SEA
27	18	10	24.4*	7.471	N	126.865	E	33	N	4.3	0.8	11	MINDANAO, PHILIPPINE ISLANDS
27	19	39	19.8&	18.560	N	66.260	W	92				9	PUERTO RICO REGION. <MPR>. MD 2.9 (MPR).
27	21	40	46.9&	18.793	N	155.230	W	11				14	HAWAII. <HVO-P>. MD 4.7 (HVO).
27	21	41	38.0	50.118	N	156.639	E	100	G	4.3	1.2	23	KURIL ISLANDS
27	21	46	59.8&	32.520	S	70.214	W	111				11	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
27	21	52	23.1*	71.984	N	75.380	W	10	G	3.3	1.4	5	BAFFIN ISLAND REGION, CANADA
27	22	38	53.0?	6.14	N	126.39	E	33	N	4.2	1.4	11	MINDANAO, PHILIPPINE ISLANDS
27	22	55	17.3&	37.540	N	20.830	E	5				12	IONIAN SEA. <ATH>. ML 3.7 (ATH).
27	23	12	39.7*	40.806	S	173.496	E	150	G		0.4	8	COOK STRAIT, NEW ZEALAND
27	23	22	40.1*	25.608	N	109.493	W	10	G	3.8	1.0	14	GULF OF CALIFORNIA
27	23	45	43.8	43.384	N	142.898	E	146	*	4.2	0.8	44	HOKKAIDO, JAPAN REGION
28	01	28	30.8&	62.406	N	151.004	W	80				70	CENTRAL ALASKA. <AEIC>.
28	01	31	31.5?	24.74	N	125.69	E	33	N		1.1	5	SOUTHWESTERN RYUKYU ISLANDS
28	01	39	28.5	3.509	S	134.040	E	33	N	4.8 4.2	1.2	32	IRIAN JAYA REGION, INDONESIA
28	02	01	20.1*	1.815	S	124.715	E	33	N	4.2	1.1	11	SOUTHERN MOLUCCA SEA
28	02	51	42.2&	37.206	S	72.034	W	137				11	CENTRAL CHILE. <GUC>. MD 4.0 (GUC).
28	04	24	15.8?	38.18	N	8.89	W	10	G		0.6	11	PORTUGAL. mbLg 2.9 (MDD).
28	05	03	31.5&	39.260	N	20.850	E	5				6	GREECE-ALBANIA BORDER REGION. <ATH>. MD 3.0 (ATH)
28	05	28	20.8	27.049	N	127.328	E	103	D	5.3	0.9	149	RYUKYU ISLANDS. Mw 5.1 (HRV). Felt (II JMA) on Kume-shima and in northern Okinawa; (I JMA) on Okinoerabu-shima and in southern Okinawa.

Centroid, Moment Tensor (HRV): Centroid origin time 05:28:25.4; Lat 26.91 N; Lon 127.27 E; Dep 109.9; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=5.17, Plg=26, Azm=97; (N) Val=0.94, Plg=18, Azm=197; (P) Val=-6.10, Plg=58, Azm=318; Best double couple: Mo=5.6*10**16 Nm; NP1: Strike=152, Dip=25, Slip=-137; NP2: Strike=22, Dip=73, Slip=-71.

28 07 23 31.6 20.780 N 74.673 W 10 G 5.6 5.3 0.9 284 CUBA REGION. Mw 5.6 (HRV). Felt at Guantanamo.
Centroid, Moment Tensor (HRV): Centroid origin time 07:23:35.9; Lat 21.08 N; Lon 74.64 W; Dep 15.0 Bdy; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.81, Plg=66, Azm=200; (N) Val=0.06, Plg=4, Azm=295; (P) Val=-2.87, Plg=23, Azm=30; Best double couple: Mo=2.8*10**17 Nm; NP1: Strike=128, Dip=22, Slip=100; NP2: Strike=297, Dip=68, Slip=86.

28 07 25 17.6& 44.228 N 7.454 E 5 4 NORTHERN ITALY. <GEN>. ML 1.8 (GEN).
28 07 25 31.3& 33.623 S 70.811 W 78 13 CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.5 (GUC).
28 08 05 33.9& 38.850 N 21.050 E 15 4 GREECE. <ATH>. MD 2.8 (ATH).
28 08 51 33.1? 11.38 N 86.53 W 33 N 4.2 1.5 15 NEAR COAST OF NICARAGUA
28 08 59 48.4& 16.090 N 99.416 W 17 19 NEAR COAST OF GUERRERO, MEXICO. <UNM>. MD 4.2 (UNM).
28 10 01 41.0& 36.650 N 21.160 E 5 21 SOUTHERN GREECE. <ATH>. ML 3.8 (ATH).
28 10 20 08.4? 43.15 N 126.84 W 10 G 3.1 0.3 11 OFF COAST OF OREGON
28 11 01 24.2* 7.284 N 72.585 W 104 ? 4.1 1.2 20 NORTHERN COLOMBIA
28 11 22 04.1& 32.417 S 71.553 W 34 8 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
28 11 45 08.1& 34.036 S 69.840 W 8 12 CHILE-ARGENTINA BORDER REGION. <GUC>.
28 13 25 51.8 23.789 S 66.607 W 188 * 4.3 1.0 38 JUJUY PROVINCE, ARGENTINA
28 15 03 31.9& 39.660 N 23.000 E 31 11 AEGEAN SEA. <ATH>. ML 3.5 (ATH).
28 16 04 42.1* 33.843 N 141.396 E 33 N 0.7 8 OFF EAST COAST OF HONSHU, JAPAN
28 16 48 27.1? 9.51 S 78.76 W 63 D 0.8 11 NEAR COAST OF NORTHERN PERU
28 16 54 34.5& 40.110 N 21.790 E 25 5 GREECE. <ATH>. MD 2.9 (ATH).
28 17 48 18.4* 42.956 N 146.007 E 33 N 4.6 0.8 10 OFF COAST OF HOKKAIDO, JAPAN
28 19 23 54.6* 4.484 N 64.985 E 10 G 4.7 0.9 22 CARLSBERG RIDGE
28 19 34 41.6& 32.410 S 71.416 W 41 12 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.2 (GUC).
28 20 29 30.2& 38.513 N 122.253 W 3 6 NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
28 20 47 11.4& 41.848 N 19.571 E 18 10 ALBANIA. <PDG>. MD 2.1 (PDG).
28 20 54 11.8* 55.563 S 2.135 W 10 G 4.5 0.8 13 SOUTHERN MID-ATLANTIC RIDGE
28 21 50 16.2? 45.63 N 26.53 E 150 G 0.8 6 ROMANIA
28 21 51 05.3? 8.86 S 110.45 E 74 ? 0.9 13 JAWA, INDONESIA
28 22 37 36.6 25.662 N 109.902 W 10 G 4.4 0.9 27 GULF OF CALIFORNIA
28 22 41 39.0& 33.684 S 70.265 W 106 11 CHILE-ARGENTINA BORDER REGION. <GUC>. MD 2.7 (GUC).
28 23 03 18.1* 25.694 N 66.457 E 33 N 4.4 0.9 33 PAKISTAN
29 00 01 00.0& 44.366 N 6.858 E 6 7 FRANCE. <GEN>. ML 1.9 (GEN).
29 00 14 15.7& 31.431 S 71.796 W 15 10 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.1 (GUC).
29 00 20 06.5 37.825 N 115.973 W 5 G 0.6 15 SOUTHERN NEVADA. ML 4.1 (GS).
29 00 45 34.2* 44.983 N 148.064 E 100 G 0.8 11 KURIL ISLANDS
29 00 51 29.6& 31.948 S 70.618 W 46 7 CHILE-ARGENTINA BORDER REGION. <GUC>.
29 01 22 15.1 3.074 S 142.006 E 33 N 4.7 1.1 8 NEAR N COAST OF NEW GUINEA, PNG.
29 01 43 40.9 40.417 S 173.659 E 150 G 0.5 14 COOK STRAIT, NEW ZEALAND
29 01 46 34.4& 32.175 N 115.028 W 6 G 20 CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.2 (PAS). MD 3.6 (ECX).
29 01 57 12.2* 45.989 N 16.152 E 10 G 0.5 8 NORTHWESTERN BALKAN REGION. ML 2.4 (ZAG), 2.3 (VIE).
29 02 34 04.0& 45.370 N 14.830 E 5 9 NORTHWESTERN BALKAN REGION. <ZAG>. ML 2.2 (VIE), 1.7 (LJU).
29 03 07 56.8* 23.596 S 179.711 E 600 G 4.1 0.6 11 SOUTH OF FIJI ISLANDS
29 03 42 55.6 46.025 N 14.805 E 10 G 0.9 9 NORTHWESTERN BALKAN REGION. ML 2.1 (VIE), 1.5 (LJU).
29 03 52 47.4& 33.247 S 70.413 W 74 11 CHILE-ARGENTINA BORDER REGION. <GUC>.
29 03 56 31.6* 39.592 N 22.238 E 33 N 1.3 5 GREECE. MD 2.9 (ATH).
29 04 01 42.3& 39.370 N 20.660 E 2 9 GREECE-ALBANIA BORDER REGION. <ATH>. MD 3.0 (ATH).
29 04 03 30.6& 54.286 N 169.354 W 0 6 FOX ISLANDS, ALEUTIAN ISLANDS. <AEIC>. ML 2.9 (AEIC).
29 04 15 23.7* 48.135 N 155.527 E 33 N 4.2 0.6 14 KURIL ISLANDS
29 04 43 09.1? 0.22 N 125.57 E 70 * 4.7 1.0 13 NORTHERN MOLUCCA SEA
29 04 50 32.3* 5.573 N 127.177 E 100 G 4.3 1.1 23 PHILIPPINE ISLANDS REGION
29 05 15 26.3& 39.667 N 28.491 E 6 8 TURKEY. <ISK>. MD 3.1 (ISK).
29 05 37 05.2& 32.617 S 71.642 W 28 12 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.0 (GUC).
29 05 44 52.4& 36.460 N 27.420 E 22 5 DODECANESE ISLANDS. <ATH>. MD 3.4 (ATH).
29 05 56 32.5* 45.552 N 26.531 E 118 0.9 11 ROMANIA
29 08 15 10.6& 32.778 S 71.225 W 58 9 NEAR COAST OF CENTRAL CHILE. <GUC>. MD 2.7 (GUC).
29 09 02 41.5 0.984 N 126.894 E 100 G 4.4 0.8 23 NORTHERN MOLUCCA SEA. Felt (III) on Ternate, Indonesia.
29 09 58 27.8 15.370 S 167.379 E 83 D 4.5 0.9 60 VANUATU ISLANDS
29 10 01 21.8& 37.096 N 122.037 W 10 12 CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK).
29 10 22 20.2& 44.300 N 7.500 E 2 10 NORTHERN ITALY. <LDG>. ML 1.9 (LDG), 1.4 (STR).
29 10 34 50.3& 44.300 N 7.600 E 2 10 NORTHERN ITALY. <LDG>. ML 2.2 (LDG), 1.5 (STR).
29 10 38 20.8& 36.240 N 3.960 W 0 G 10 STRAIT OF GIBRALTAR. <MDD>. mbLg 2.3 (MDD).
29 10 39 37.1& 45.600 N 0.300 E 2 4 FRANCE. <LDG>. ML 2.3 (LDG).
29 10 53 30.5& 31.767 S 70.165 W 120 11 CHILE-ARGENTINA BORDER REGION. <GUC>.
29 11 04 15.8* 17.105 S 177.075 W 33 N 4.7 5.1 1.1 50 FIJI ISLANDS REGION. Mw 5.6 (HRV).
Centroid, Moment Tensor (HRV): Centroid origin time 11:04:31.5; Lat 16.71 S; Lon 177.14 W; Dep 23.1; Half-duration 1.5 sec; Principal axes (scale 10**17 Nm): (T) Val=2.86, Plg=0, Azm=275; (N) Val=-0.25, Plg=74, Azm=6; (P) Val=-2.61, Plg=16, Azm=185; Best double couple: Mo=2.7*10**17 Nm; NP1: Strike=322, Dip=79, Slip=-169; NP2: Strike=229, Dip=79, Slip=-12.

29 11 11 02.8* 13.027 S 167.053 E 200 G 4.4 0.6 15 VANUATU ISLANDS
29 11 30 15.6* 19.991 S 177.779 W 600 G 4.2 1.0 17 FIJI ISLANDS REGION
29 11 42 54.8 43.995 N 5.977 E 10 G 1.0 11 NEAR SOUTH COAST OF FRANCE. ML 2.3 (STR), 1.7 (LDG).
29 11 44 24.1* 15.201 N 120.476 E 100 G 4.2 1.2 14 LUZON, PHILIPPINE ISLANDS
29 12 04 13.1& 47.100 N 5.500 E 13 7 FRANCE. <LDG>. ML 2.3 (LDG).
29 12 12 35.2 50.319 N 8.024 E 10 G 0.8 12 GERMANY. ML 2.9 (LDG), 2.5 (STR), 2.5 (UCC).
29 12 24 17.8 43.244 N 0.938 W 10 G 1.0 43 PYRENEES. ML 3.4 (LDG), 3.2 (STR). mbLg 3.1 (MDD). Felt (IV) in the western Pyrenees.

29 12 24 51.5* 17.966 S 178.568 W 600 G 4.0 0.9 18 FIJI ISLANDS REGION
29 12 38 12.3& 37.092 N 122.042 W 10 21 CENTRAL CALIFORNIA. <GM-P>. Mw 3.9 (BRK). MD 3.8 (GM). ML 4.0 (BRK). Felt at Scotts Valley and in the Santa Cruz area.
Moment Tensor (BRK): Dep 11; Principal axes (scale 10**14 Nm): (T) Val=6.93, Plg=67, Azm=89; (N) Val=0.00, Plg=14, Azm=322; (P) Val=-6.93, Plg=18, Azm=227; Best double couple: Mo=6.9*10**14 Nm; NP1: Strike=149, Dip=64, Slip=106; NP2: Strike=296, Dip=30, Slip=61.

29 12 40 25.8& 42.292 N 18.691 E 15 6 NORTHWESTERN BALKAN REGION. <PDG>. ML 1.0 (PDG).
29 12 41 39.2& 37.097 N 122.033 W 10 11 CENTRAL CALIFORNIA. <GM-P>. Mw 3.8 (BRK). MD 3.5 (GM). ML

3.9 (BRK). Felt at Scotts Valley.
Moment Tensor (BRK): Dep 8; Principal axes (scale 10**14 Nm): (T) Val=5.18, Plg=71, Azm=119; (N) Val=0.00, Plg=19, Azm=303; (P) Val=-5.18, Plg=1, Azm=213; Best double couple: Mo=5.2*10**14 Nm; NP1: Strike=140, Dip=49, Slip=115; NP2: Strike=285, Dip=47, Slip=64.

29	13	36	31.4&	31.973	N	115.509	W	6	G			20	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.1 (PAS). MD 3.0 (ECX).
29	13	42	40.8&	36.073	N	117.834	W	2				31	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS)
29	13	45	22.5	38.312	S	176.177	E	170		4.4	1.3	40	NORTH ISLAND, NEW ZEALAND. Felt at Wellington.
29	13	47	51.2	13.689	S	168.309	E	33	N	4.8	0.7	36	VANUATU ISLANDS
29	14	46	02.7*	52.258	S	140.083	E	10	G	4.1	0.9	19	WEST OF MACQUARIE ISLAND
29	17	34	46.2*	11.445	N	88.458	W	33	N	4.5	1.1	29	OFF COAST OF CENTRAL AMERICA
29	17	40	20.8	43.194	N	41.492	E	10	G	4.2	1.0	25	NORTHWESTERN CAUCASUS
29	18	33	42.4*	8.884	N	122.537	E	33	N	4.8	1.2	29	MINDANAO, PHILIPPINE ISLANDS
29	18	54	00.8&	44.702	N	6.826	E	5				4	FRANCE. <GEN>. ML 1.6 (GEN).
29	19	00	56.2?	37.86	S	176.87	E	200	G		0.6	16	NORTH ISLAND, NEW ZEALAND
29	19	05	22.9&	38.740	N	0.630	W	16				8	SPAIN. <MDD>. mbLg 1.9 (MDD).
29	19	42	51.4*	7.085	S	155.446	E	33	N	4.5	0.7	14	SOLOMON ISLANDS
29	20	02	18.1	54.101	N	35.223	W	10	G	4.8 4.5	0.8	62	NORTH ATLANTIC OCEAN
29	21	34	28.2	1.456	N	118.816	E	33	N	4.9 4.5	0.9	34	BORNEO. Mw 5.3 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 21:34:33.9; Lat 1.59 N; Lon 119.48 E; Dep 57.3; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.83, Plg=2, Azm=129; (N) Val=0.24, Plg=66, Azm=224; (P) Val=-1.07, Plg=24, Azm=38; Best double couple: Mo=9.4*10**16 Nm; NP1: Strike=176, Dip=72, Slip=-164; NP2: Strike=81, Dip=75, Slip=-19.

29	23	15	23.7&	10.940	N	62.165	W	25				4	NEAR COAST OF VENEZUELA. <TRN>. MD 3.2 (TRN).
30	00	08	16.5	46.036	N	14.366	E	10	G		0.5	6	NORTHWESTERN BALKAN REGION. ML 1.4 (LJU).
30	00	38	25.5&	36.640	N	7.520	W	15				20	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.7 (MDD).
30	01	22	23.6*	22.072	S	179.701	W	600	G	4.4	1.0	18	SOUTH OF FIJI ISLANDS
30	01	27	51.8&	36.900	N	3.880	W	61				21	STRAIT OF GIBRALTAR. <MDD>.
30	01	47	30.0	6.726	S	130.348	E	100	G	4.4	0.9	23	BANDA SEA
30	02	09	30.6*	54.259	S	159.325	E	10	G	4.4	1.1	24	MACQUARIE ISLANDS REGION
30	02	26	44.6&	32.333	S	71.378	W	40				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 4.3 (GUC).
30	03	32	37.3	1.646	S	77.881	W	169	D	5.0	0.7	147	ECUADOR. Mw 5.4 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 03:32:44.7; Lat 1.05 S; Lon 76.96 W; Dep 153.8; Half-duration 1.1 sec; Principal axes (scale 10**17 Nm): (T) Val=1.07, Plg=34, Azm=52; (N) Val=0.27, Plg=1, Azm=321; (P) Val=-1.34, Plg=56, Azm=230; Best double couple: Mo=1.2*10**17 Nm; NP1: Strike=147, Dip=11, Slip=-84; NP2: Strike=321, Dip=79, Slip=-91.

30	03	38	05.9&	38.370	N	22.020	E	5				10	GREECE. <ATH>. ML 3.3 (ATH).
30	04	04	19.4	0.796	N	125.986	E	33	N	5.0 4.4	1.0	58	NORTHERN MOLUCCA SEA. Mw 5.2 (HRV). Felt (II) at Bitung and on Ternate, Indonesia.

Centroid, Moment Tensor (HRV): Centroid origin time 04:04:26.8; Lat 1.24 N; Lon 125.77 E; Dep 51.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=8.56, Plg=7, Azm=357; (N) Val=-0.93, Plg=20, Azm=264; (P) Val=-7.63, Plg=69, Azm=104; Best double couple: Mo=8.1*10**16 Nm; NP1: Strike=108, Dip=42, Slip=-60; NP2: Strike=250, Dip=55, Slip=-115.

30	04	10	13.4&	42.542	N	18.964	E	9				8	NORTHWESTERN BALKAN REGION. <PDG>. ML 1.5 (PDG).
30	04	44	13.8	1.808	N	128.659	E	33	N	4.7	1.3	34	HALMAHERA, INDONESIA
30	04	48	01.2&	19.070	N	64.440	W	65				6	VIRGIN ISLANDS. <MPR>. MD 3.6 (MPR).
30	04	51	47.1*	54.173	N	35.033	W	10	G	3.4	0.9	12	NORTH ATLANTIC OCEAN
30	05	18	55.1&	33.188	S	71.070	W	67				13	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.3 (GUC).
30	05	36	24.0&	45.900	N	6.100	E	13				12	FRANCE. <LDG>. ML 2.2 (LDG).
30	06	26	09.0?	16.48	N	145.30	E	400	G	3.5	0.6	7	MARIANA ISLANDS
30	06	35	11.9&	32.658	S	71.669	W	36				10	NEAR COAST OF CENTRAL CHILE. <GUC>. MD 3.4 (GUC).
30	06	59	05.8*	46.150	N	151.471	E	33	N	4.0	1.1	12	KURIL ISLANDS
30	07	21	38.6*	19.297	S	174.543	W	33	N	4.6	0.5	15	TONGA ISLANDS
30	07	25	10.4*	19.264	S	174.527	W	33	N	4.9	0.6	14	TONGA ISLANDS
30	07	29	49.7&	34.594	S	70.655	W	107				12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.0 (GUC).
30	08	39	35.8*	23.727	S	66.544	W	234	?	3.9	0.8	19	JUJUY PROVINCE, ARGENTINA
30	08	48	43.8&	38.130	N	24.980	E	5				5	AEGEAN SEA. <ATH>. ML 3.3 (ATH).
30	09	51	07.9	48.817	N	10.041	E	10	G		0.8	9	GERMANY. ML 2.8 (LDG), 2.4 (VIE).
30	10	06	17.4&	43.470	N	0.540	W	10				10	PYRENEES. <STR>. ML 3.1 (STR), 2.7 (LDG).
30	10	16	48.6&	32.098	S	70.572	W	97				13	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.5 (GUC).
30	12	17	50.4*	14.485	N	92.430	W	67	D	3.7	1.2	16	NEAR COAST OF CHIAPAS, MEXICO. MD 4.3 (UNM).
30	12	22	35.9&	35.999	N	117.966	W	3				10	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
30	12	29	56.1*	56.460	S	27.179	W	100	G		0.8	17	SOUTH SANDWICH ISLANDS REGION
30	12	38	52.1&	43.336	N	19.178	E	12				8	NORTHWESTERN BALKAN REGION. <PDG>. ML 2.4 (PDG).
30	14	54	59.1*	33.632	N	131.885	E	100	G	4.2	1.0	12	KYUSHU, JAPAN
30	15	17	46.0&	35.640	N	117.485	W	10				5	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
30	15	32	14.5	14.057	N	91.889	W	42		5.1 4.6	0.8	138	GUATEMALA. Mw 5.3 (HRV). MD 5.0 (UNM).

Centroid, Moment Tensor (HRV): Centroid origin time 15:32:19.7; Lat 14.18 N; Lon 92.24 W; Dep 46.6; Half-duration 1.0 sec; Principal axes (scale 10**17 Nm): (T) Val=0.81, Plg=66, Azm=67; (N) Val=0.26, Plg=17, Azm=295; (P) Val=-1.08, Plg=17, Azm=199; Best double couple: Mo=9.4*10**16 Nm; NP1: Strike=266, Dip=32, Slip=57; NP2: Strike=123, Dip=64, Slip=109.

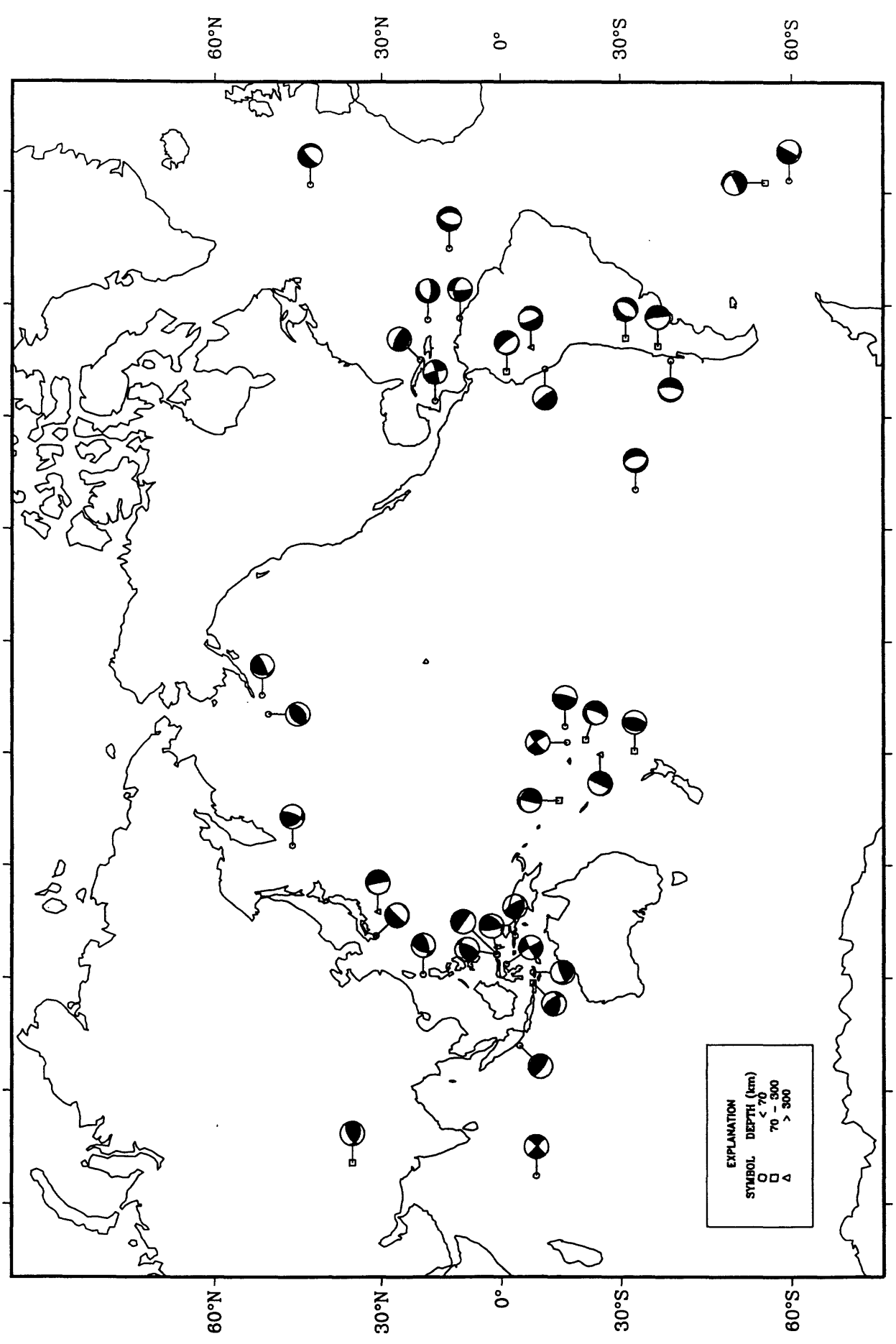
30	15	45	43.4&	60.945	N	147.803	W	7				5	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
30	15	59	39.6	32.031	S	88.273	E	10	G	5.2 4.6	0.9	73	BROKEN RIDGE. Mw 5.3 (HRV).

Centroid, Moment Tensor (HRV): Centroid origin time 15:59:44.5; Lat 31.78 S; Lon 88.12 E; Dep 15.0 Fix; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=9.75, Plg=69, Azm=207; (N) Val=-0.30, Plg=13, Azm=82; (P) Val=-9.45, Plg=17, Azm=348; Best double couple: Mo=9.6*10**16 Nm; NP1: Strike=60, Dip=30, Slip=64; NP2: Strike=269, Dip=63, Slip=104.

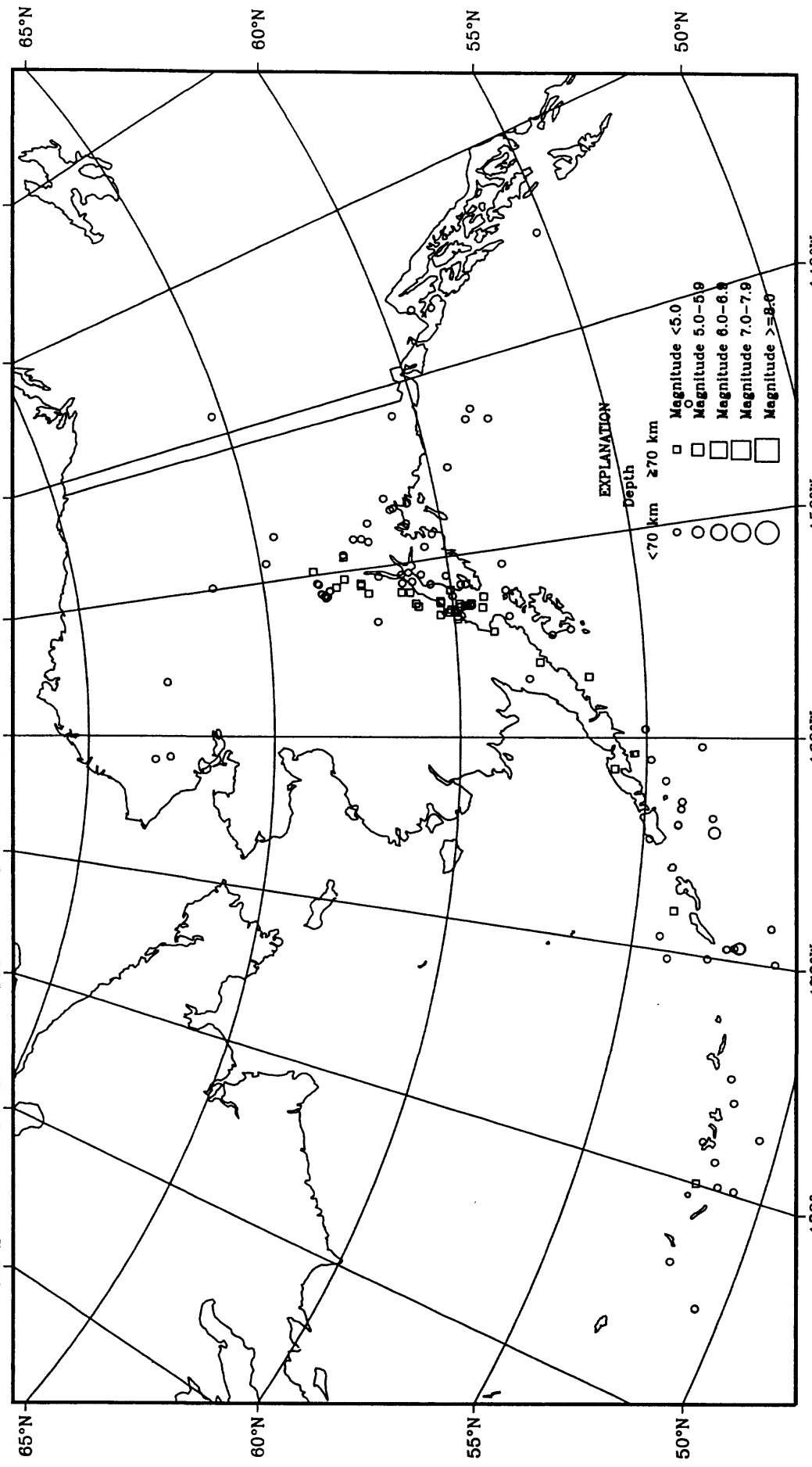
30	16	10	46.4	45.886	N	15.109	E	10	G			0.8	9	NORTHWESTERN BALKAN REGION. ML 2.3 (VIE)
30	16	57	09.8&	34.049	S	70.849	W	79					7	CHILE-ARGENTINA BORDER REGION. <GUC>.
30	17	50	40.4&	38.770	N	21.190	E	5					6	GREECE. <ATH>. MD 3.0 (ATH).
30	18	21	24.0&	43.090	N	1.020	W	2					21	PYRENEES. <STR>. ML 3.6 (STR).
30	18	34	49.2&	43.100	N	0.900	W	2					4	PYRENEES. <LDG>. ML 2.3 (STR), 2.0 (LDG).
30	18	45	38.8&	64.831	N	148.802	W	0		3.0			17	CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC). Felt at Fairbanks
30	18	48	35.1&	33.763	N	116.117	W	8					22	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
30	19	44	34.5&	39.480	N	20.420	E	5					6	GREECE-ALBANIA BORDER REGION. <ATH>. MD 2.9 (ATH).
30	20	47	25.0&	33.216	S	70.334	W	0					9	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.1 (GUC).
30	21	58	59.5*	58.088	N	156.947	W	33	N	3.0		1.1	7	ALASKA PENINSULA. ML 3.5 (PMR).
30	22	35	18.5&	36.020	N	4.610	W	16					18	STRAIT OF GIBRALTAR. <MDD>. mbLg 2.7 (MDD).
30	23	34	12.0&	46.200	N	3.300	E	11					9	FRANCE. <LDG>. ML 1.6 (LDG), 1.6 (STR).
31	00	12	44.1	44.227	N	20.053	E	10	G	3.9		0.9	89	NORTHWESTERN BALKAN REGION. ML 4.0 (PDG), 3.9 (VIE), 3.7 (ROM). Felt at Belgrade, Serbia.
31	00	51	28.7&	37.850	N	2.230	W	12					6	SPAIN. <MDD>. mbLg 2.1 (MDD).
31	02	53	01.8&	61.361	N	151.679	W	82					22	SOUTHERN ALASKA. <AEIC>.
31	03	55	13.9*	2.531	S	122.661	E	33	N	4.0		0.7	6	SULAWESI, INDONESIA
31	04	12	42.8&	36.690	N	21.820	E	5					8	SOUTHERN GREECE. <ATH>. ML 3.5 (ATH).
31	05	08	03.9*	6.976	S	155.475	E	33	N	4.1		1.0	10	SOLOMON ISLANDS
31	05	10	43.6&	59.785	N	152.855	W	89					16	SOUTHERN ALASKA. <AEIC>.
31	05	21	27.9	36.319	N	21.854	E	5	G			1.3	25	SOUTHERN GREECE. ML 3.8 (ATH).
31	05	39	58.8&	31.530	S	70.020	W	126					12	CHILE-ARGENTINA BORDER REGION. <GUC>. MD 3.4 (GUC).
31	05	52	16.2&	59.906	N	153.522	W	128		4.1			82	SOUTHERN ALASKA. <AEIC>.
31	06	07	23.7*	36.043	N	68.790	E	33	N	4.2		1.4	6	HINDU KUSH REGION, AFGHANISTAN
31	06	44	05.7&	18.984	N	98.653	W	2					15	CENTRAL MEXICO. <UNM>. MD 3.8 (UNM).
31	07	46	28.4&	40.230	N	21.690	E	5					7	GREECE. <ATH>. MD 3.1 (ATH).
31	08	20	23.0	22.902	S	70.498	W	33	N	4.6		0.8	23	NEAR COAST OF NORTHERN CHILE
31	09	15	32.4&	37.094	N	122.040	W	10					8	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). Felt at Santa Cruz and Scotts Valley.
31	09	18	26.0*	51.368	N	157.314	E	33	N	4.4		0.7	7	NEAR EAST COAST OF KAMCHATKA
31	09	34	53.6*	27.669	N	142.908	E	25	D	4.1		1.1	12	BONIN ISLANDS REGION
31	10	29	49.3*	13.552	S	166.904	E	64	?	4.7		1.2	25	VANUATU ISLANDS
31	10	56	12.1*	18.879	S	70.338	W	33	N	4.1		1.0	20	NEAR COAST OF NORTHERN CHILE
31	11	21	29.8	51.656	N	16.128	E	5	G			0.4	11	POLAND. ML 3.3 (VIE), 2.6 (CLL).
31	11	27	59.8&	40.384	N	122.087	W	16					6	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
31	11	43	50.3&	47.100	N	0.100	E	3					17	FRANCE. <LDG>. ML 2.8 (LDG).
31	13	07	50.4*	18.385	N	146.022	E	148	D	4.6		1.1	22	MARIANA ISLANDS
31	13	29	06.4*	53.507	N	160.409	W	33	N	3.7		0.7	13	SOUTH OF ALASKA
31	14	23	37.5&	44.547	N	7.431	E	19					13	NORTHERN ITALY. <GEN>. ML 2.2 (GEN), 1.9 (LDG).
31	16	03	52.1?	3.69	S	131.26	E	33	N	4.5		1.3	10	IRIAN JAYA REGION, INDONESIA
31	17	41	03.1&	43.200	N	0.900	W	2					4	PYRENEES. <LDG>. ML 2.2 (STR), 1.7 (LDG).
31	17	44	03.8&	38.750	N	26.800	E	5		3.7			10	AEGEAN SEA. <ATH>. ML 3.8 (ATH).
31	18	04	46.0&	47.200	N	0.100	E	2					7	FRANCE. <LDG>. ML 2.5 (LDG).
31	18	25	09.3&	43.000	N	0.200	E	3					12	FRANCE. <LDG>. ML 2.5 (STR), 2.4 (LDG).
31	18	49	25.9&	41.250	N	23.600	E	10					5	GREECE-BULGARIA BORDER REGION. <ATH>. MD 3.0 (ATH).
31	18	52	09.5	53.724	N	161.483	E	33	N	4.6		1.1	60	OFF EAST COAST OF KAMCHATKA
31	19	24	49.7	1.634	N	127.444	E	111	D	4.8		1.1	35	HALMAHERA, INDONESIA
31	20	56	07.6	1.642	S	137.318	E	33	N	4.9	4.5	1.3	34	NEAR NORTH COAST OF IRIAN JAYA. Mw 5.1 (HRV). Centroid, Moment Tensor (HRV): Centroid origin time 20:56:06.1; Lat 1.46 S; Lon 137.36 E; Dep 20.3; Half-duration 1.0 sec; Principal axes (scale 10**16 Nm): (T) Val=4.29, Plg=18, Azm=144; (N) Val=0.45, Plg=70, Azm=348; (P) Val=-4.74, Plg=7, Azm=236; Best double couple: Mo=4.5*10**16 Nm; NP1: Strike=281, Dip=72, Slip=8; NP2: Strike=189, Dip=83, Slip=162.
31	21	41	38.0*	2.042	N	83.313	W	33	N	4.7		1.3	47	OFF COAST OF CENTRAL AMERICA
31	21	55	26.5*	4.678	S	152.892	E	75	*	4.5		1.1	12	NEW BRITAIN REGION, P.N.G.
31	22	15	17.7&	39.380	N	20.720	E	4					7	GREECE-ALBANIA BORDER REGION. <ATH>. MD 3.1 (ATH).
31	22	51	02.1*	17.675	S	71.694	W	34	D	4.5		1.1	16	NEAR COAST OF PERU
31	23	01	39.8&	48.700	N	3.600	W	10					7	FRANCE. <LDG>. ML 2.4 (LDG).
31	23	25	21.4&	31.633	S	69.838	W	138					13	SAN JUAN PROVINCE, ARGENTINA. <GUC>. MD 3.6 (GUC).
31	23	41	25.7&	63.417	N	151.369	W	11					14	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).

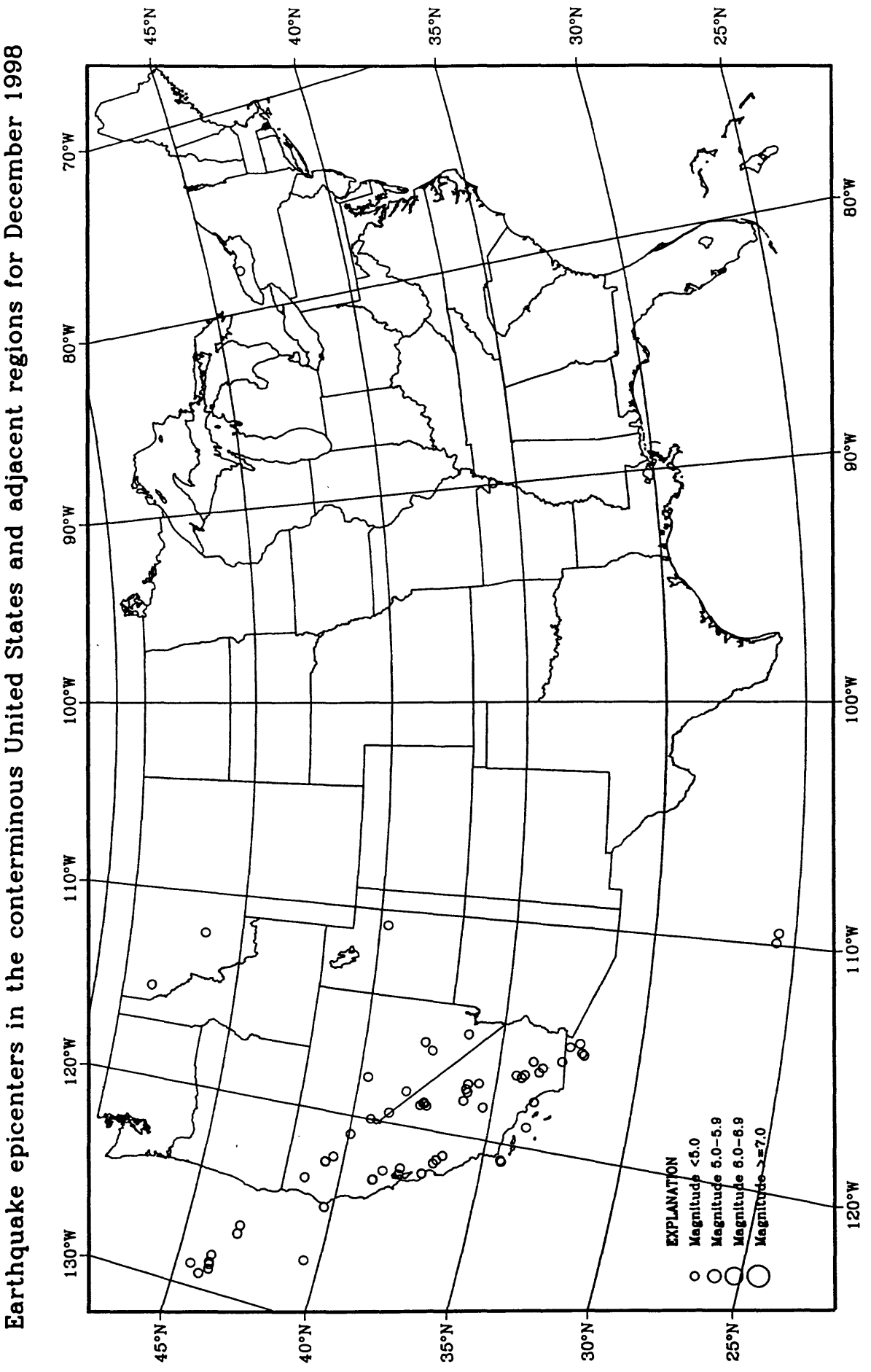
Compiled by Pamela J. Benfield, Don L. Blakeman, Charles G. Bufe, George L. Choy, Stuart K. Koyanagi, Alena L. Leeds, John H. Minsch, Waverly J. Person, Stuart A. Sipkin, William K. Smith, Trina F. Vithayathil and Madeleine D. Zirbes.

Earthquake Focal Mechanisms for December 1998



Earthquake epicenters in Alaska and adjacent regions for December 1998




Earthquake epicenters in the conterminous United States and adjacent regions for December 1998
45°N
40°N
35°N
30°N
25°N
130°W
120°W
110°W
100°W
90°W
80°W
70°W
EXPLANATION
Magnitude <5.0
Magnitude 5.0–5.9
Magnitude 6.0–6.9
Magnitude >=7.0

Earthquakes located worldwide in December 1998